

BAB V

PENUTUP

Bab ini membahas mengenai kesimpulan dan saran dari hasil dan pembahasan dari analisis pengolahan data pada bab sebelumnya.

5.1. Kesimpulan

Berdasarkan hasil analisis dan pembahasan yang telah diuraikan pada bab sebelumnya, diperoleh beberapa kesimpulan dari penelitian ini adalah

1. Berdasarkan uji beda, ditemukan bahwa *varians return* yang dihasilkan oleh *hedging kakao futures* dengan *cross hedging kopi robusta futures* menghasilkan nilai *varians return* yang sama sehingga dinyatakan bahwa hipotesis H_1 tidak terdukung. Dalam hal ini, karena keduanya menghasilkan nilai *varians return* yang sama, maka dapat disimpulkan bahwa keduanya memiliki tingkat risiko yang sama.
2. Berdasarkan analisis yang telah disimpulkan bahwa *hedging kakao futures* dan *cross hedging kopi robusta futures* sama-sama efektif dalam meminimalkan risiko sistematis dan keduanya dapat digunakan untuk sarana lindung-nilai pada komoditi kakao di pasar fisiknya. Dalam hal ini, hipotesis H_2 dan H_3 terdukung.

5.2. Saran

Berdasarkan pembahasan analisis dan kesimpulan yang diberikan, terdapat beberapa saran yang diberikan peneliti diantaranya sebagai berikut ini:

1. Pedagang, Investor, ataupun spekulator dapat mempertimbangkan ketersediaan sarana *hedging* untuk melindungi posisi di pasar fisik kakao. Jika komoditi kakao yang akan di *hedge* tidak tersedia kontrak *futures*nya di pasar *futures*, maka dapat menggunakan alternatif lain yaitu kontrak *futures* kopi robusta.
2. Sebaiknya dilakukan penelitian lebih lanjut mengenai efektivitas *hedging* pada komoditi-komoditi lain yang diperdagangkan pada Bursa Berjangka Jakarta untuk melakukan *multiple cross hedging* sebagai bahan pertimbangan alternatif lindung-nilai dalam meminimalkan risiko di pasar fisik kakao.

5.3. Implikasi Manajerial

Implikasi manajerial manajemen risiko yang dapat diusulkan dalam penelitian ini adalah perlu adanya analisis yang akurat dan pertimbangan yang tepat sebelum memutuskan untuk melakukan *hedging* atau *cross hedging*. Keputusan *cross hedging* dapat dilakukan ketika nilai *varians return* yang dihasilkan saat melakukan *hedging* lebih besar dari pada saat melakukan *cross hedging*. Nilai *varians return* yang lebih tinggi menunjukkan besarnya nilai ketidakpastian/penyimpangan keuntungan yang akan diperoleh. Akan tetapi perlu diperhatikan bahwa komoditi yang akan di *cross hedge* disarankan menggunakan

substitusi kontrak komoditi dari komoditi tersebut serta memiliki hubungan korelasi yang kuat dan searah. Selain itu, melakukan *hedging* lebih disarankan disaat fluktuasi harga *spot* lebih besar daripada fluktuasi harga *futures*. Melakukan *hedging* dapat melindungi posisi *hedger* dari ketidakpastian harga komoditi di pasar *spot* sehingga keuntungan yang diperoleh seperti dari apa yang diharapkan. Dalam hal ini, *hedger* dapat memanfaatkan keuntungan pada posisi *long* dan *short hedge* di bursa berjangka.

5.4. Catatan Penelitian

Kelemahan dari penelitian ini yaitu penggunaan kopi robusta *futures* sebagai pertimbangan melakukan *cross hedging* bukan merupakan komoditi substitusi dari komoditi kakao meskipun memiliki hubungan korelasi yang kuat dan searah sehingga saran bagi penelitian selanjutnya adalah untuk melakukan *cross hedging* disarankan menggunakan komoditi substitusi dari komoditi yang akan dilakukan *cross hedging* tersebut dengan hubungan korelasi yang kuat dan searah.

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LAMPIRAN

Lampiran 1 Hasil Uji Akar Unit Variabel Return Kakao Futures

Null Hypothesis: RETURN_FUTURES_KAKAO has a unit root
 Exogenous: Constant
 Lag Length: 1 (Automatic - based on SIC, maxlag=27)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-44.85567	0.0001
Test critical values:		
1% level	-3.432609	
5% level	-2.862424	
10% level	-2.567285	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(RETURN_FUTURES_KAKAO)
 Method: Least Squares
 Date: 05/16/17 Time: 01:31
 Sample (adjusted): 3 2670
 Included observations: 2668 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RETURN_FUTURES_KAKAO(-1)	-1.389536	0.030978	-44.85567	0.0000
D(RETURN_FUTURES_KAKAO(-1))	0.079604	0.019307	4.122961	0.0000
C	0.001073	0.000484	2.214863	0.0269
R-squared	0.645800	Mean dependent var		6.38E-08
Adjusted R-squared	0.645534	S.D. dependent var		0.041980
S.E. of regression	0.024993	Akaike info criterion		-4.539279
Sum squared resid	1.664757	Schwarz criterion		-4.532657
Log likelihood	6058.399	Hannan-Quinn criter.		-4.536883
F-statistic	2429.499	Durbin-Watson stat		2.006137
Prob(F-statistic)	0.000000			

Sumber: Output Eviews 8

Lampiran 2

Hasil Uji Akar Unit Variabel Return Kopi Robusta Futures

Null Hypothesis: RETURN_FUTURES_KOPI has a unit root
 Exogenous: Constant
 Lag Length: 2 (Automatic - based on SIC, maxlag=27)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-38.47642	0.0000
Test critical values:		
1% level	-3.432535	
5% level	-2.862391	
10% level	-2.567268	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(RETURN_FUTURES_KOPI)
 Method: Least Squares
 Date: 05/16/17 Time: 01:44
 Sample (adjusted): 4 2754
 Included observations: 2751 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RETURN_FUTURES_KOPI(-1)	-1.616980	0.042025	-38.47642	0.0000
D(RETURN_FUTURES_KOPI(-1))	0.234557	0.032214	7.281160	0.0000
D(RETURN_FUTURES_KOPI(-2))	0.073803	0.019028	3.878547	0.0001
C	0.001327	0.000573	2.315484	0.0207
R-squared	0.672100	Mean dependent var		1.02E-05
Adjusted R-squared	0.671742	S.D. dependent var		0.052386
S.E. of regression	0.030014	Akaike info criterion		-4.172868
Sum squared resid	2.474571	Schwarz criterion		-4.164260
Log likelihood	5743.780	Hannan-Quinn criter.		-4.169758
F-statistic	1876.851	Durbin-Watson stat		2.002854
Prob(F-statistic)	0.000000			

Sumber: Output Eviews 8

Lampiran 3

Hasil Uji Akar Unit Variabel Return Kakao Spot

Null Hypothesis: RETURN_SPOT_KAKAO has a unit root
 Exogenous: Constant
 Lag Length: 2 (Automatic - based on SIC, maxlag=27)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-36.03833	0.0000
Test critical values:		
1% level	-3.432610	
5% level	-2.862424	
10% level	-2.567285	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(RETURN_SPOT_KAKAO)
 Method: Least Squares
 Date: 05/16/17 Time: 01:37
 Sample (adjusted): 4 2670
 Included observations: 2667 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RETURN_SPOT_KAKAO(-1)	-1.485860	0.041230	-36.03833	0.0000
D(RETURN_SPOT_KAKAO(-1))	0.161285	0.031987	5.042130	0.0000
D(RETURN_SPOT_KAKAO(-2))	0.058236	0.019344	3.010574	0.0026
C	0.001872	0.000859	2.179259	0.0294
R-squared	0.651112	Mean dependent var		9.83E-06
Adjusted R-squared	0.650719	S.D. dependent var		0.074945
S.E. of regression	0.044293	Akaike info criterion		-3.394502
Sum squared resid	5.224351	Schwarz criterion		-3.385670
Log likelihood	4530.569	Hannan-Quinn criter.		-3.391306
F-statistic	1656.608	Durbin-Watson stat		2.005883
Prob(F-statistic)	0.000000			

Sumber: Output Eviews 8

Lampiran 4
Uji Korelasi Pearson antara Kakao Spot dan Kakao Futures

Correlations

		Kakao_Futures	Kakao_Spot
Kakao_Futures	Pearson Correlation	1	.988**
	Sig. (2-tailed)		.000
	N	2695	2695
Kakao_Spot	Pearson Correlation	.988**	1
	Sig. (2-tailed)	.000	
	N	2695	2695

** . Correlation is significant at the 0.01 level (2-tailed).

Sumber: Output SPSS 22

Lampiran 5
Uji Korelasi Pearson antara Kakao Spot dan Kopi Robusta Futures

Correlations

		Kopi_Robusta_Futures	Kakao_Spot
Kopi_Robusta_Futures	Pearson Correlation	1	.641**
	Sig. (2-tailed)		.000
	N	2785	2785
Kakao_Spot	Pearson Correlation	.641**	1
	Sig. (2-tailed)	.000	
	N	2785	2785

** . Correlation is significant at the 0.01 level (2-tailed).

Sumber: Output SPSS 22

Lampiran 6
Uji Regresi Sederhana untuk Ratio Hedged
Menggunakan Kakao Futures

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Futures_Kakao ^b	.	Enter

a. Dependent Variable: Spot_Kakao

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.988 ^a	.975	.975	1057.37968

a. Predictors: (Constant), Futures_Kakao

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.188E+11	1	1.188E+11	106238.728	.000 ^b
	Residual	3010913492	2693	1118051.798		
	Total	1.218E+11	2694			

a. Dependent Variable: Spot_Kakao

b. Predictors: (Constant), Futures_Kakao

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1559.678	76.291		20.444	.000
	Futures_Kakao	.767	.002	.988	325.943	.000

a. Dependent Variable: Spot_Kakao

Sumber: Output SPSS 22

Lampiran 7
Uji Regresi Sederhana untuk Ratio Hedged
Menggunakan Kopi Robusta Futures

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Kopi_Futures ^b	.	Enter

a. Dependent Variable: Spot_Kakao

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.641 ^a	.410	.410	5161.70960

a. Predictors: (Constant), Kopi_Futures

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	5.159E+10	1	5.159E+10	1936.309	.000 ^b
	Residual	7.415E+10	2783	26643245.95		
	Total	1.257E+11	2784			

a. Dependent Variable: Spot_Kakao

b. Predictors: (Constant), Kopi_Futures

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-9997.530	819.510		-12.199	.000
	Kopi_Futures	1.693	.038	.641	44.004	.000

a. Dependent Variable: Spot_Kakao

Sumber: Output SPSS 22

Lampiran 8
Uji Independent Sample T-Test
Varians Return Hedging Kakao Futures dan
Cross Hedging Kopi Robusta Futures

Group Statistics

Perbedaan		N	Mean	Std. Deviation	Std. Error Mean
Varian_Return	Varians Return Kakao Futures	25	.0022855013	.0058441313	.0011688263
	Varians Return Kopi Robusta Futures	30	.0047061342	.0078488429	.0014329961

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Varian_Return	Equal variances assumed	2.029	.160	-1.275	53	.208	-.002420633	.0018989704	-.006229485	.0013882194
	Equal variances not assumed			-1.309	52.399	.196	-.002420633	.0018492249	-.006130702	.0012894365

Sumber: Output SPSS 22

Lampiran 9
Harga Harian Kakao Spot dan Kakao Futures 2012 dan 2013

Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
2-Jan-12	Mar'12	2,083	9,080.00	18,913.64	15,814	18-Jun-12	Mar'13	2,260	9,387.50	21,215.75	17,904
3-Jan-12	Mar'12	2,109	9,135.00	19,265.72	16,112	19-Jun-12	Mar'13	2,211	9,405.00	20,794.46	17,356
4-Jan-12	Mar'12	2,115	9,145.00	19,341.68	16,203	20-Jun-12	Mar'13	2,252	9,420.00	21,213.84	17,838
5-Jan-12	Mar'12	2,075	9,125.00	18,934.38	15,806	21-Jun-12	Mar'13	2,193	9,430.00	20,679.99	17,231
6-Jan-12	Mar'12	2,028	9,095.00	18,444.66	15,370	22-Jun-12	Mar'13	2,171	9,437.50	20,488.81	17,023
9-Jan-12	Mar'12	2,028	9,150.00	18,556.20	15,417	25-Jun-12	Mar'13	2,128	9,440.00	20,088.32	16,609
10-Jan-12	Mar'12	2,170	9,155.00	19,866.35	16,726	26-Jun-12	Mar'13	2,128	9,440.00	20,088.32	16,591
11-Jan-12	Mar'12	2,333	9,160.00	21,370.28	18,244	27-Jun-12	Mar'13	2,176	9,445.00	20,552.32	17,046
12-Jan-12	Mar'12	2,350	9,160.00	21,526.00	18,420	28-Jun-12	Mar'13	2,253	9,445.00	21,279.59	17,841
13-Jan-12	Mar'12	2,326	9,080.00	21,120.08	18,140	29-Jun-12	Mar'13	2,253	9,392.50	21,161.30	17,822
16-Jan-12	Mar'12	2,269	9,130.00	20,715.97	17,607	2-Jul-12	Mar'13	2,306	9,395.00	21,664.87	18,247
17-Jan-12	Mar'12	2,269	9,085.00	20,613.87	17,670	3-Jul-12	Mar'13	2,307	9,324.00	21,510.47	18,290
18-Jan-12	Mar'12	2,270	9,030.00	20,498.10	17,587	4-Jul-12	Mar'13	2,361	9,342.50	22,057.64	18,730
19-Jan-12	Mar'12	2,265	8,970.00	20,317.05	17,379	5-Jul-12	Mar'13	2,361	9,384.00	22,155.62	18,766
20-Jan-12	Mar'12	2,320	8,945.00	20,752.40	17,641	6-Jul-12	Mar'13	2,335	9,442.00	22,047.07	18,599
24-Jan-12	Mar'12	2,269	9,002.50	20,426.67	17,242	9-Jul-12	Mar'13	2,267	9,410.00	21,332.47	17,951
25-Jan-12	Mar'12	2,413	8,890.00	21,451.57	18,604	10-Jul-12	Mar'13	2,339	9,430.00	22,056.77	18,593
26-Jan-12	Mar'12	2,422	8,965.00	21,713.23	18,638	12-Jul-12	Mar'13	2,317	9,445.00	21,884.07	18,375
27-Jan-12	Mar'12	2,452	8,972.50	22,000.57	18,876	13-Jul-12	Mar'13	2,222	9,447.50	20,992.35	17,434
30-Jan-12	Mar'12	2,406	8,990.00	21,629.94	18,473	16-Jul-12	Mar'13	2,249	9,450.00	21,253.05	17,686
31-Jan-12	Mar'12	2,280	8,990.00	20,497.20	17,370	17-Jul-12	Mar'13	2,232	9,440.00	21,070.08	17,498
1-Feb-12	Mar'12	2,291	8,982.50	20,578.91	17,512	18-Jul-12	Mar'13	2,228	9,450.00	21,054.60	17,459
2-Feb-12	Mar'12	2,225	8,940.00	19,891.50	16,673	19-Jul-12	Mar'13	2,237	9,447.50	21,134.06	17,557
3-Feb-12	Mar'12	2,225	8,970.00	19,958.25	16,866	20-Jul-12	Mar'13	2,258	9,450.00	21,338.10	17,819
6-Feb-12	Mar'12	2,300	8,985.00	20,665.50	17,527	23-Jul-12	Mar'13	2,258	9,455.00	21,349.39	17,837
7-Feb-12	Mar'12	2,263	8,942.50	20,236.88	17,213	24-Jul-12	Mar'13	2,267	9,467.50	21,462.82	17,913
8-Feb-12	Mar'12	2,273	8,880.00	20,184.24	17,284	25-Jul-12	Mar'13	2,255	9,482.50	21,383.04	17,642
9-Feb-12	Mar'12	2,263	8,945.00	20,242.54	17,045	26-Jul-12	Mar'13	2,258	9,477.50	21,400.20	17,847
10-Feb-12	Mar'12	2,236	8,985.00	20,090.46	16,961	27-Jul-12	Mar'13	2,336	9,455.00	22,086.88	18,648
13-Feb-12	Mar'12	2,156	9,000.00	19,404.00	16,296	30-Jul-12	Mar'13	2,352	9,455.00	22,238.16	18,780
14-Feb-12	Mar'12	2,199	9,005.00	19,802.00	16,709	31-Jul-12	Mar'13	2,365	9,445.00	22,337.43	18,885
15-Feb-12	Mar'12	2,270	8,955.00	20,327.85	17,357	1-Aug-12	Mar'13	2,398	9,442.50	22,643.12	19,182
16-Feb-12	Mar'12	2,270	9,005.00	20,441.35	17,270	2-Aug-12	Mar'13	2,421	9,467.50	22,920.82	19,441
17-Feb-12	Mar'12	2,270	9,000.00	20,430.00	17,334	3-Aug-12	Mar'13	2,395	9,467.50	22,674.66	19,150
9-Mar-12	Mar'12	2,395	9,132.50	21,872.34	18,677	6-Aug-12	Mar'13	2,421	9,465.00	22,914.77	19,376
2-Jan-12	Mei'12	2,105	9,080.00	19,113.40	15,814	7-Aug-12	Mar'13	2,419	9,467.50	22,901.88	19,399
3-Jan-12	Mei'12	2,131	9,135.00	19,466.69	16,112	8-Aug-12	Mar'13	2,458	9,470.50	23,278.49	19,869
4-Jan-12	Mei'12	2,135	9,145.00	19,524.58	16,203	9-Aug-12	Mar'13	2,476	9,471.50	23,451.43	20,038
5-Jan-12	Mei'12	2,096	9,125.00	19,126.00	15,806	10-Aug-12	Mar'13	2,482	9,477.50	23,523.16	20,025
6-Jan-12	Mei'12	2,049	9,095.00	18,635.66	15,370	13-Aug-12	Mar'13	2,466	9,485.00	23,390.01	19,870
9-Jan-12	Mei'12	2,049	9,150.00	18,748.35	15,417	14-Aug-12	Mar'13	2,413	9,482.50	22,881.27	19,341
10-Jan-12	Mei'12	2,189	9,155.00	20,040.30	16,726	15-Aug-12	Mar'13	2,454	9,497.50	23,306.87	19,748
11-Jan-12	Mei'12	2,351	9,160.00	21,535.16	18,244	16-Aug-12	Mar'13	2,450	9,490.00	23,250.50	19,746
12-Jan-12	Mei'12	2,368	9,160.00	21,690.88	18,420	23-Aug-12	Mar'13	2,395	9,494.00	22,738.13	19,275

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
13-Jan-12	Mei'12	2,342	9,080.00	21,265.36	18,140	24-Aug-12	Mar'13	2,398	9,505.00	22,792.99	19,341
16-Jan-12	Mei'12	2,284	9,130.00	20,852.92	17,607	27-Aug-12	Mar'13	2,411	9,515.00	22,940.67	19,477
17-Jan-12	Mei'12	2,284	9,085.00	20,750.14	17,670	28-Aug-12	Mar'13	2,484	9,535.00	23,684.94	20,243
18-Jan-12	Mei'12	2,289	9,030.00	20,669.67	17,587	29-Aug-12	Mar'13	2,574	9,547.50	24,575.27	21,189
19-Jan-12	Mei'12	2,285	8,970.00	20,496.45	17,379	30-Aug-12	Mar'13	2,583	9,545.00	24,654.74	21,290
20-Jan-12	Mei'12	2,338	8,945.00	20,913.41	17,641	31-Aug-12	Mar'13	2,608	9,535.00	24,867.28	21,520
24-Jan-12	Mei'12	2,291	9,002.50	20,624.73	17,242	3-Sep-12	Mar'13	2,617	9,535.00	24,953.10	21,662
25-Jan-12	Mei'12	2,434	8,890.00	21,638.26	18,604	4-Sep-12	Mar'13	2,617	9,571.00	25,047.31	21,646
26-Jan-12	Mei'12	2,447	8,965.00	21,937.36	18,638	5-Sep-12	Mar'13	2,559	9,570.00	24,489.63	21,103
27-Jan-12	Mei'12	2,473	8,972.50	22,188.99	18,876	6-Sep-12	Mar'13	2,660	9,565.00	25,442.90	22,100
30-Jan-12	Mei'12	2,431	8,990.00	21,854.69	18,473	7-Sep-12	Mar'13	2,694	9,570.00	25,781.58	22,457
31-Jan-12	Mei'12	2,310	8,990.00	20,766.90	17,370	10-Sep-12	Mar'13	2,680	9,577.00	25,666.36	22,290
1-Feb-12	Mei'12	2,324	8,982.50	20,875.33	17,512	11-Sep-12	Mar'13	2,660	9,577.50	25,476.15	22,083
2-Feb-12	Mei'12	2,259	8,940.00	20,195.46	16,673	12-Sep-12	Mar'13	2,641	9,568.00	25,269.09	21,857
3-Feb-12	Mei'12	2,255	8,970.00	20,227.35	16,866	13-Sep-12	Mar'13	2,642	9,577.50	25,303.76	20,587
6-Feb-12	Mei'12	2,327	8,985.00	20,908.10	17,527	14-Sep-12	Mar'13	2,625	9,505.00	24,950.63	20,413
7-Feb-12	Mei'12	2,290	8,942.50	20,478.33	17,213	17-Sep-12	Mar'13	2,653	9,462.50	25,104.01	20,411
8-Feb-12	Mei'12	2,291	8,880.00	20,344.08	17,284	18-Sep-12	Mar'13	2,597	9,502.50	24,677.99	19,981
9-Feb-12	Mei'12	2,278	8,945.00	20,376.71	17,045	19-Sep-12	Mar'13	2,545	9,537.50	24,272.94	19,623
10-Feb-12	Mei'12	2,244	8,985.00	20,162.34	16,961	21-Sep-12	Mar'13	2,533	9,545.00	24,177.49	19,527
13-Feb-12	Mei'12	2,161	9,000.00	19,449.00	16,296	24-Sep-12	Mar'13	2,534	9,562.50	24,231.38	19,550
14-Feb-12	Mei'12	2,192	9,005.00	19,738.96	16,709	25-Sep-12	Mar'13	2,460	9,575.00	23,554.50	18,908
15-Feb-12	Mei'12	2,270	8,955.00	20,327.85	17,357	26-Sep-12	Mar'13	2,495	9,585.00	23,914.58	19,245
16-Feb-12	Mei'12	2,391	9,005.00	21,530.96	17,270	27-Sep-12	Mar'13	2,482	9,575.00	23,765.15	19,137
17-Feb-12	Mei'12	2,405	9,000.00	21,645.00	17,334	28-Sep-12	Mar'13	2,496	9,570.00	23,886.72	19,252
20-Feb-12	Mei'12	2,345	9,000.00	21,105.00	18,025	1-Oct-12	Mar'13	2,530	9,580.00	24,237.40	19,572
21-Feb-12	Mei'12	2,345	9,040.00	21,198.80	18,045	2-Oct-12	Mar'13	2,464	9,580.00	23,605.12	18,950
22-Feb-12	Mei'12	2,424	9,050.00	21,937.20	18,788	3-Oct-12	Mar'13	2,490	9,585.00	23,866.65	19,192
23-Feb-12	Mei'12	2,438	9,045.00	22,051.71	18,938	4-Oct-12	Mar'13	2,431	9,590.00	23,313.29	18,645
24-Feb-12	Mei'12	2,344	9,045.00	21,201.48	18,086	5-Oct-12	Mar'13	2,409	9,589.00	23,099.90	18,463
27-Feb-12	Mei'12	2,357	9,125.00	21,507.63	18,284	8-Oct-12	Mar'13	2,396	9,591.00	22,980.04	18,345
28-Feb-12	Mei'12	2,400	9,030.00	21,672.00	18,774	9-Oct-12	Mar'13	2,394	9,592.00	22,963.25	18,355
29-Feb-12	Mei'12	2,370	9,020.00	21,377.40	18,352	10-Oct-12	Mar'13	2,430	9,592.00	23,308.56	18,662
1-Mar-12	Mei'12	2,334	9,080.00	21,192.72	18,050	11-Oct-12	Mar'13	2,388	9,582.50	22,883.01	18,278
2-Mar-12	Mei'12	2,366	9,080.00	21,483.28	18,362	12-Oct-12	Mar'13	2,367	9,577.50	22,669.94	18,091
5-Mar-12	Mei'12	2,334	9,122.50	21,291.92	18,114	15-Oct-12	Mar'13	2,380	9,590.00	22,824.20	18,205
6-Mar-12	Mei'12	2,283	9,137.50	20,860.91	18,114	16-Oct-12	Mar'13	2,369	9,585.00	22,706.87	18,080
7-Mar-12	Mei'12	2,283	9,110.00	20,798.13	17,776	17-Oct-12	Mar'13	2,430	9,574.00	23,264.82	18,663
8-Mar-12	Mei'12	2,277	9,135.00	20,800.40	17,657	18-Oct-12	Mar'13	2,399	9,588.00	23,001.61	18,362
12-Mar-12	Mei'12	2,410	9,157.50	22,069.58	18,870	19-Oct-12	Mar'13	2,448	9,592.50	23,482.44	18,855
13-Mar-12	Mei'12	2,383	9,165.00	21,840.20	18,632	22-Oct-12	Mar'13	2,497	9,605.00	23,983.69	19,326
14-Mar-12	Mei'12	2,372	9,170.00	21,751.24	18,588	23-Oct-12	Mar'13	2,523	9,607.50	24,239.72	19,617
15-Mar-12	Mei'12	2,314	9,167.50	21,213.60	18,055	24-Oct-12	Mar'13	2,508	9,610.00	24,101.88	19,452
16-Mar-12	Mei'12	2,221	9,130.00	20,277.73	17,172	29-Oct-12	Mar'13	2,394	9,605.00	22,994.37	18,383
19-Mar-12	Mei'12	2,256	9,125.00	20,586.00	17,474	30-Oct-12	Mar'13	2,363	9,615.00	22,720.25	18,081
20-Mar-12	Mei'12	2,289	9,155.00	20,955.80	17,761	31-Oct-12	Mar'13	2,403	9,605.00	23,080.82	18,013
21-Mar-12	Mei'12	2,372	9,145.00	21,691.94	18,562	1-Nov-12	Mar'13	2,401	9,620.00	23,097.62	18,472

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
22-Mar-12	Mei'12	2,359	9,157.50	21,602.54	18,429	2-Nov-12	Mar'13	2,433	9,615.00	23,393.30	18,472
26-Mar-12	Mei'12	2,307	9,175.00	21,166.73	17,967	5-Nov-12	Mar'13	2,458	9,620.00	23,645.96	19,012
27-Mar-12	Mei'12	2,331	9,157.50	21,346.13	18,201	7-Nov-12	Mar'13	2,466	9,605.00	23,685.93	19,153
28-Mar-12	Mei'12	2,356	9,147.50	21,551.51	18,415	8-Nov-12	Mar'13	2,399	9,630.00	23,102.37	18,592
29-Mar-12	Mei'12	2,295	9,165.00	21,033.68	17,871	9-Nov-12	Mar'13	2,340	9,620.00	22,510.80	18,015
30-Mar-12	Mei'12	2,223	9,144.00	20,327.11	17,194	12-Nov-12	Mar'13	2,359	9,620.00	22,693.58	18,211
2-Apr-12	Mei'12	2,219	9,140.00	20,281.66	17,126	13-Nov-12	Mar'13	2,375	9,625.00	22,859.38	18,425
3-Apr-12	Mei'12	2,187	9,130.00	19,967.31	16,799	14-Nov-12	Mar'13	2,387	9,625.00	22,974.88	18,556
4-Apr-12	Mei'12	2,143	9,140.00	19,587.02	16,420	19-Nov-12	Mar'13	2,406	9,630.00	23,169.78	18,585
5-Apr-12	Mei'12	2,083	9,110.00	18,976.13	16,420	20-Nov-12	Mar'13	2,427	9,633.00	23,379.29	18,794
9-Apr-12	Mei'12	2,085	9,150.00	19,077.75	15,906	21-Nov-12	Mar'13	2,456	9,635.50	23,664.79	19,124
10-Apr-12	Mei'12	2,118	9,150.00	19,379.70	14,146	22-Nov-12	Mar'13	2,476	9,627.50	23,837.69	19,299
11-Apr-12	Mei'12	2,064	9,152.50	18,890.76	14,771	23-Nov-12	Mar'13	2,476	9,612.50	23,800.55	19,277
12-Apr-12	Mei'12	2,103	9,162.50	19,268.74	15,116	26-Nov-12	Mar'13	2,516	9,600.00	24,153.60	19,623
13-Apr-12	Mei'12	2,083	9,140.00	19,038.62	14,943	27-Nov-12	Mar'13	2,478	9,600.00	23,788.80	19,245
16-Apr-12	Mei'12	2,248	9,175.00	20,625.40	16,379	28-Nov-12	Mar'13	2,447	9,600.00	23,491.20	18,972
17-Apr-12	Mei'12	2,300	9,180.00	21,114.00	16,842	29-Nov-12	Mar'13	2,458	9,600.00	23,596.80	19,077
18-Apr-12	Mei'12	2,300	9,177.50	21,108.25	16,840	30-Nov-12	Mar'13	2,491	9,593.50	23,897.41	19,368
2-Jan-12	Jul'12	2,122	9,080.00	19,267.76	15,814	5-Dec-12	Mar'13	2,444	9,600.00	23,462.40	18,939
3-Jan-12	Jul'12	2,148	9,135.00	19,621.98	16,112	6-Dec-12	Mar'13	2,420	9,610.00	23,256.20	18,736
4-Jan-12	Jul'12	2,153	9,145.00	19,689.19	16,203	10-Dec-12	Mar'13	2,412	9,630.00	23,227.56	18,740
5-Jan-12	Jul'12	2,116	9,125.00	19,308.50	15,806	11-Dec-12	Mar'13	2,379	9,635.00	22,921.67	18,428
6-Jan-12	Jul'12	2,068	9,095.00	18,808.46	15,370	12-Dec-12	Mar'13	2,380	9,630.00	22,919.40	18,432
9-Jan-12	Jul'12	2,068	9,150.00	18,922.20	15,417	13-Dec-12	Mar'13	2,441	9,635.00	23,519.04	18,987
10-Jan-12	Jul'12	2,207	9,155.00	20,205.09	16,726	14-Dec-12	Mar'13	2,422	9,637.50	23,342.03	18,816
11-Jan-12	Jul'12	2,369	9,160.00	21,700.04	18,244	17-Dec-12	Mar'13	2,435	9,640.00	23,473.40	18,936
12-Jan-12	Jul'12	2,386	9,160.00	21,855.76	18,420	18-Dec-12	Mar'13	2,425	9,643.50	23,385.49	18,840
13-Jan-12	Jul'12	2,360	9,080.00	21,428.80	18,140	19-Dec-12	Mar'13	2,397	9,650.00	23,131.05	18,595
16-Jan-12	Jul'12	2,303	9,130.00	21,026.39	17,607	20-Dec-12	Mar'13	2,358	9,652.50	22,760.60	18,258
17-Jan-12	Jul'12	2,303	9,085.00	20,922.76	17,670	21-Dec-12	Mar'13	2,328	9,657.50	22,482.66	18,033
18-Jan-12	Jul'12	2,310	9,030.00	20,859.30	17,587	26-Dec-12	Mar'13	2,273	9,657.50	21,951.50	17,563
19-Jan-12	Jul'12	2,306	8,970.00	20,684.82	17,379	27-Dec-12	Mar'13	2,273	9,662.50	21,962.86	17,563
20-Jan-12	Jul'12	2,356	8,945.00	21,074.42	17,641	28-Dec-12	Mar'13	2,255	9,637.50	21,732.56	17,331
24-Jan-12	Jul'12	2,311	9,002.50	20,804.78	17,242	3-Jan-13	Mar'13	2,259	9,655.00	21,810.65	17,368
25-Jan-12	Jul'12	2,454	8,890.00	21,816.06	18,604	4-Jan-13	Mar'13	2,256	9,660.00	21,792.96	17,349
26-Jan-12	Jul'12	2,470	8,965.00	22,143.55	18,638	7-Jan-13	Mar'13	2,220	9,667.50	21,461.85	17,129
27-Jan-12	Jul'12	2,494	8,972.50	22,377.42	18,876	8-Jan-13	Mar'13	2,267	9,670.00	21,921.89	17,568
30-Jan-12	Jul'12	2,457	8,990.00	22,088.43	18,473	9-Jan-13	Mar'13	2,215	9,660.00	21,396.90	17,086
31-Jan-12	Jul'12	2,336	8,990.00	21,000.64	17,370	10-Jan-13	Mar'13	2,223	9,660.00	21,474.18	17,116
1-Feb-12	Jul'12	2,350	8,982.50	21,108.88	17,512	11-Jan-13	Mar'13	2,269	9,635.00	21,861.82	17,442
2-Feb-12	Jul'12	2,284	8,940.00	20,418.96	16,673	14-Jan-13	Mar'13	2,256	9,635.00	21,736.56	17,340
3-Feb-12	Jul'12	2,282	8,970.00	20,469.54	16,866	15-Jan-13	Mar'13	2,256	9,650.00	21,770.40	17,466
6-Feb-12	Jul'12	2,353	8,985.00	21,141.71	17,527	16-Jan-13	Mar'13	2,270	9,655.00	21,916.85	17,505
7-Feb-12	Jul'12	2,317	8,942.50	20,719.77	17,213	18-Jan-13	Mar'13	2,300	9,630.00	22,149.00	17,772
8-Feb-12	Jul'12	2,315	8,880.00	20,557.20	17,284	21-Jan-13	Mar'13	2,269	9,617.50	21,822.11	17,478
9-Feb-12	Jul'12	2,303	8,945.00	20,600.34	17,045	22-Jan-13	Mar'13	2,269	9,620.00	21,827.78	17,409
10-Feb-12	Jul'12	2,271	8,985.00	20,404.94	16,961	23-Jan-13	Mar'13	2,213	9,625.00	21,300.13	16,884

Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
13-Feb-12	Jul'12	2,185	9,000.00	19,665.00	16,296	25-Jan-13	Mar'13	2,195	9,652.50	21,187.24	16,733
14-Feb-12	Jul'12	2,215	9,005.00	19,946.08	16,709	28-Jan-13	Mar'13	2,173	9,677.50	21,029.21	16,578
15-Feb-12	Jul'12	2,291	8,955.00	20,515.91	17,357	29-Jan-13	Mar'13	2,161	9,677.50	20,913.08	16,485
16-Feb-12	Jul'12	2,405	9,005.00	21,657.03	17,270	30-Jan-13	Mar'13	2,195	9,687.50	21,264.06	16,815
17-Feb-12	Jul'12	2,428	9,000.00	21,852.00	17,334	31-Jan-13	Mar'13	2,179	9,697.50	21,130.85	16,681
20-Feb-12	Jul'12	2,367	9,000.00	21,303.00	18,025	1-Feb-13	Mar'13	2,205	9,712.50	21,416.06	16,924
21-Feb-12	Jul'12	2,367	9,040.00	21,397.68	18,045	4-Feb-13	Mar'13	2,205	9,670.50	21,323.45	17,943
22-Feb-12	Jul'12	2,441	9,050.00	22,091.05	18,788	5-Feb-13	Mar'13	2,192	9,675.50	21,208.70	17,862
23-Feb-12	Jul'12	2,453	9,045.00	22,187.39	18,938	6-Feb-13	Mar'13	2,246	9,710.00	21,808.66	18,365
24-Feb-12	Jul'12	2,364	9,045.00	21,382.38	18,086	7-Feb-13	Mar'13	2,223	9,692.50	21,546.43	18,215
27-Feb-12	Jul'12	2,374	9,125.00	21,662.75	18,284	8-Feb-13	Mar'13	2,238	9,667.00	21,634.75	18,285
28-Feb-12	Jul'12	2,414	9,030.00	21,798.42	18,774	11-Feb-13	Mar'13	2,232	9,620.00	21,471.84	18,176
29-Feb-12	Jul'12	2,383	9,020.00	21,494.66	18,352	12-Feb-13	Mar'13	2,174	9,645.50	20,969.32	17,572
1-Mar-12	Jul'12	2,354	9,080.00	21,374.32	18,050	13-Feb-13	Mar'13	2,179	9,646.50	21,019.72	17,639
2-Mar-12	Jul'12	2,384	9,080.00	21,646.72	18,362	14-Feb-13	Mar'13	2,143	9,659.50	20,700.31	17,329
5-Mar-12	Jul'12	2,352	9,122.50	21,456.12	18,114	23-Aug-12	Mei'13	2,405	9,494.00	22,833.07	19,275
6-Mar-12	Jul'12	2,302	9,137.50	21,034.53	18,114	24-Aug-12	Mei'13	2,410	9,505.00	22,907.05	19,341
7-Mar-12	Jul'12	2,302	9,110.00	20,971.22	17,776	27-Aug-12	Mei'13	2,420	9,515.00	23,026.30	19,477
8-Mar-12	Jul'12	2,297	9,135.00	20,983.10	17,657	28-Aug-12	Mei'13	2,493	9,535.00	23,770.76	20,243
9-Mar-12	Jul'12	2,413	9,132.50	22,036.72	18,677	29-Aug-12	Mei'13	2,582	9,547.50	24,651.65	21,189
12-Mar-12	Jul'12	2,427	9,157.50	22,225.25	18,870	30-Aug-12	Mei'13	2,592	9,545.00	24,740.64	21,290
13-Mar-12	Jul'12	2,401	9,165.00	22,005.17	18,632	31-Aug-12	Mei'13	2,616	9,535.00	24,943.56	21,520
14-Mar-12	Jul'12	2,391	9,170.00	21,925.47	18,588	3-Sep-12	Mei'13	2,620	9,535.00	24,981.70	21,662
15-Mar-12	Jul'12	2,338	9,167.50	21,433.62	18,055	4-Sep-12	Mei'13	2,620	9,571.00	25,076.02	21,646
16-Mar-12	Jul'12	2,245	9,130.00	20,496.85	17,172	5-Sep-12	Mei'13	2,565	9,570.00	24,547.05	21,103
19-Mar-12	Jul'12	2,280	9,125.00	20,805.00	17,474	6-Sep-12	Mei'13	2,665	9,565.00	25,490.73	22,100
20-Mar-12	Jul'12	2,313	9,155.00	21,175.52	17,761	7-Sep-12	Mei'13	2,700	9,570.00	25,839.00	22,457
21-Mar-12	Jul'12	2,394	9,145.00	21,893.13	18,562	10-Sep-12	Mei'13	2,687	9,577.00	25,733.40	22,290
22-Mar-12	Jul'12	2,380	9,157.50	21,794.85	18,429	11-Sep-12	Mei'13	2,669	9,577.50	25,562.35	22,083
26-Mar-12	Jul'12	2,332	9,175.00	21,396.10	17,967	12-Sep-12	Mei'13	2,650	9,568.00	25,355.20	21,857
27-Mar-12	Jul'12	2,358	9,157.50	21,593.39	18,201	13-Sep-12	Mei'13	2,651	9,577.50	25,389.95	20,587
28-Mar-12	Jul'12	2,382	9,147.50	21,789.35	18,415	14-Sep-12	Mei'13	2,631	9,505.00	25,007.66	20,413
29-Mar-12	Jul'12	2,321	9,165.00	21,271.97	17,871	17-Sep-12	Mei'13	2,659	9,462.50	25,160.79	20,411
30-Mar-12	Jul'12	2,250	9,144.00	20,574.00	17,194	18-Sep-12	Mei'13	2,606	9,502.50	24,763.52	19,981
2-Apr-12	Jul'12	2,246	9,140.00	20,528.44	17,126	19-Sep-12	Mei'13	2,554	9,537.50	24,358.78	19,623
3-Apr-12	Jul'12	2,215	9,130.00	20,222.95	16,799	21-Sep-12	Mei'13	2,539	9,545.00	24,234.76	19,527
4-Apr-12	Jul'12	2,169	9,140.00	19,824.66	16,420	24-Sep-12	Mei'13	2,542	9,562.50	24,307.88	19,550
5-Apr-12	Jul'12	2,109	9,110.00	19,212.99	16,420	25-Sep-12	Mei'13	2,470	9,575.00	23,650.25	18,908
9-Apr-12	Jul'12	2,108	9,150.00	19,288.20	15,906	26-Sep-12	Mei'13	2,502	9,585.00	23,981.67	19,245
10-Apr-12	Jul'12	2,118	9,150.00	19,379.70	14,146	27-Sep-12	Mei'13	2,491	9,575.00	23,851.33	19,137
11-Apr-12	Jul'12	2,070	9,152.50	18,945.68	14,771	28-Sep-12	Mei'13	2,506	9,570.00	23,982.42	19,252
12-Apr-12	Jul'12	2,104	9,162.50	19,277.90	15,116	1-Oct-12	Mei'13	2,538	9,580.00	24,314.04	19,572
13-Apr-12	Jul'12	2,109	9,140.00	19,276.26	14,943	2-Oct-12	Mei'13	2,473	9,580.00	23,691.34	18,950
16-Apr-12	Jul'12	2,200	9,175.00	20,185.00	16,379	3-Oct-12	Mei'13	2,499	9,585.00	23,952.92	19,192
17-Apr-12	Jul'12	2,226	9,180.00	20,434.68	16,842	4-Oct-12	Mei'13	2,441	9,590.00	23,409.19	18,645
18-Apr-12	Jul'12	2,292	9,177.50	21,034.83	16,840	5-Oct-12	Mei'13	2,418	9,589.00	23,186.20	18,463
19-Apr-12	Jul'12	2,257	9,179.00	20,717.00	16,474	8-Oct-12	Mei'13	2,407	9,591.00	23,085.54	18,345

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
20-Apr-12	Jul'12	2,234	9,183.50	20,515.94	16,277	9-Oct-12	Mei'13	2,404	9,592.00	23,059.17	18,355
23-Apr-12	Jul'12	2,269	9,186.50	20,844.17	16,582	10-Oct-12	Mei'13	2,440	9,592.00	23,404.48	18,662
24-Apr-12	Jul'12	2,204	9,192.50	20,260.27	16,031	11-Oct-12	Mei'13	2,398	9,582.50	22,978.84	18,278
25-Apr-12	Jul'12	2,284	9,197.50	21,007.09	16,731	12-Oct-12	Mei'13	2,378	9,577.50	22,775.30	18,091
26-Apr-12	Jul'12	2,251	9,185.00	20,675.44	16,436	15-Oct-12	Mei'13	2,391	9,590.00	22,929.69	18,205
27-Apr-12	Jul'12	2,272	9,189.00	20,877.41	16,619	16-Oct-12	Mei'13	2,381	9,585.00	22,821.89	18,080
30-Apr-12	Jul'12	2,309	9,190.50	21,220.86	16,942	17-Oct-12	Mei'13	2,440	9,574.00	23,360.56	18,663
1-May-12	Jul'12	2,219	9,192.50	20,398.16	17,182	18-Oct-12	Mei'13	2,408	9,588.00	23,087.90	18,362
2-May-12	Jul'12	2,319	9,198.00	21,330.16	18,101	19-Oct-12	Mei'13	2,457	9,592.50	23,568.77	18,855
3-May-12	Jul'12	2,342	9,190.00	21,522.98	18,318	22-Oct-12	Mei'13	2,505	9,605.00	24,060.53	19,326
4-May-12	Jul'12	2,307	9,190.00	21,201.33	18,040	23-Oct-12	Mei'13	2,530	9,607.50	24,306.98	19,617
7-May-12	Jul'12	2,289	9,195.00	21,047.36	17,887	24-Oct-12	Mei'13	2,516	9,610.00	24,178.76	19,452
8-May-12	Jul'12	2,357	9,195.00	21,672.62	18,505	29-Oct-12	Mei'13	2,405	9,605.00	23,100.03	18,383
9-May-12	Jul'12	2,326	9,230.00	21,468.98	18,229	30-Oct-12	Mei'13	2,376	9,615.00	22,845.24	18,081
10-May-12	Jul'12	2,334	9,180.00	21,426.12	18,346	31-Oct-12	Mei'13	2,413	9,605.00	23,176.87	18,013
11-May-12	Jul'12	2,338	9,190.00	21,486.22	18,250	1-Nov-12	Mei'13	2,412	9,620.00	23,203.44	18,472
14-May-12	Jul'12	2,319	9,235.00	21,415.97	18,154	2-Nov-12	Mei'13	2,445	9,615.00	23,508.68	18,472
15-May-12	Jul'12	2,261	9,240.00	20,891.64	17,705	5-Nov-12	Mei'13	2,468	9,620.00	23,742.16	19,012
16-May-12	Jul'12	2,268	9,242.00	20,960.86	17,799	7-Nov-12	Mei'13	2,474	9,605.00	23,762.77	19,153
21-May-12	Jul'12	2,273	9,250.00	21,025.25	17,822	8-Nov-12	Mei'13	2,408	9,630.00	23,189.04	18,592
22-May-12	Jul'12	2,238	9,227.50	20,651.15	17,492	9-Nov-12	Mei'13	2,347	9,620.00	22,578.14	18,015
23-May-12	Jul'12	2,179	9,260.00	20,177.54	16,964	12-Nov-12	Mei'13	2,366	9,620.00	22,760.92	18,211
24-May-12	Jul'12	2,124	9,265.00	19,678.86	16,463	13-Nov-12	Mei'13	2,382	9,625.00	22,926.75	18,425
25-May-12	Jul'12	2,105	9,287.50	19,550.19	16,339	14-Nov-12	Mei'13	2,392	9,625.00	23,023.00	18,556
28-May-12	Jul'12	2,110	9,330.00	19,686.30	16,588	19-Nov-12	Mei'13	2,412	9,630.00	23,227.56	18,585
29-May-12	Jul'12	2,110	9,395.00	19,823.45	16,676	20-Nov-12	Mei'13	2,432	9,633.00	23,427.46	18,794
30-May-12	Jul'12	2,110	9,435.00	19,907.85	16,843	21-Nov-12	Mei'13	2,461	9,635.50	23,712.97	19,124
31-May-12	Jul'12	2,070	9,400.00	19,458.00	16,452	22-Nov-12	Mei'13	2,482	9,627.50	23,895.46	19,299
1-Jun-12	Jul'12	2,083	9,387.50	19,554.16	16,174	23-Nov-12	Mei'13	2,482	9,612.50	23,858.23	19,277
4-Jun-12	Jul'12	2,063	9,400.00	19,392.20	16,210	26-Nov-12	Mei'13	2,520	9,600.00	24,192.00	19,623
5-Jun-12	Jul'12	2,094	9,402.50	19,688.84	16,503	27-Nov-12	Mei'13	2,484	9,600.00	23,846.40	19,245
6-Jun-12	Jul'12	2,163	9,300.00	20,115.90	17,160	28-Nov-12	Mei'13	2,454	9,600.00	23,558.40	18,972
7-Jun-12	Jul'12	2,203	9,370.00	20,642.11	17,372	29-Nov-12	Mei'13	2,464	9,600.00	23,654.40	19,077
8-Jun-12	Jul'12	2,226	9,385.00	20,891.01	17,696	30-Nov-12	Mei'13	2,495	9,593.50	23,935.78	19,368
11-Jun-12	Jul'12	2,200	9,405.00	20,691.00	17,451	5-Dec-12	Mei'13	2,451	9,600.00	23,529.60	18,939
12-Jun-12	Jul'12	2,197	9,405.00	20,662.79	17,450	6-Dec-12	Mei'13	2,427	9,610.00	23,323.47	18,736
13-Jun-12	Jul'12	2,249	9,420.00	21,185.58	17,955	10-Dec-12	Mei'13	2,420	9,630.00	23,304.60	18,740
14-Jun-12	Jul'12	2,257	9,420.00	21,260.94	18,055	11-Dec-12	Mei'13	2,387	9,635.00	22,998.75	18,428
15-Jun-12	Jul'12	2,225	9,385.00	20,881.63	17,753	12-Dec-12	Mei'13	2,389	9,630.00	23,006.07	18,432
20-Feb-12	Sep'12	2,375	9,000.00	21,375.00	18,025	13-Dec-12	Mei'13	2,449	9,635.00	23,596.12	18,987
21-Feb-12	Sep'12	2,375	9,040.00	21,470.00	18,045	14-Dec-12	Mei'13	2,430	9,637.50	23,419.13	18,816
22-Feb-12	Sep'12	2,448	9,050.00	22,154.40	18,788	17-Dec-12	Mei'13	2,442	9,640.00	23,540.88	18,936
23-Feb-12	Sep'12	2,455	9,045.00	22,205.48	18,938	18-Dec-12	Mei'13	2,431	9,643.50	23,443.35	18,840
24-Feb-12	Sep'12	2,373	9,045.00	21,463.79	18,086	19-Dec-12	Mei'13	2,404	9,650.00	23,198.60	18,595
27-Feb-12	Sep'12	2,379	9,125.00	21,708.38	18,284	20-Dec-12	Mei'13	2,367	9,652.50	22,847.47	18,258
28-Feb-12	Sep'12	2,417	9,030.00	21,825.51	18,774	21-Dec-12	Mei'13	2,336	9,657.50	22,559.92	18,033
29-Feb-12	Sep'12	2,387	9,020.00	21,530.74	18,352	26-Dec-12	Mei'13	2,282	9,657.50	22,038.42	17,563

Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
1-Mar-12	Sep'12	2,367	9,080.00	21,492.36	18,050	27-Dec-12	Mei'13	2,282	9,662.50	22,049.83	17,563
2-Mar-12	Sep'12	2,396	9,080.00	21,755.68	18,362	28-Dec-12	Mei'13	2,265	9,637.50	21,828.94	17,331
5-Mar-12	Sep'12	2,364	9,122.50	21,565.59	18,114	3-Jan-13	Mei'13	2,267	9,655.00	21,887.89	17,368
6-Mar-12	Sep'12	2,317	9,137.50	21,171.59	18,114	4-Jan-13	Mei'13	2,265	9,660.00	21,879.90	17,349
7-Mar-12	Sep'12	2,317	9,110.00	21,107.87	17,776	7-Jan-13	Mei'13	2,229	9,667.50	21,548.86	17,129
8-Mar-12	Sep'12	2,312	9,135.00	21,120.12	17,657	8-Jan-13	Mei'13	2,275	9,670.00	21,999.25	17,568
9-Mar-12	Sep'12	2,430	9,132.50	22,191.98	18,677	9-Jan-13	Mei'13	2,223	9,660.00	21,474.18	17,086
12-Mar-12	Sep'12	2,441	9,157.50	22,353.46	18,870	10-Jan-13	Mei'13	2,231	9,660.00	21,551.46	17,116
13-Mar-12	Sep'12	2,415	9,165.00	22,133.48	18,632	11-Jan-13	Mei'13	2,277	9,635.00	21,938.90	17,442
14-Mar-12	Sep'12	2,408	9,170.00	22,081.36	18,588	14-Jan-13	Mei'13	2,265	9,635.00	21,823.28	17,340
15-Mar-12	Sep'12	2,355	9,167.50	21,589.46	18,055	15-Jan-13	Mei'13	2,265	9,650.00	21,857.25	17,466
16-Mar-12	Sep'12	2,261	9,130.00	20,642.93	17,172	16-Jan-13	Mei'13	2,277	9,655.00	21,984.44	17,505
19-Mar-12	Sep'12	2,294	9,125.00	20,932.75	17,474	18-Jan-13	Mei'13	2,308	9,630.00	22,226.04	17,772
20-Mar-12	Sep'12	2,326	9,155.00	21,294.53	17,761	21-Jan-13	Mei'13	2,277	9,617.50	21,899.05	17,478
21-Mar-12	Sep'12	2,402	9,145.00	21,966.29	18,562	22-Jan-13	Mei'13	2,277	9,620.00	21,904.74	17,409
22-Mar-12	Sep'12	2,386	9,157.50	21,849.80	18,429	23-Jan-13	Mei'13	2,224	9,625.00	21,406.00	16,884
26-Mar-12	Sep'12	2,340	9,175.00	21,469.50	17,967	25-Jan-13	Mei'13	2,207	9,652.50	21,303.07	16,733
27-Mar-12	Sep'12	2,366	9,157.50	21,666.65	18,201	28-Jan-13	Mei'13	2,182	9,677.50	21,116.31	16,578
28-Mar-12	Sep'12	2,389	9,147.50	21,853.38	18,415	29-Jan-13	Mei'13	2,170	9,677.50	21,000.18	16,485
29-Mar-12	Sep'12	2,330	9,165.00	21,354.45	17,871	30-Jan-13	Mei'13	2,204	9,687.50	21,351.25	16,815
30-Mar-12	Sep'12	2,263	9,144.00	20,692.87	17,194	31-Jan-13	Mei'13	2,186	9,697.50	21,198.74	16,681
2-Apr-12	Sep'12	2,262	9,140.00	20,674.68	17,126	1-Feb-13	Mei'13	2,207	9,712.50	21,435.49	16,924
3-Apr-12	Sep'12	2,232	9,130.00	20,378.16	16,799	4-Feb-13	Mei'13	2,205	9,670.50	21,323.45	17,943
4-Apr-12	Sep'12	2,189	9,140.00	20,007.46	16,420	5-Feb-13	Mei'13	2,197	9,675.50	21,257.07	17,862
5-Apr-12	Sep'12	2,130	9,110.00	19,404.30	16,420	6-Feb-13	Mei'13	2,249	9,710.00	21,837.79	18,365
9-Apr-12	Sep'12	2,128	9,150.00	19,471.20	15,906	7-Feb-13	Mei'13	2,227	9,692.50	21,585.20	18,215
10-Apr-12	Sep'12	2,136	9,150.00	19,544.40	14,146	8-Feb-13	Mei'13	2,236	9,667.00	21,615.41	18,285
11-Apr-12	Sep'12	2,085	9,152.50	19,082.96	14,771	11-Feb-13	Mei'13	2,227	9,620.00	21,423.74	18,176
12-Apr-12	Sep'12	2,117	9,162.50	19,397.01	15,116	12-Feb-13	Mei'13	2,172	9,645.50	20,950.03	17,572
13-Apr-12	Sep'12	2,130	9,140.00	19,468.20	14,943	13-Feb-13	Mei'13	2,170	9,646.50	20,932.91	17,639
16-Apr-12	Sep'12	2,214	9,175.00	20,313.45	16,379	14-Feb-13	Mei'13	2,170	9,659.50	20,961.12	17,329
17-Apr-12	Sep'12	2,237	9,180.00	20,535.66	16,842	21-Feb-13	Mei'13	2,113	9,702.50	20,501.38	17,106
18-Apr-12	Sep'12	2,292	9,177.50	21,034.83	16,840	25-Feb-13	Mei'13	2,139	9,705.00	20,759.00	17,377
19-Apr-12	Sep'12	2,268	9,179.00	20,817.97	16,474	26-Feb-13	Mei'13	2,143	9,707.00	20,802.10	17,401
20-Apr-12	Sep'12	2,248	9,183.50	20,644.51	16,277	27-Feb-13	Mei'13	2,125	9,685.50	20,581.69	17,189
23-Apr-12	Sep'12	2,282	9,186.50	20,963.59	16,582	28-Feb-13	Mei'13	2,131	9,663.50	20,592.92	17,217
24-Apr-12	Sep'12	2,219	9,192.50	20,398.16	16,031	1-Mar-13	Mei'13	2,135	9,677.50	20,661.46	17,275
25-Apr-12	Sep'12	2,296	9,197.50	21,117.46	16,731	4-Mar-13	Mei'13	2,082	9,706.00	20,207.89	16,807
26-Apr-12	Sep'12	2,265	9,185.00	20,804.03	16,436	5-Mar-13	Mei'13	2,056	9,692.50	19,927.78	16,557
27-Apr-12	Sep'12	2,286	9,189.00	21,006.05	16,619	6-Mar-13	Mei'13	2,059	9,687.50	19,946.56	16,553
30-Apr-12	Sep'12	2,322	9,190.50	21,340.34	16,942	7-Mar-13	Mei'13	2,042	9,692.50	19,792.09	16,407
1-May-12	Sep'12	2,237	9,192.50	20,563.62	17,182	8-Mar-13	Mei'13	2,062	9,684.50	19,969.44	16,915
2-May-12	Sep'12	2,331	9,198.00	21,440.54	18,101	11-Mar-13	Mei'13	2,120	9,697.00	20,557.64	17,148
3-May-12	Sep'12	2,353	9,190.00	21,624.07	18,318	13-Mar-13	Mei'13	2,158	9,690.50	20,912.10	17,534
4-May-12	Sep'12	2,318	9,190.00	21,302.42	18,040	14-Mar-13	Mei'13	2,147	9,702.50	20,831.27	17,436
7-May-12	Sep'12	2,300	9,195.00	21,148.50	17,887	18-Mar-13	Mei'13	2,115	9,711.00	20,538.77	17,152
8-May-12	Sep'12	2,367	9,195.00	21,764.57	18,505	19-Mar-13	Mei'13	2,088	9,712.00	20,278.66	16,867

Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
9-May-12	Sep'12	2,336	9,230.00	21,561.28	18,229	20-Mar-13	Mei'13	2,099	9,724.00	20,410.68	17,006
10-May-12	Sep'12	2,344	9,180.00	21,517.92	18,346	21-Mar-13	Mei'13	2,152	9,733.00	20,945.42	17,526
11-May-12	Sep'12	2,348	9,190.00	21,578.12	18,250	22-Mar-13	Mei'13	2,166	9,742.50	21,102.26	17,693
14-May-12	Sep'12	2,328	9,235.00	21,499.08	18,154	25-Mar-13	Mei'13	2,159	9,734.00	21,015.71	17,598
15-May-12	Sep'12	2,271	9,240.00	20,984.04	17,705	26-Mar-13	Mei'13	2,130	9,731.50	20,728.10	17,346
16-May-12	Sep'12	2,281	9,242.00	21,081.00	17,799	27-Mar-13	Mei'13	2,146	9,724.50	20,868.78	17,466
21-May-12	Sep'12	2,285	9,250.00	21,136.25	17,822	28-Mar-13	Mei'13	2,150	9,717.50	20,892.63	17,494
22-May-12	Sep'12	2,249	9,227.50	20,752.65	17,492	1-Apr-13	Mei'13	2,170	9,737.50	21,130.38	17,718
23-May-12	Sep'12	2,194	9,260.00	20,316.44	16,964	2-Apr-13	Mei'13	2,184	9,737.00	21,265.61	17,858
24-May-12	Sep'12	2,141	9,265.00	19,836.37	16,463	3-Apr-13	Mei'13	2,171	9,747.00	21,160.74	17,742
25-May-12	Sep'12	2,120	9,287.50	19,689.50	16,339	4-Apr-13	Mei'13	2,150	9,749.00	20,960.35	17,548
28-May-12	Sep'12	2,126	9,330.00	19,835.58	16,588	5-Apr-13	Mei'13	2,141	9,747.00	20,868.33	17,468
29-May-12	Sep'12	2,126	9,395.00	19,973.77	16,676	8-Apr-13	Mei'13	2,132	9,748.50	20,783.80	17,383
30-May-12	Sep'12	2,122	9,435.00	20,021.07	16,843	9-Apr-13	Mei'13	2,185	9,720.00	21,238.20	17,878
31-May-12	Sep'12	2,081	9,400.00	19,561.40	16,452	10-Apr-13	Mei'13	2,219	9,690.00	21,502.11	18,114
1-Jun-12	Sep'12	2,088	9,387.50	19,601.10	16,174	11-Apr-13	Mei'13	2,214	9,703.00	21,482.44	18,058
4-Jun-12	Sep'12	2,067	9,400.00	19,429.80	16,210	12-Apr-13	Mei'13	2,234	9,712.50	21,697.73	18,294
5-Jun-12	Sep'12	2,098	9,402.50	19,726.45	16,503	15-Apr-13	Mei'13	2,261	9,712.00	21,958.83	18,556
6-Jun-12	Sep'12	2,166	9,300.00	20,143.80	17,160	16-Apr-13	Mei'13	2,243	9,717.00	21,795.23	18,406
7-Jun-12	Sep'12	2,192	9,370.00	20,539.04	17,372	17-Apr-13	Mei'13	2,294	9,710.00	22,274.74	18,876
8-Jun-12	Sep'12	2,208	9,385.00	20,722.08	17,696	18-Apr-13	Mei'13	2,394	9,714.50	23,256.51	18,902
11-Jun-12	Sep'12	2,185	9,405.00	20,549.93	17,451	19-Apr-13	Mei'13	2,294	9,712.50	22,280.48	18,874
12-Jun-12	Sep'12	2,178	9,405.00	20,484.09	17,450	21-Nov-12	Jul'13	2,467	9,635.50	23,770.78	19,124
13-Jun-12	Sep'12	2,231	9,420.00	21,016.02	17,955	22-Nov-12	Jul'13	2,487	9,627.50	23,943.59	19,299
14-Jun-12	Sep'12	2,259	9,420.00	21,279.78	18,055	23-Nov-12	Jul'13	2,487	9,612.50	23,906.29	19,277
15-Jun-12	Sep'12	2,263	9,385.00	21,238.26	17,753	26-Nov-12	Jul'13	2,523	9,600.00	24,220.80	19,623
18-Jun-12	Sep'12	2,247	9,387.50	21,093.71	17,904	27-Nov-12	Jul'13	2,488	9,600.00	23,884.80	19,245
19-Jun-12	Sep'12	2,189	9,405.00	20,587.55	17,356	28-Nov-12	Jul'13	2,459	9,600.00	23,606.40	18,972
20-Jun-12	Sep'12	2,235	9,420.00	21,053.70	17,838	29-Nov-12	Jul'13	2,470	9,600.00	23,712.00	19,077
21-Jun-12	Sep'12	2,169	9,430.00	20,453.67	17,231	30-Nov-12	Jul'13	2,500	9,593.50	23,983.75	19,368
22-Jun-12	Sep'12	2,147	9,437.50	20,262.31	17,023	5-Dec-12	Jul'13	2,457	9,600.00	23,587.20	18,939
25-Jun-12	Sep'12	2,102	9,440.00	19,842.88	16,609	6-Dec-12	Jul'13	2,433	9,610.00	23,381.13	18,736
26-Jun-12	Sep'12	2,102	9,440.00	19,842.88	16,591	10-Dec-12	Jul'13	2,427	9,630.00	23,372.01	18,740
27-Jun-12	Sep'12	2,149	9,445.00	20,297.31	17,046	11-Dec-12	Jul'13	2,394	9,635.00	23,066.19	18,428
28-Jun-12	Sep'12	2,232	9,445.00	21,081.24	17,841	12-Dec-12	Jul'13	2,396	9,630.00	23,073.48	18,432
29-Jun-12	Sep'12	2,230	9,392.50	20,945.28	17,822	13-Dec-12	Jul'13	2,457	9,635.00	23,673.20	18,987
2-Jul-12	Sep'12	2,291	9,395.00	21,523.95	18,247	14-Dec-12	Jul'13	2,444	9,637.50	23,554.05	18,816
3-Jul-12	Sep'12	2,290	9,324.00	21,351.96	18,290	17-Dec-12	Jul'13	2,447	9,640.00	23,589.08	18,936
4-Jul-12	Sep'12	2,350	9,342.50	21,954.88	18,730	18-Dec-12	Jul'13	2,437	9,643.50	23,501.21	18,840
5-Jul-12	Sep'12	2,350	9,384.00	22,052.40	18,766	19-Dec-12	Jul'13	2,412	9,650.00	23,275.80	18,595
6-Jul-12	Sep'12	2,328	9,442.00	21,980.98	18,599	20-Dec-12	Jul'13	2,374	9,652.50	22,915.04	18,258
9-Jul-12	Sep'12	2,252	9,410.00	21,191.32	17,951	21-Dec-12	Jul'13	2,345	9,657.50	22,646.84	18,033
10-Jul-12	Sep'12	2,319	9,430.00	21,868.17	18,593	26-Dec-12	Jul'13	2,291	9,657.50	22,125.33	17,563
12-Jul-12	Sep'12	2,292	9,445.00	21,647.94	18,375	27-Dec-12	Jul'13	2,291	9,662.50	22,136.79	17,563
13-Jul-12	Sep'12	2,189	9,447.50	20,680.58	17,434	28-Dec-12	Jul'13	2,273	9,637.50	21,906.04	17,331
16-Jul-12	Sep'12	2,216	9,450.00	20,941.20	17,686	3-Jan-13	Jul'13	2,276	9,655.00	21,974.78	17,368
17-Jul-12	Sep'12	2,197	9,440.00	20,739.68	17,498	4-Jan-13	Jul'13	2,275	9,660.00	21,976.50	17,349

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
18-Jul-12	Sep'12	2,195	9,450.00	20,742.75	17,459	7-Jan-13	Jul'13	2,239	9,667.50	21,645.53	17,129
19-Jul-12	Sep'12	2,204	9,447.50	20,822.29	17,557	8-Jan-13	Jul'13	2,285	9,670.00	22,095.95	17,568
20-Jul-12	Sep'12	2,230	9,450.00	21,073.50	17,819	9-Jan-13	Jul'13	2,231	9,660.00	21,551.46	17,086
23-Jul-12	Sep'12	2,229	9,455.00	21,075.20	17,837	10-Jan-13	Jul'13	2,241	9,660.00	21,648.06	17,116
24-Jul-12	Sep'12	2,238	9,467.50	21,188.27	17,913	11-Jan-13	Jul'13	2,287	9,635.00	22,035.25	17,442
25-Jul-12	Sep'12	2,209	9,482.50	20,946.84	17,642	14-Jan-13	Jul'13	2,275	9,635.00	21,919.63	17,340
26-Jul-12	Sep'12	2,230	9,477.50	21,134.83	17,847	15-Jan-13	Jul'13	2,275	9,650.00	21,953.75	17,466
27-Jul-12	Sep'12	2,316	9,455.00	21,897.78	18,648	16-Jan-13	Jul'13	2,287	9,655.00	22,080.99	17,505
30-Jul-12	Sep'12	2,330	9,455.00	22,030.15	18,780	18-Jan-13	Jul'13	2,316	9,630.00	22,303.08	17,772
31-Jul-12	Sep'12	2,341	9,445.00	22,110.75	18,885	21-Jan-13	Jul'13	2,287	9,617.50	21,995.22	17,478
1-Aug-12	Sep'12	2,376	9,442.50	22,435.38	19,182	22-Jan-13	Jul'13	2,287	9,620.00	22,000.94	17,409
2-Aug-12	Sep'12	2,401	9,467.50	22,731.47	19,441	23-Jan-13	Jul'13	2,235	9,625.00	21,511.88	16,884
3-Aug-12	Sep'12	2,369	9,467.50	22,428.51	19,150	25-Jan-13	Jul'13	2,218	9,652.50	21,409.25	16,733
6-Aug-12	Sep'12	2,398	9,465.00	22,697.07	19,376	28-Jan-13	Jul'13	2,194	9,677.50	21,232.44	16,578
7-Aug-12	Sep'12	2,398	9,467.50	22,703.07	19,399	29-Jan-13	Jul'13	2,181	9,677.50	21,106.63	16,485
8-Aug-12	Sep'12	2,447	9,470.50	23,174.31	19,869	30-Jan-13	Jul'13	2,213	9,687.50	21,438.44	16,815
9-Aug-12	Sep'12	2,463	9,471.50	23,328.30	20,038	31-Jan-13	Jul'13	2,196	9,697.50	21,295.71	16,681
10-Aug-12	Sep'12	2,463	9,477.50	23,343.08	20,025	1-Feb-13	Jul'13	2,216	9,712.50	21,522.90	16,924
13-Aug-12	Sep'12	2,446	9,485.00	23,200.31	19,870	4-Feb-13	Jul'13	2,215	9,670.50	21,420.16	17,943
14-Aug-12	Sep'12	2,388	9,482.50	22,644.21	19,341	5-Feb-13	Jul'13	2,206	9,675.50	21,344.15	17,862
15-Aug-12	Sep'12	2,430	9,497.50	23,078.93	19,748	6-Feb-13	Jul'13	2,257	9,710.00	21,915.47	18,365
16-Aug-12	Sep'12	2,429	9,490.00	23,051.21	19,746	7-Feb-13	Jul'13	2,236	9,692.50	21,672.43	18,215
19-Apr-12	Des'12	2,279	9,179.00	20,918.94	16,474	8-Feb-13	Jul'13	2,244	9,667.00	21,692.75	18,285
20-Apr-12	Des'12	2,258	9,183.50	20,736.34	16,277	11-Feb-13	Jul'13	2,236	9,620.00	21,510.32	18,176
23-Apr-12	Des'12	2,289	9,186.50	21,027.90	16,582	12-Feb-13	Jul'13	2,181	9,645.50	21,036.84	17,572
24-Apr-12	Des'12	2,228	9,192.50	20,480.89	16,031	13-Feb-13	Jul'13	2,179	9,646.50	21,019.72	17,639
25-Apr-12	Des'12	2,303	9,197.50	21,181.84	16,731	14-Feb-13	Jul'13	2,179	9,659.50	21,048.05	17,329
26-Apr-12	Des'12	2,272	9,185.00	20,868.32	16,436	21-Feb-13	Jul'13	2,126	9,702.50	20,627.52	17,106
27-Apr-12	Des'12	2,291	9,189.00	21,052.00	16,619	25-Feb-13	Jul'13	2,149	9,705.00	20,856.05	17,377
30-Apr-12	Des'12	2,326	9,190.50	21,377.10	16,942	26-Feb-13	Jul'13	2,153	9,707.00	20,899.17	17,401
1-May-12	Des'12	2,243	9,192.50	20,618.78	17,182	27-Feb-13	Jul'13	2,137	9,685.50	20,697.91	17,189
2-May-12	Des'12	2,333	9,198.00	21,458.93	18,101	28-Feb-13	Jul'13	2,142	9,663.50	20,699.22	17,217
3-May-12	Des'12	2,360	9,190.00	21,688.40	18,318	1-Mar-13	Jul'13	2,143	9,677.50	20,738.88	17,275
4-May-12	Des'12	2,327	9,190.00	21,385.13	18,040	4-Mar-13	Jul'13	2,092	9,706.00	20,304.95	16,807
7-May-12	Des'12	2,312	9,195.00	21,258.84	17,887	5-Mar-13	Jul'13	2,068	9,692.50	20,044.09	16,557
8-May-12	Des'12	2,380	9,195.00	21,884.10	18,505	6-Mar-13	Jul'13	2,070	9,687.50	20,053.13	16,553
9-May-12	Des'12	2,348	9,230.00	21,672.04	18,229	7-Mar-13	Jul'13	2,053	9,692.50	19,898.70	16,407
10-May-12	Des'12	2,356	9,180.00	21,628.08	18,346	8-Mar-13	Jul'13	2,073	9,684.50	20,075.97	16,915
11-May-12	Des'12	2,359	9,190.00	21,679.21	18,250	11-Mar-13	Jul'13	2,130	9,697.00	20,654.61	17,148
14-May-12	Des'12	2,337	9,235.00	21,582.20	18,154	13-Mar-13	Jul'13	2,168	9,690.50	21,009.00	17,534
15-May-12	Des'12	2,280	9,240.00	21,067.20	17,705	14-Mar-13	Jul'13	2,158	9,702.50	20,938.00	17,436
16-May-12	Des'12	2,291	9,242.00	21,173.42	17,799	18-Mar-13	Jul'13	2,129	9,711.00	20,674.72	17,152
21-May-12	Des'12	2,293	9,250.00	21,210.25	17,822	19-Mar-13	Jul'13	2,104	9,712.00	20,434.05	16,867
22-May-12	Des'12	2,256	9,227.50	20,817.24	17,492	20-Mar-13	Jul'13	2,114	9,724.00	20,556.54	17,006
23-May-12	Des'12	2,205	9,260.00	20,418.30	16,964	21-Mar-13	Jul'13	2,165	9,733.00	21,071.95	17,526
24-May-12	Des'12	2,157	9,265.00	19,984.61	16,463	22-Mar-13	Jul'13	2,179	9,742.50	21,228.91	17,693
25-May-12	Des'12	2,137	9,287.50	19,847.39	16,339	25-Mar-13	Jul'13	2,172	9,734.00	21,142.25	17,598

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
28-May-12	Des'12	2,138	9,330.00	19,947.54	16,588	26-Mar-13	Jul'13	2,145	9,731.50	20,874.07	17,346
29-May-12	Des'12	2,138	9,395.00	20,086.51	16,676	27-Mar-13	Jul'13	2,160	9,724.50	21,004.92	17,466
30-May-12	Des'12	2,136	9,435.00	20,153.16	16,843	28-Mar-13	Jul'13	2,163	9,717.50	21,018.95	17,494
31-May-12	Des'12	2,098	9,400.00	19,721.20	16,452	1-Apr-13	Jul'13	2,185	9,737.50	21,276.44	17,718
1-Jun-12	Des'12	2,104	9,387.50	19,751.30	16,174	2-Apr-13	Jul'13	2,200	9,737.00	21,421.40	17,858
4-Jun-12	Des'12	2,084	9,400.00	19,589.60	16,210	3-Apr-13	Jul'13	2,189	9,747.00	21,336.18	17,742
5-Jun-12	Des'12	2,116	9,402.50	19,895.69	16,503	4-Apr-13	Jul'13	2,169	9,749.00	21,145.58	17,548
6-Jun-12	Des'12	2,182	9,300.00	20,292.60	17,160	5-Apr-13	Jul'13	2,159	9,747.00	21,043.77	17,468
7-Jun-12	Des'12	2,201	9,370.00	20,623.37	17,372	8-Apr-13	Jul'13	2,153	9,748.50	20,988.52	17,383
8-Jun-12	Des'12	2,218	9,385.00	20,815.93	17,696	9-Apr-13	Jul'13	2,206	9,720.00	21,442.32	17,878
11-Jun-12	Des'12	2,196	9,405.00	20,653.38	17,451	10-Apr-13	Jul'13	2,233	9,690.00	21,637.77	18,114
12-Jun-12	Des'12	2,187	9,405.00	20,568.74	17,450	11-Apr-13	Jul'13	2,231	9,703.00	21,647.39	18,058
13-Jun-12	Des'12	2,238	9,420.00	21,081.96	17,955	12-Apr-13	Jul'13	2,245	9,712.50	21,804.56	18,294
14-Jun-12	Des'12	2,267	9,420.00	21,355.14	18,055	15-Apr-13	Jul'13	2,268	9,712.00	22,026.82	18,556
15-Jun-12	Des'12	2,273	9,385.00	21,332.11	17,753	16-Apr-13	Jul'13	2,267	9,717.00	22,028.44	18,406
18-Jun-12	Des'12	2,255	9,387.50	21,168.81	17,904	17-Apr-13	Jul'13	2,316	9,710.00	22,488.36	18,876
19-Jun-12	Des'12	2,201	9,405.00	20,700.41	17,356	18-Apr-13	Jul'13	2,317	9,714.50	22,508.50	18,902
20-Jun-12	Des'12	2,245	9,420.00	21,147.90	17,838	19-Apr-13	Jul'13	2,319	9,712.50	22,523.29	18,874
21-Jun-12	Des'12	2,181	9,430.00	20,566.83	17,231	22-Apr-13	Jul'13	2,333	9,717.50	22,670.93	19,261
22-Jun-12	Des'12	2,157	9,437.50	20,356.69	17,023	24-Apr-13	Jul'13	2,327	9,717.50	22,612.62	19,230
25-Jun-12	Des'12	2,115	9,440.00	19,965.60	16,609	25-Apr-13	Jul'13	2,326	9,718.00	22,604.07	19,199
26-Jun-12	Des'12	2,115	9,440.00	19,965.60	16,591	26-Apr-13	Jul'13	2,360	9,720.50	22,940.38	19,539
27-Jun-12	Des'12	2,161	9,445.00	20,410.65	17,046	29-Apr-13	Jul'13	2,364	9,720.50	22,979.26	19,578
28-Jun-12	Des'12	2,242	9,445.00	21,175.69	17,841	30-Apr-13	Jul'13	2,335	9,722.50	22,702.04	19,298
29-Jun-12	Des'12	2,243	9,392.50	21,067.38	17,822	1-May-13	Jul'13	2,368	9,722.50	23,022.88	19,635
2-Jul-12	Des'12	2,304	9,395.00	21,646.08	18,247	2-May-13	Jul'13	2,415	9,737.00	23,514.86	20,088
3-Jul-12	Des'12	2,305	9,324.00	21,491.82	18,290	3-May-13	Jul'13	2,414	9,734.50	23,499.08	20,103
4-Jul-12	Des'12	2,361	9,342.50	22,057.64	18,730	6-May-13	Jul'13	2,416	9,734.50	23,518.55	20,106
5-Jul-12	Des'12	2,361	9,384.00	22,155.62	18,766	7-May-13	Jul'13	2,402	9,734.50	23,382.27	19,989
6-Jul-12	Des'12	2,337	9,442.00	22,065.95	18,599	8-May-13	Jul'13	2,396	9,730.00	23,313.08	19,916
9-Jul-12	Des'12	2,265	9,410.00	21,313.65	17,951	10-May-13	Jul'13	2,349	9,734.00	22,865.17	19,379
10-Jul-12	Des'12	2,331	9,430.00	21,981.33	18,593	13-May-13	Jul'13	2,300	9,737.50	22,396.25	18,993
12-Jul-12	Des'12	2,307	9,445.00	21,789.62	18,375	14-May-13	Jul'13	2,326	9,737.50	22,649.43	19,236
13-Jul-12	Des'12	2,207	9,447.50	20,850.63	17,434	15-May-13	Jul'13	2,353	9,747.50	22,935.87	19,525
16-Jul-12	Des'12	2,233	9,450.00	21,101.85	17,686	16-May-13	Jul'13	2,344	9,750.00	22,854.00	19,442
17-Jul-12	Des'12	2,216	9,440.00	20,919.04	17,498	17-May-13	Jul'13	2,294	9,755.50	22,379.12	18,979
18-Jul-12	Des'12	2,212	9,450.00	20,903.40	17,459	20-May-13	Jul'13	2,300	9,757.50	22,442.25	19,032
19-Jul-12	Des'12	2,221	9,447.50	20,982.90	17,557	21-May-13	Jul'13	2,301	9,762.50	22,463.51	19,052
20-Jul-12	Des'12	2,244	9,450.00	21,205.80	17,819	23-May-13	Jul'13	2,317	9,771.50	22,640.57	19,225
23-Jul-12	Des'12	2,245	9,455.00	21,226.48	17,837	24-May-13	Jul'13	2,283	9,772.50	22,310.62	18,889
24-Jul-12	Des'12	2,254	9,467.50	21,339.75	17,913	27-May-13	Jul'13	2,246	9,790.00	21,988.34	18,566
25-Jul-12	Des'12	2,229	9,482.50	21,136.49	17,642	28-May-13	Jul'13	2,246	9,792.50	21,993.96	18,600
26-Jul-12	Des'12	2,246	9,477.50	21,286.47	17,847	29-May-13	Jul'13	2,205	9,802.50	21,614.51	18,198
27-Jul-12	Des'12	2,326	9,455.00	21,992.33	18,648	30-May-13	Jul'13	2,210	9,805.00	21,669.05	18,248
30-Jul-12	Des'12	2,342	9,455.00	22,143.61	18,780	31-May-13	Jul'13	2,211	9,795.00	21,656.75	18,242
31-Jul-12	Des'12	2,353	9,445.00	22,224.09	18,885	3-Jun-13	Jul'13	2,191	9,805.00	21,482.76	18,060
1-Aug-12	Des'12	2,388	9,442.50	22,548.69	19,182	4-Jun-13	Jul'13	2,246	9,800.00	22,010.80	18,590

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
2-Aug-12	Des'12	2,411	9,467.50	22,826.14	19,441	5-Jun-13	Jul'13	2,283	9,792.50	22,356.28	18,957
3-Aug-12	Des'12	2,383	9,467.50	22,561.05	19,150	7-Jun-13	Jul'13	2,363	9,805.00	23,169.22	19,707
6-Aug-12	Des'12	2,411	9,465.00	22,820.12	19,376	10-Jun-13	Jul'13	2,364	9,812.50	23,196.75	19,749
7-Aug-12	Des'12	2,409	9,467.50	22,807.21	19,399	11-Jun-13	Jul'13	2,360	9,825.00	23,187.00	19,740
8-Aug-12	Des'12	2,450	9,470.50	23,202.73	19,869	12-Jun-13	Jul'13	2,355	9,860.00	23,220.30	19,761
9-Aug-12	Des'12	2,469	9,471.50	23,385.13	20,038	13-Jun-13	Jul'13	2,372	9,882.50	23,441.29	19,992
10-Aug-12	Des'12	2,477	9,477.50	23,475.77	20,025	14-Jun-13	Jul'13	2,308	9,872.50	22,785.73	19,357
13-Aug-12	Des'12	2,458	9,485.00	23,314.13	19,870	18-Jun-13	Jul'13	2,246	9,905.00	22,246.63	18,805
14-Aug-12	Des'12	2,299	9,482.50	21,800.27	19,341	19-Jun-13	Jul'13	2,246	9,907.50	22,252.25	18,789
15-Aug-12	Des'12	2,441	9,497.50	23,183.40	19,748	20-Jun-13	Jul'13	2,246	9,925.00	22,291.55	18,822
16-Aug-12	Des'12	2,436	9,490.00	23,117.64	19,746	21-Jun-13	Jul'13	2,246	9,925.00	22,291.55	18,884
23-Aug-12	Des'12	2,380	9,494.00	22,595.72	19,275	24-Jun-13	Jul'13	2,246	9,930.00	22,302.78	18,829
24-Aug-12	Des'12	2,385	9,505.00	22,669.43	19,341	25-Jun-13	Jul'13	2,246	9,920.00	22,280.32	18,861
27-Aug-12	Des'12	2,397	9,515.00	22,807.46	19,477	26-Jun-13	Jul'13	2,246	9,925.00	22,291.55	18,844
28-Aug-12	Des'12	2,473	9,535.00	23,580.06	20,243	27-Jun-13	Jul'13	2,246	9,925.00	22,291.55	18,841
29-Aug-12	Des'12	2,568	9,547.50	24,517.98	21,189	28-Jun-13	Jul'13	2,246	9,925.00	22,291.55	18,825
30-Aug-12	Des'12	2,574	9,545.00	24,568.83	21,290	21-Feb-13	Sep'13	2,137	9,702.50	20,734.24	17,106
31-Aug-12	Des'12	2,601	9,535.00	24,800.54	21,520	25-Feb-13	Sep'13	2,157	9,705.00	20,933.69	17,377
3-Sep-12	Des'12	2,610	9,535.00	24,886.35	21,662	26-Feb-13	Sep'13	2,162	9,707.00	20,986.53	17,401
4-Sep-12	Des'12	2,610	9,571.00	24,980.31	21,646	27-Feb-13	Sep'13	2,146	9,685.50	20,785.08	17,189
5-Sep-12	Des'12	2,521	9,570.00	24,125.97	21,103	28-Feb-13	Sep'13	2,151	9,663.50	20,786.19	17,217
6-Sep-12	Des'12	2,654	9,565.00	25,385.51	22,100	1-Mar-13	Sep'13	2,151	9,677.50	20,816.30	17,275
7-Sep-12	Des'12	2,691	9,570.00	25,752.87	22,457	4-Mar-13	Sep'13	2,102	9,706.00	20,402.01	16,807
10-Sep-12	Des'12	2,676	9,577.00	25,628.05	22,290	5-Mar-13	Sep'13	2,080	9,692.50	20,160.40	16,557
11-Sep-12	Des'12	2,653	9,577.50	25,409.11	22,083	6-Mar-13	Sep'13	2,083	9,687.50	20,179.06	16,553
12-Sep-12	Des'12	2,632	9,568.00	25,182.98	21,857	7-Mar-13	Sep'13	2,067	9,692.50	20,034.40	16,407
13-Sep-12	Des'12	2,631	9,577.50	25,198.40	20,587	8-Mar-13	Sep'13	2,086	9,684.50	20,201.87	16,915
14-Sep-12	Des'12	2,613	9,505.00	24,836.57	20,413	11-Mar-13	Sep'13	2,142	9,697.00	20,770.97	17,148
17-Sep-12	Des'12	2,642	9,462.50	24,999.93	20,411	13-Mar-13	Sep'13	2,179	9,690.50	21,115.60	17,534
18-Sep-12	Des'12	2,584	9,502.50	24,554.46	19,981	14-Mar-13	Sep'13	2,169	9,702.50	21,044.72	17,436
19-Sep-12	Des'12	2,532	9,537.50	24,148.95	19,623	18-Mar-13	Sep'13	2,143	9,711.00	20,810.67	17,152
21-Sep-12	Des'12	2,519	9,545.00	24,043.86	19,527	19-Mar-13	Sep'13	2,116	9,712.00	20,550.59	16,867
24-Sep-12	Des'12	2,521	9,562.50	24,107.06	19,550	20-Mar-13	Sep'13	2,127	9,724.00	20,682.95	17,006
25-Sep-12	Des'12	2,446	9,575.00	23,420.45	18,908	21-Mar-13	Sep'13	2,178	9,733.00	21,198.47	17,526
26-Sep-12	Des'12	2,483	9,585.00	23,799.56	19,245	22-Mar-13	Sep'13	2,191	9,742.50	21,345.82	17,693
27-Sep-12	Des'12	2,469	9,575.00	23,640.68	19,137	25-Mar-13	Sep'13	2,183	9,734.00	21,249.32	17,598
28-Sep-12	Des'12	2,482	9,570.00	23,752.74	19,252	26-Mar-13	Sep'13	2,155	9,731.50	20,971.38	17,346
1-Oct-12	Des'12	2,516	9,580.00	24,103.28	19,572	27-Mar-13	Sep'13	2,171	9,724.50	21,111.89	17,466
2-Oct-12	Des'12	2,450	9,580.00	23,471.00	18,950	28-Mar-13	Sep'13	2,175	9,717.50	21,135.56	17,494
3-Oct-12	Des'12	2,475	9,585.00	23,722.88	19,192	1-Apr-13	Sep'13	2,196	9,737.50	21,383.55	17,718
4-Oct-12	Des'12	2,416	9,590.00	23,169.44	18,645	2-Apr-13	Sep'13	2,210	9,737.00	21,518.77	17,858
5-Oct-12	Des'12	2,395	9,589.00	22,965.66	18,463	3-Apr-13	Sep'13	2,199	9,747.00	21,433.65	17,742
8-Oct-12	Des'12	2,382	9,591.00	22,845.76	18,345	4-Apr-13	Sep'13	2,181	9,749.00	21,262.57	17,548
9-Oct-12	Des'12	2,381	9,592.00	22,838.55	18,355	5-Apr-13	Sep'13	2,172	9,747.00	21,170.48	17,468
10-Oct-12	Des'12	2,417	9,592.00	23,183.86	18,662	8-Apr-13	Sep'13	2,166	9,748.50	21,115.25	17,383
11-Oct-12	Des'12	2,372	9,582.50	22,729.69	18,278	9-Apr-13	Sep'13	2,216	9,720.00	21,539.52	17,878
12-Oct-12	Des'12	2,351	9,577.50	22,516.70	18,091	10-Apr-13	Sep'13	2,243	9,690.00	21,734.67	18,114

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
15-Oct-12	Des'12	2,366	9,590.00	22,689.94	18,205	11-Apr-13	Sep'13	2,241	9,703.00	21,744.42	18,058
16-Oct-12	Des'12	2,354	9,585.00	22,563.09	18,080	12-Apr-13	Sep'13	2,250	9,712.50	21,853.13	18,294
17-Oct-12	Des'12	2,418	9,574.00	23,149.93	18,663	15-Apr-13	Sep'13	2,277	9,712.00	22,114.22	18,556
18-Oct-12	Des'12	2,385	9,588.00	22,867.38	18,362	16-Apr-13	Sep'13	2,277	9,717.00	22,125.61	18,406
19-Oct-12	Des'12	2,438	9,592.50	23,386.52	18,855	17-Apr-13	Sep'13	2,323	9,710.00	22,556.33	18,876
22-Oct-12	Des'12	2,489	9,605.00	23,906.85	19,326	18-Apr-13	Sep'13	2,325	9,714.50	22,586.21	18,902
23-Oct-12	Des'12	2,516	9,607.50	24,172.47	19,617	19-Apr-13	Sep'13	2,325	9,712.50	22,581.56	18,874
24-Oct-12	Des'12	2,498	9,610.00	24,005.78	19,452	22-Apr-13	Sep'13	2,340	9,717.50	22,738.95	19,261
29-Oct-12	Des'12	2,383	9,605.00	22,888.72	18,383	24-Apr-13	Sep'13	2,333	9,717.50	22,670.93	19,230
30-Oct-12	Des'12	2,350	9,615.00	22,595.25	18,081	25-Apr-13	Sep'13	2,334	9,718.00	22,681.81	19,199
31-Oct-12	Des'12	2,390	9,605.00	22,955.95	18,013	26-Apr-13	Sep'13	2,368	9,720.50	23,018.14	19,539
1-Nov-12	Des'12	2,388	9,620.00	22,972.56	18,472	29-Apr-13	Sep'13	2,371	9,720.50	23,047.31	19,578
2-Nov-12	Des'12	2,420	9,615.00	23,268.30	18,472	30-Apr-13	Sep'13	2,344	9,722.50	22,789.54	19,298
5-Nov-12	Des'12	2,447	9,620.00	23,540.14	19,012	1-May-13	Sep'13	2,376	9,722.50	23,100.66	19,635
7-Nov-12	Des'12	2,462	9,605.00	23,647.51	19,153	2-May-13	Sep'13	2,421	9,737.00	23,573.28	20,088
8-Nov-12	Des'12	2,399	9,630.00	23,102.37	18,592	3-May-13	Sep'13	2,420	9,734.50	23,557.49	20,103
9-Nov-12	Des'12	2,337	9,620.00	22,481.94	18,015	6-May-13	Sep'13	2,426	9,734.50	23,615.90	20,106
12-Nov-12	Des'12	2,358	9,620.00	22,683.96	18,211	7-May-13	Sep'13	2,412	9,734.50	23,479.61	19,989
13-Nov-12	Des'12	2,381	9,625.00	22,917.13	18,425	8-May-13	Sep'13	2,404	9,730.00	23,390.92	19,916
14-Nov-12	Des'12	2,395	9,625.00	23,051.88	18,556	10-May-13	Sep'13	2,357	9,734.00	22,943.04	19,379
19-Nov-12	Des'12	2,398	9,630.00	23,092.74	18,585	13-May-13	Sep'13	2,308	9,737.50	22,474.15	18,993
20-Nov-12	Des'12	2,421	9,633.00	23,321.49	18,794	14-May-13	Sep'13	2,334	9,737.50	22,727.33	19,236
						15-May-13	Sep'13	2,358	9,747.50	22,984.61	19,525
						16-May-13	Sep'13	2,350	9,750.00	22,912.50	19,442
						17-May-13	Sep'13	2,301	9,755.50	22,447.41	18,979
						20-May-13	Sep'13	2,307	9,757.50	22,510.55	19,032
						21-May-13	Sep'13	2,307	9,762.50	22,522.09	19,052
						23-May-13	Sep'13	2,321	9,771.50	22,679.65	19,225
						24-May-13	Sep'13	2,288	9,772.50	22,359.48	18,889
						27-May-13	Sep'13	2,254	9,790.00	22,066.66	18,566
						28-May-13	Sep'13	2,254	9,792.50	22,072.30	18,600
						29-May-13	Sep'13	2,213	9,802.50	21,692.93	18,198
						30-May-13	Sep'13	2,218	9,805.00	21,747.49	18,248
						31-May-13	Sep'13	2,221	9,795.00	21,754.70	18,242
						3-Jun-13	Sep'13	2,200	9,805.00	21,571.00	18,060
						4-Jun-13	Sep'13	2,249	9,800.00	22,040.20	18,590
						5-Jun-13	Sep'13	2,284	9,792.50	22,366.07	18,957
						7-Jun-13	Sep'13	2,365	9,805.00	23,188.83	19,707
						10-Jun-13	Sep'13	2,368	9,812.50	23,236.00	19,749
						11-Jun-13	Sep'13	2,368	9,825.00	23,265.60	19,740
						12-Jun-13	Sep'13	2,364	9,860.00	23,309.04	19,761
						13-Jun-13	Sep'13	2,378	9,882.50	23,500.59	19,992
						14-Jun-13	Sep'13	2,310	9,872.50	22,805.48	19,357
						18-Jun-13	Sep'13	2,215	9,905.00	21,939.58	18,805
						19-Jun-13	Sep'13	2,210	9,907.50	21,895.58	18,789
						20-Jun-13	Sep'13	2,216	9,925.00	21,993.80	18,822
						21-Jun-13	Sep'13	2,157	9,925.00	21,408.23	18,884

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
						24-Jun-13	Sep'13	2,151	9,930.00	21,359.43	18,829
						25-Jun-13	Sep'13	2,149	9,920.00	21,318.08	18,861
						26-Jun-13	Sep'13	2,163	9,925.00	21,467.78	18,844
						27-Jun-13	Sep'13	2,165	9,925.00	21,487.63	18,841
						28-Jun-13	Sep'13	2,148	9,925.00	21,318.90	18,825
						1-Jul-13	Sep'13	2,164	9,927.50	21,483.11	18,020
						2-Jul-13	Sep'13	2,159	9,933.00	21,445.35	17,981
						3-Jul-13	Sep'13	2,178	9,940.00	21,649.32	18,172
						5-Jul-13	Sep'13	2,230	9,942.50	22,171.78	18,697
						8-Jul-13	Sep'13	2,204	9,955.00	21,940.82	18,466
						9-Jul-13	Sep'13	2,174	9,957.50	21,647.61	18,167
						10-Jul-13	Sep'13	2,186	9,965.00	21,783.49	18,305
						11-Jul-13	Sep'13	2,178	9,970.00	21,714.66	18,242
						12-Jul-13	Sep'13	2,239	9,992.50	22,373.21	18,852
						15-Jul-13	Sep'13	2,236	10,017.50	22,399.13	18,905
						16-Jul-13	Sep'13	2,221	10,035.00	22,287.74	18,777
						17-Jul-13	Sep'13	2,289	10,045.00	22,993.01	19,468
						18-Jul-13	Sep'13	2,300	10,060.00	23,138.00	18,635
						19-Jul-13	Sep'13	2,347	10,077.50	23,651.89	20,110
						22-Jul-13	Sep'13	2,364	10,065.00	23,793.66	20,277
						23-Jul-13	Sep'13	2,348	10,200.00	23,949.60	20,424
						24-Jul-13	Sep'13	2,359	10,260.00	24,203.34	20,616
						25-Jul-13	Sep'13	2,360	10,267.50	24,231.30	20,629
						26-Jul-13	Sep'13	2,347	10,265.00	24,091.96	20,499
						29-Jul-13	Sep'13	2,333	10,272.50	23,965.74	20,365
						30-Jul-13	Sep'13	2,288	10,272.50	23,503.48	19,835
						31-Jul-13	Sep'13	2,287	10,277.50	23,504.64	19,908
						1-Aug-13	Sep'13	2,298	10,280.00	23,623.44	20,041
						2-Aug-13	Sep'13	2,301	10,285.00	23,665.79	20,072
						12-Aug-13	Sep'13	2,463	10,290.00	25,344.27	21,736
						13-Aug-13	Sep'13	2,473	10,290.00	25,447.17	21,850
						14-Aug-13	Sep'13	2,428	10,292.50	24,990.19	21,397
						15-Aug-13	Sep'13	2,456	10,350.00	25,419.60	21,730
						16-Aug-13	Sep'13	2,436	10,385.00	25,297.86	21,678
						22-Apr-13	Des'13	2,346	9,717.50	22,797.26	19,261
						24-Apr-13	Des'13	2,339	9,717.50	22,729.23	19,230
						25-Apr-13	Des'13	2,340	9,718.00	22,740.12	19,199
						26-Apr-13	Des'13	2,374	9,720.50	23,076.47	19,539
						29-Apr-13	Des'13	2,378	9,720.50	23,115.35	19,578
						30-Apr-13	Des'13	2,351	9,722.50	22,857.60	19,298
						1-May-13	Des'13	2,381	9,722.50	23,149.27	19,635
						2-May-13	Des'13	2,427	9,737.00	23,631.70	20,088
						3-May-13	Des'13	2,426	9,734.50	23,615.90	20,103
						6-May-13	Des'13	2,433	9,734.50	23,684.04	20,106
						7-May-13	Des'13	2,422	9,734.50	23,576.96	19,989
						8-May-13	Des'13	2,413	9,730.00	23,478.49	19,916
						10-May-13	Des'13	2,366	9,734.00	23,030.64	19,379

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
						13-May-13	Des'13	2,318	9,737.50	22,571.53	18,993
						14-May-13	Des'13	2,343	9,737.50	22,814.96	19,236
						15-May-13	Des'13	2,363	9,747.50	23,033.34	19,525
						16-May-13	Des'13	2,356	9,750.00	22,971.00	19,442
						17-May-13	Des'13	2,307	9,755.50	22,505.94	18,979
						20-May-13	Des'13	2,312	9,757.50	22,559.34	19,032
						21-May-13	Des'13	2,312	9,762.50	22,570.90	19,052
						23-May-13	Des'13	2,326	9,771.50	22,728.51	19,225
						24-May-13	Des'13	2,394	9,772.50	23,395.37	18,889
						27-May-13	Des'13	2,260	9,790.00	22,125.40	18,566
						28-May-13	Des'13	2,260	9,792.50	22,131.05	18,600
						29-May-13	Des'13	2,220	9,802.50	21,761.55	18,198
						30-May-13	Des'13	2,226	9,805.00	21,825.93	18,248
						31-May-13	Des'13	2,230	9,795.00	21,842.85	18,242
						3-Jun-13	Des'13	2,209	9,805.00	21,659.25	18,060
						4-Jun-13	Des'13	2,255	9,800.00	22,099.00	18,590
						5-Jun-13	Des'13	2,289	9,792.50	22,415.03	18,957
						7-Jun-13	Des'13	2,368	9,805.00	23,218.24	19,707
						10-Jun-13	Des'13	2,370	9,812.50	23,255.63	19,749
						11-Jun-13	Des'13	2,370	9,825.00	23,285.25	19,740
						12-Jun-13	Des'13	2,367	9,860.00	23,338.62	19,761
						13-Jun-13	Des'13	2,381	9,882.50	23,530.23	19,992
						14-Jun-13	Des'13	2,314	9,872.50	22,844.97	19,357
						18-Jun-13	Des'13	2,224	9,905.00	22,028.72	18,805
						19-Jun-13	Des'13	2,217	9,907.50	21,964.93	18,789
						20-Jun-13	Des'13	2,225	9,925.00	22,083.13	18,822
						21-Jun-13	Des'13	2,166	9,925.00	21,497.55	18,884
						24-Jun-13	Des'13	2,160	9,930.00	21,448.80	18,829
						25-Jun-13	Des'13	2,157	9,920.00	21,397.44	18,861
						26-Jun-13	Des'13	2,170	9,925.00	21,537.25	18,844
						27-Jun-13	Des'13	2,175	9,925.00	21,586.88	18,841
						28-Jun-13	Des'13	2,159	9,925.00	21,428.08	18,825
						1-Jul-13	Des'13	2,173	9,927.50	21,572.46	18,020
						2-Jul-13	Des'13	2,168	9,933.00	21,534.74	17,981
						3-Jul-13	Des'13	2,189	9,940.00	21,758.66	18,172
						5-Jul-13	Des'13	2,241	9,942.50	22,281.14	18,697
						8-Jul-13	Des'13	2,215	9,955.00	22,050.33	18,466
						9-Jul-13	Des'13	2,184	9,957.50	21,747.18	18,167
						10-Jul-13	Des'13	2,195	9,965.00	21,873.18	18,305
						11-Jul-13	Des'13	2,190	9,970.00	21,834.30	18,242
						12-Jul-13	Des'13	2,251	9,992.50	22,493.12	18,852
						15-Jul-13	Des'13	2,246	10,017.50	22,499.31	18,905
						16-Jul-13	Des'13	2,231	10,035.00	22,388.09	18,777
						17-Jul-13	Des'13	2,298	10,045.00	23,083.41	19,468
						18-Jul-13	Des'13	2,309	10,060.00	23,228.54	18,635
						19-Jul-13	Des'13	2,354	10,077.50	23,722.44	20,110
						22-Jul-13	Des'13	2,370	10,065.00	23,854.05	20,277

Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penye- rahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
						23-Jul-13	Des'13	2,353	10,200.00	24,000.60	20,424
						24-Jul-13	Des'13	2,367	10,260.00	24,285.42	20,616
						25-Jul-13	Des'13	2,368	10,267.50	24,313.44	20,629
						26-Jul-13	Des'13	2,355	10,265.00	24,174.08	20,499
						29-Jul-13	Des'13	2,341	10,272.50	24,047.92	20,365
						30-Jul-13	Des'13	2,290	10,272.50	23,524.03	19,835
						31-Jul-13	Des'13	2,296	10,277.50	23,597.14	19,908
						1-Aug-13	Des'13	2,308	10,280.00	23,726.24	20,041
						2-Aug-13	Des'13	2,310	10,285.00	23,758.35	20,072
						12-Aug-13	Des'13	2,480	10,290.00	25,519.20	21,736
						13-Aug-13	Des'13	2,499	10,290.00	25,714.71	21,850
						14-Aug-13	Des'13	2,458	10,292.50	25,298.97	21,397
						15-Aug-13	Des'13	2,495	10,350.00	25,823.25	21,730
						16-Aug-13	Des'13	2,485	10,385.00	25,806.73	21,678
						19-Aug-13	Des'13	2,495	10,490.00	26,172.55	22,417
						20-Aug-13	Des'13	2,512	10,685.00	26,840.72	22,710
						21-Aug-13	Des'13	2,520	10,775.00	27,153.00	23,269
						22-Aug-13	Des'13	2,450	10,817.50	26,502.88	22,670
						23-Aug-13	Des'13	2,454	10,780.00	26,454.12	22,824
						26-Aug-13	Des'13	2,465	10,845.00	26,732.93	22,929
						27-Aug-13	Des'13	2,481	10,925.00	27,104.93	23,018
						28-Aug-13	Des'13	2,453	10,945.00	26,848.09	23,017
						29-Aug-13	Des'13	2,498	10,935.00	27,315.63	23,491
						30-Aug-13	Des'13	2,479	10,920.00	27,070.68	23,257
						2-Sep-13	Des'13	2,436	10,977.50	26,741.19	22,783
						3-Sep-13	Des'13	2,436	11,065.00	26,954.34	22,911
						4-Sep-13	Des'13	2,418	11,125.00	26,900.25	22,940
						5-Sep-13	Des'13	2,496	11,125.00	27,768.00	23,660
						6-Sep-13	Des'13	2,567	11,175.00	28,686.23	24,830
						9-Sep-13	Des'13	2,564	11,160.00	28,614.24	24,770
						10-Sep-13	Des'13	2,554	11,235.00	28,694.19	24,641
						11-Sep-13	Des'13	2,570	11,345.00	29,156.65	25,392
						12-Sep-13	Des'13	2,571	11,350.00	29,180.85	25,528
						13-Sep-13	Des'13	2,591	11,410.00	29,563.31	25,536
						17-Sep-13	Des'13	2,636	11,445.00	30,169.02	26,177
						18-Sep-13	Des'13	2,614	11,475.00	29,995.65	26,018
						19-Sep-13	Des'13	2,623	11,282.50	29,594.00	25,635
						20-Sep-13	Des'13	2,630	11,350.00	29,850.50	25,883
						23-Sep-13	Des'13	2,608	11,445.00	29,848.56	25,820
						24-Sep-13	Des'13	2,610	11,470.00	29,936.70	26,069
						25-Sep-13	Des'13	2,603	11,485.00	29,895.46	26,065
						26-Sep-13	Des'13	2,573	11,457.50	29,480.15	25,727
						27-Sep-13	Des'13	2,597	11,537.50	29,962.89	25,912
						30-Sep-13	Des'13	2,639	11,580.00	30,559.62	26,582
						1-Oct-13	Des'13	2,640	11,505.00	30,373.20	26,548
						2-Oct-13	Des'13	2,634	11,530.00	30,370.02	26,421
						3-Oct-13	Des'13	2,632	11,527.50	30,340.38	26,323

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
						4-Oct-13	Des'13	2,585	11,522.50	29,785.66	24,334
						7-Oct-13	Des'13	2,611	11,525.00	30,091.78	24,568
						8-Oct-13	Des'13	2,699	11,516.00	31,081.68	25,546
						9-Oct-13	Des'13	2,718	11,532.50	31,345.34	25,758
						10-Oct-13	Des'13	2,703	11,490.00	31,057.47	25,598
						11-Oct-13	Des'13	2,729	11,365.00	31,015.09	25,733
						16-Oct-13	Des'13	2,760	11,365.00	31,367.40	25,710
						17-Oct-13	Des'13	2,747	11,330.00	31,123.51	25,649
						18-Oct-13	Des'13	2,767	11,322.50	31,329.36	25,767
						21-Oct-13	Des'13	2,721	11,335.00	30,842.54	25,373
						22-Oct-13	Des'13	2,730	11,291.50	30,825.80	25,444
						23-Oct-13	Des'13	2,769	11,269.00	31,203.86	25,674
						24-Oct-13	Des'13	2,714	11,155.00	30,274.67	25,108
						25-Oct-13	Des'13	2,686	11,015.00	29,586.29	24,531
						28-Oct-13	Des'13	2,713	11,053.00	29,986.79	24,541
						29-Oct-13	Des'13	2,684	11,102.50	29,799.11	24,365
						30-Oct-13	Des'13	2,659	11,175.00	29,714.33	24,287
						31-Oct-13	Des'13	2,660	11,272.50	29,984.85	24,456
						1-Nov-13	Des'13	2,677	11,332.50	30,337.10	24,901
						4-Nov-13	Des'13	2,651	11,355.00	30,102.11	24,696
						6-Nov-13	Des'13	2,736	11,407.50	31,210.92	25,672
						7-Nov-13	Des'13	2,730	11,390.00	31,094.70	25,551
						8-Nov-13	Des'13	2,676	11,410.00	30,533.16	25,000
						11-Nov-13	Des'13	2,647	11,560.00	30,599.32	24,863
						12-Nov-13	Des'13	2,586	11,592.50	29,978.21	24,387
						13-Nov-13	Des'13	2,607	11,605.00	30,254.24	24,763
						14-Nov-13	Des'13	2,647	11,542.50	30,553.00	24,993
						15-Nov-13	Des'13	2,661	11,620.00	30,920.82	25,179

Sumber: BAPPEBTI, BBJ, dan Investing.com

Lampiran 10

Harga Harian Kakao Spot dan Kakao Futures 2014 dan 2015

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
1-Jul-13	Mar'14	2182	9,927.50	21,661.81	18020	18-Aug-14	Mar'15	3226	11,684.50	37,694.20	31899
2-Jul-13	Mar'14	2177	9,933.00	21,624.14	17981	19-Aug-14	Mar'15	3241	11,679.00	37,851.64	32090
3-Jul-13	Mar'14	2197	9,940.00	21,838.18	18172	20-Aug-14	Mar'15	3188	11,700.00	37,299.60	31536
5-Jul-13	Mar'14	2250	9,942.50	22,370.63	18697	21-Aug-14	Mar'15	3209	11,690.00	37,513.21	31808
8-Jul-13	Mar'14	2225	9,955.00	22,149.88	18466	22-Aug-14	Mar'15	3186	11,678.50	37,207.70	31349
9-Jul-13	Mar'14	2195	9,957.50	21,856.71	18167	25-Aug-14	Mar'15	3180	11,718.00	37,263.24	31444
10-Jul-13	Mar'14	2204	9,965.00	21,962.86	18305	26-Aug-14	Mar'15	3206	11,713.00	37,551.88	31725
11-Jul-13	Mar'14	2199	9,970.00	21,924.03	18242	27-Aug-14	Mar'15	3201	11,681.50	37,392.48	31672
12-Jul-13	Mar'14	2260	9,992.50	22,583.05	18852	28-Aug-14	Mar'15	3194	11,700.50	37,371.40	31547

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
15-Jul-13	Mar'14	2254	10,017.50	22,579.45	18905	29-Aug-14	Mar'15	3209	11,690.00	37,513.21	31830
16-Jul-13	Mar'14	2241	10,035.00	22,488.44	18777	1-Sep-14	Mar'15	3205	11,716.00	37,549.78	31823
17-Jul-13	Mar'14	2306	10,045.00	23,163.77	19468	2-Sep-14	Mar'15	3205	11,747.50	37,650.74	31888
18-Jul-13	Mar'14	2316	10,060.00	23,298.96	18635	3-Sep-14	Mar'15	3145	11,765.00	37,000.93	31299
19-Jul-13	Mar'14	2356	10,077.50	23,742.59	20110	4-Sep-14	Mar'15	3129	11,764.00	36,809.56	31031
22-Jul-13	Mar'14	2373	10,065.00	23,884.25	20277	5-Sep-14	Mar'15	3114	11,755.00	36,605.07	30901
23-Jul-13	Mar'14	2357	10,200.00	24,041.40	20424	8-Sep-14	Mar'15	3084	11,729.50	36,173.78	30441
24-Jul-13	Mar'14	2371	10,260.00	24,326.46	20616	9-Sep-14	Mar'15	3070	11,766.50	36,123.16	30479
25-Jul-13	Mar'14	2373	10,267.50	24,364.78	20629	10-Sep-14	Mar'15	3069	11,812.00	36,251.03	30256
26-Jul-13	Mar'14	2360	10,265.00	24,225.40	20499	11-Sep-14	Mar'15	3050	11,825.00	36,066.25	30286
29-Jul-13	Mar'14	2345	10,272.50	24,089.01	20365	12-Sep-14	Mar'15	3016	11,820.00	35,649.12	29892
30-Jul-13	Mar'14	2297	10,272.50	23,595.93	19835	15-Sep-14	Mar'15	3042	11,927.50	36,283.46	30285
19-Aug-13	Mar'14	2504	10,490.00	26,266.96	22417	16-Sep-14	Mar'15	3042	11,965.00	36,397.53	30402
20-Aug-13	Mar'14	2521	10,685.00	26,936.89	22710	17-Sep-14	Mar'15	3055	11,955.00	36,522.53	30562
21-Aug-13	Mar'14	2527	10,775.00	27,228.43	23269	18-Sep-14	Mar'15	3084	11,980.00	36,946.32	31241
22-Aug-13	Mar'14	2460	10,817.50	26,611.05	22670	19-Sep-14	Mar'15	3158	11,967.50	37,793.37	32149
23-Aug-13	Mar'14	2462	10,780.00	26,540.36	22824	22-Sep-14	Mar'15	3217	11,973.50	38,518.75	32876
26-Aug-13	Mar'14	2473	10,845.00	26,819.69	22929	23-Sep-14	Mar'15	3279	11,972.50	39,257.83	33703
27-Aug-13	Mar'14	2489	10,925.00	27,192.33	23018	24-Sep-14	Mar'15	3258	11,952.50	38,941.25	33319
28-Aug-13	Mar'14	2461	10,945.00	26,935.65	23017	25-Sep-14	Mar'15	3318	11,978.50	39,744.66	34078
29-Aug-13	Mar'14	2505	10,935.00	27,392.18	23491	26-Sep-14	Mar'15	3289	12,022.50	39,542.00	14249
30-Aug-13	Mar'14	2486	10,920.00	27,147.12	23257	29-Sep-14	Mar'15	3264	12,170.00	39,722.88	33881
2-Sep-13	Mar'14	2445	10,977.50	26,839.99	22783	30-Sep-14	Mar'15	3264	12,185.00	39,771.84	34138
3-Sep-13	Mar'14	2445	11,065.00	27,053.93	22911	1-Oct-14	Mar'15	3259	12,127.50	39,523.52	33944
4-Sep-13	Mar'14	2427	11,125.00	27,000.38	22940	2-Oct-14	Mar'15	3142	12,150.00	38,175.30	32323
5-Sep-13	Mar'14	2505	11,125.00	27,868.13	23660	3-Oct-14	Mar'15	3071	12,176.50	37,394.03	31398
6-Sep-13	Mar'14	2576	11,175.00	28,786.80	24830	6-Oct-14	Mar'15	3036	12,210.00	37,069.56	31180
9-Sep-13	Mar'14	2573	11,160.00	28,714.68	24770	8-Oct-14	Mar'15	3034	12,240.00	37,136.16	31196
10-Sep-13	Mar'14	2563	11,235.00	28,795.31	24641	9-Oct-14	Mar'15	3020	12,185.00	36,798.70	30915
11-Sep-13	Mar'14	2577	11,345.00	29,236.07	25392	10-Oct-14	Mar'15	3037	12,220.00	37,112.14	31179
12-Sep-13	Mar'14	2578	11,350.00	29,260.30	25528	13-Oct-14	Mar'15	3123	12,216.00	38,150.57	32325
13-Sep-13	Mar'14	2597	11,410.00	29,631.77	25536	14-Oct-14	Mar'15	3038	12,207.50	37,086.39	31171
17-Sep-13	Mar'14	2640	11,445.00	30,214.80	26177	15-Oct-14	Mar'15	3079	12,225.00	37,640.78	31031
18-Sep-13	Mar'14	2619	11,475.00	30,053.03	26018	16-Oct-14	Mar'15	3122	12,247.50	38,236.70	32292
19-Sep-13	Mar'14	2627	11,282.50	29,639.13	25635	17-Oct-14	Mar'15	3122	12,106.50	37,796.49	32331
20-Sep-13	Mar'14	2635	11,350.00	29,907.25	25883	20-Oct-14	Mar'15	3122	12,032.50	37,565.47	31853
23-Sep-13	Mar'14	2614	11,445.00	29,917.23	25820	21-Oct-14	Mar'15	3100	12,000.00	37,200.00	31350
24-Sep-13	Mar'14	2615	11,470.00	29,994.05	26069	22-Oct-14	Mar'15	3089	12,012.50	37,106.61	31322
25-Sep-13	Mar'14	2606	11,485.00	29,929.91	26065	23-Oct-14	Mar'15	3090	12,060.00	37,265.40	31377
26-Sep-13	Mar'14	2577	11,457.50	29,525.98	25727	24-Oct-14	Mar'15	3097	12,066.00	37,368.40	31538
27-Sep-13	Mar'14	2600	11,537.50	29,997.50	25912	27-Oct-14	Mar'15	3035	12,112.50	36,761.44	30677
30-Sep-13	Mar'14	2642	11,580.00	30,594.36	26582	28-Oct-14	Mar'15	2957	12,170.00	35,986.69	30048

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
1-Oct-13	Mar'14	2643	11,505.00	30,407.72	26548	29-Oct-14	Mar'15	2913	12,080.00	35,189.04	29518
2-Oct-13	Mar'14	2637	11,530.00	30,404.61	26421	30-Oct-14	Mar'15	2925	12,125.00	35,465.63	29684
3-Oct-13	Mar'14	2636	11,527.50	30,386.49	26323	31-Oct-14	Mar'15	2939	12,085.00	35,517.82	29585
4-Oct-13	Mar'14	2592	11,522.50	29,866.32	24334	3-Nov-14	Mar'15	2893	12,107.50	35,027.00	29101
7-Oct-13	Mar'14	2617	11,525.00	30,160.93	24568	4-Nov-14	Mar'15	2856	12,107.50	34,579.02	28723
8-Oct-13	Mar'14	2700	11,516.00	31,093.20	25546	5-Nov-14	Mar'15	2850	12,142.50	34,606.13	28587
9-Oct-13	Mar'14	2716	11,532.50	31,322.27	25758	10-Nov-14	Mar'15	2883	12,152.50	35,035.66	29065
10-Oct-13	Mar'14	2702	11,490.00	31,045.98	25598	11-Nov-14	Mar'15	2894	12,205.00	35,321.27	29194
11-Oct-13	Mar'14	2729	11,365.00	31,015.09	25733	12-Nov-14	Mar'15	2919	12,198.50	35,607.42	29585
16-Oct-13	Mar'14	2787	11,365.00	31,674.26	25710	13-Nov-14	Mar'15	2867	12,202.50	34,984.57	28752
17-Oct-13	Mar'14	2743	11,330.00	31,078.19	25649	14-Nov-14	Mar'15	2821	12,211.00	34,447.23	28173
18-Oct-13	Mar'14	2766	11,322.50	31,318.04	25767	17-Nov-14	Mar'15	2797	12,204.50	34,135.99	28131
21-Oct-13	Mar'14	2721	11,335.00	30,842.54	25373	18-Nov-14	Mar'15	2828	12,150.00	34,360.20	28380
22-Oct-13	Mar'14	2728	11,291.50	30,803.21	25444	19-Nov-14	Mar'15	2809	12,147.50	34,122.33	28110
23-Oct-13	Mar'14	2766	11,269.00	31,170.05	25674	20-Nov-14	Mar'15	2835	12,175.00	34,516.13	28496
24-Oct-13	Mar'14	2716	11,155.00	30,296.98	25108	21-Nov-14	Mar'15	2829	12,148.50	34,368.11	28427
25-Oct-13	Mar'14	2690	11,015.00	29,630.35	24531	24-Nov-14	Mar'15	2822	12,151.50	34,291.53	28255
28-Oct-13	Mar'14	2718	11,053.00	30,042.05	24541	25-Nov-14	Mar'15	2866	12,164.00	34,862.02	28866
29-Oct-13	Mar'14	2691	11,102.50	29,876.83	24365	26-Nov-14	Mar'15	2824	12,175.00	34,382.20	28367
30-Oct-13	Mar'14	2667	11,175.00	29,803.73	24287	27-Nov-14	Mar'15	2871	12,177.00	34,960.17	28955
31-Oct-13	Mar'14	2670	11,272.50	30,097.58	24456	28-Nov-14	Mar'15	2871	12,204.00	35,037.68	28995
1-Nov-13	Mar'14	2688	11,332.50	30,461.76	24901	1-Dec-14	Mar'15	2843	12,272.50	34,890.72	28831
4-Nov-13	Mar'14	2662	11,355.00	30,227.01	24696	2-Dec-14	Mar'15	2896	12,270.00	35,533.92	29477
6-Nov-13	Mar'14	2745	11,407.50	31,313.59	25672	3-Dec-14	Mar'15	2859	12,298.50	35,161.41	29091
7-Nov-13	Mar'14	2743	11,390.00	31,242.77	25551	4-Dec-14	Mar'15	2852	12,307.50	35,100.99	29063
8-Nov-13	Mar'14	2693	11,410.00	30,727.13	25000	5-Dec-14	Mar'15	2865	12,296.50	35,229.47	29163
11-Nov-13	Mar'14	2671	11,560.00	30,876.76	24863	8-Dec-14	Mar'15	2890	12,348.50	35,687.17	29589
12-Nov-13	Mar'14	2601	11,592.50	30,152.09	24387	9-Dec-14	Mar'15	2903	12,329.50	35,792.54	29730
13-Nov-13	Mar'14	2622	11,605.00	30,428.31	24763	10-Dec-14	Mar'15	2952	12,336.50	36,417.35	30277
14-Nov-13	Mar'14	2665	11,542.50	30,760.76	24993	11-Dec-14	Mar'15	2933	12,348.50	36,218.15	30055
15-Nov-13	Mar'14	2680	11,620.00	31,141.60	25179	12-Dec-14	Mar'15	2854	12,457.50	35,553.71	29356
18-Nov-13	Mar'14	2730	11,632.50	31,756.73	26906	15-Dec-14	Mar'15	2857	12,697.50	36,276.76	29786
19-Nov-13	Mar'14	2780	11,597.50	32,241.05	26596	16-Dec-14	Mar'15	2873	12,680.00	36,429.64	30694
20-Nov-13	Mar'14	2795	11,657.50	32,582.71	26812	17-Dec-14	Mar'15	2914	12,657.50	36,883.96	30761
21-Nov-13	Mar'14	2810	11,702.50	32,884.03	27178	18-Dec-14	Mar'15	2915	12,562.50	36,619.69	30398
22-Nov-13	Mar'14	2794	11,695.00	32,675.83	26974	19-Dec-14	Mar'15	2965	12,485.00	37,018.03	30834
25-Nov-13	Mar'14	2799	11,747.50	32,881.25	27067	22-Dec-14	Mar'15	2980	12,439.00	37,068.22	30851
26-Nov-13	Mar'14	2803	11,762.50	32,970.29	27311	23-Dec-14	Mar'15	2986	12,450.00	37,175.70	30974
27-Nov-13	Mar'14	2769	11,885.00	32,909.57	26940	24-Dec-14	Mar'15	2966	12,467.50	36,978.61	30765
28-Nov-13	Mar'14	2766	12,015.00	33,233.49	27173	29-Dec-14	Mar'15	2941	12,447.00	36,606.63	30388
29-Nov-13	Mar'14	2766	11,962.50	33,088.28	27280	30-Dec-14	Mar'15	2964	12,446.50	36,891.43	30665
2-Dec-13	Mar'14	2788	11,770.00	32,814.76	27459	31-Dec-14	Mar'15	2972	12,385.00	36,808.22	30769

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
3-Dec-13	Mar'14	2813	11,885.00	33,432.51	27473	2-Jan-15	Mar'15	2910	12,542.50	36,498.68	30118
4-Dec-13	Mar'14	2808	11,985.00	33,653.88	27718	5-Jan-15	Mar'15	2927	12,627.50	36,960.69	30599
5-Dec-13	Mar'14	2769	11,962.50	33,124.16	27408	6-Jan-15	Mar'15	2944	12,657.50	37,263.68	30972
6-Dec-13	Mar'14	2754	11,962.50	32,944.73	27105	7-Jan-15	Mar'15	2902	12,738.50	36,967.13	30645
9-Dec-13	Mar'14	2803	11,972.50	33,558.92	27652	8-Jan-15	Mar'15	2912	12,680.00	36,924.16	30763
10-Dec-13	Mar'14	2751	11,985.00	32,970.74	27127	9-Jan-15	Mar'15	2986	12,651.50	37,777.38	31432
11-Dec-13	Mar'14	2773	11,990.00	33,248.27	27424	12-Jan-15	Mar'15	2968	12,597.50	37,389.38	31038
12-Dec-13	Mar'14	2755	12,022.50	33,121.99	27264	13-Jan-15	Mar'15	2994	12,597.50	37,716.92	31448
13-Dec-13	Mar'14	2787	12,117.50	33,771.47	27758	14-Jan-15	Mar'15	2991	12,613.00	37,725.48	31342
16-Dec-13	Mar'14	2774	12,105.00	33,579.27	27664	15-Jan-15	Mar'15	2992	12,560.00	37,579.52	31447
17-Dec-13	Mar'14	2774	12,122.50	33,627.82	27686	16-Jan-15	Mar'15	2927	12,587.50	36,843.61	31207
18-Dec-13	Mar'14	2771	12,165.00	33,709.22	27734	19-Jan-15	Mar'15	2942	12,618.50	37,123.63	30835
19-Dec-13	Mar'14	2770	12,207.50	33,814.78	27814	20-Jan-15	Mar'15	2942	12,584.00	37,022.13	30950
20-Dec-13	Mar'14	2791	12,212.50	34,085.09	28181	21-Jan-15	Mar'15	2925	12,480.00	36,504.00	30498
23-Dec-13	Mar'14	2819	12,192.50	34,370.66	28509	22-Jan-15	Mar'15	2852	12,487.50	35,614.35	29377
24-Dec-13	Mar'14	2808	12,200.00	34,257.60	28309	23-Jan-15	Mar'15	2801	12,472.50	34,935.47	28757
27-Dec-13	Mar'14	2783	12,260.00	34,119.58	28123	26-Jan-15	Mar'15	2755	12,510.00	34,465.05	28379
30-Dec-13	Mar'14	2785	12,210.00	34,004.85	28169	27-Jan-15	Mar'15	2737	12,476.50	34,148.18	28111
31-Dec-13	Mar'14	2712	12,170.00	33,005.04	27138	28-Jan-15	Mar'15	2743	12,486.00	34,249.10	28194
2-Jan-14	Mar'14	2709	12,160.00	32,941.44	27221	29-Jan-15	Mar'15	2715	12,567.50	34,120.76	27899
3-Jan-14	Mar'14	2636	12,170.00	32,080.12	26337	30-Jan-15	Mar'15	2686	12,667.50	34,024.91	27796
6-Jan-14	Mar'14	2699	12,180.00	32,873.82	27078	2-Feb-15	Mar'15	2693	12,685.00	34,160.71	28046
7-Jan-14	Mar'14	2667	12,237.50	32,637.41	26776	3-Feb-15	Mar'15	2672	12,654.00	33,811.49	27668
8-Jan-14	Mar'14	2675	12,235.00	32,728.63	26797	4-Feb-15	Mar'15	2691	12,625.00	33,973.88	27821
9-Jan-14	Mar'14	2700	12,190.00	32,913.00	27163	5-Feb-15	Mar'15	2724	12,632.50	34,410.93	28315
10-Jan-14	Mar'14	2684	12,161.50	32,641.47	26831	6-Feb-15	Mar'15	2743	12,614.50	34,601.57	28453
13-Jan-14	Mar'14	2712	12,050.00	32,679.60	26821	9-Feb-15	Mar'15	2775	12,647.50	35,096.81	28987
15-Jan-14	Mar'14	2752	12,085.00	33,257.92	27347	10-Feb-15	Mar'15	2867	12,672.50	36,332.06	30012
16-Jan-14	Mar'14	2748	12,117.50	33,298.89	27392	11-Feb-15	Mar'15	2863	12,715.00	36,403.05	30097
17-Jan-14	Mar'14	2753	12,090.00	33,283.77	27472	12-Feb-15	Mar'15	2879	12,792.50	36,829.61	30514
20-Jan-14	Mar'14	2700	12,110.00	32,697.00	26824	13-Feb-15	Mar'15	2955	12,787.50	37,787.06	31377
21-Jan-14	Mar'14	2700	12,132.50	32,757.75	26850	17-Nov-14	Mei'15	2793	12,204.50	34,087.17	28131
22-Jan-14	Mar'14	2679	12,140.00	32,523.06	26668	18-Nov-14	Mei'15	2821	12,150.00	34,275.15	28380
23-Jan-14	Mar'14	2697	12,165.00	32,809.01	27477	19-Nov-14	Mei'15	2805	12,147.50	34,073.74	28110
24-Jan-14	Mar'14	2791	12,180.00	33,994.38	28025	20-Nov-14	Mei'15	2832	12,175.00	34,479.60	28496
27-Jan-14	Mar'14	2792	12,230.00	34,146.16	28085	21-Nov-14	Mei'15	2828	12,148.50	34,355.96	28427
28-Jan-14	Mar'14	2889	12,190.00	35,216.91	29374	24-Nov-14	Mei'15	2820	12,151.50	34,267.23	28255
29-Jan-14	Mar'14	2905	12,165.00	35,339.33	29288	25-Nov-14	Mei'15	2863	12,164.00	34,825.53	28866
4-Feb-14	Mar'14	2914	12,202.50	35,558.09	29619	26-Nov-14	Mei'15	2824	12,175.00	34,382.20	28367
5-Feb-14	Mar'14	2877	12,192.50	35,077.82	29008	27-Nov-14	Mei'15	2869	12,177.00	34,935.81	28955
6-Feb-14	Mar'14	2884	12,185.00	35,141.54	29058	28-Nov-14	Mei'15	2869	12,204.00	35,013.28	28995
7-Feb-14	Mar'14	2886	12,160.00	35,093.76	29121	1-Dec-14	Mei'15	2841	12,272.50	34,866.17	28831

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
10-Feb-14	Mar'14	2922	12,172.50	35,568.05	29513	2-Dec-14	Mei'15	2891	12,270.00	35,472.57	29477
11-Feb-14	Mar'14	2910	12,145.00	35,341.95	29394	3-Dec-14	Mei'15	2855	12,298.50	35,112.22	29091
12-Feb-14	Mar'14	2915	12,085.00	35,227.78	29309	4-Dec-14	Mei'15	2847	12,307.50	35,039.45	29063
13-Feb-14	Mar'14	2941	11,975.00	35,218.48	29506	5-Dec-14	Mei'15	2859	12,296.50	35,155.69	29163
14-Feb-14	Mar'14	2929	11,825.00	34,635.43	28913	8-Dec-14	Mei'15	2881	12,348.50	35,576.03	29589
18-Nov-13	Mei'14	2730	11,632.50	31,756.73	26906	9-Dec-14	Mei'15	2891	12,329.50	35,644.58	29730
19-Nov-13	Mei'14	2777	11,597.50	32,206.26	26596	10-Dec-14	Mei'15	2935	12,336.50	36,207.63	30277
20-Nov-13	Mei'14	2791	11,657.50	32,536.08	26812	11-Dec-14	Mei'15	2917	12,348.50	36,020.57	30055
21-Nov-13	Mei'14	2810	11,702.50	32,884.03	27178	12-Dec-14	Mei'15	2845	12,457.50	35,441.59	29356
22-Nov-13	Mei'14	2794	11,695.00	32,675.83	26974	15-Dec-14	Mei'15	2846	12,697.50	36,137.09	29786
25-Nov-13	Mei'14	2797	11,747.50	32,857.76	27067	16-Dec-14	Mei'15	2860	12,680.00	36,264.80	30694
26-Nov-13	Mei'14	2801	11,762.50	32,946.76	27311	17-Dec-14	Mei'15	2900	12,657.50	36,706.75	30761
27-Nov-13	Mei'14	2771	11,885.00	32,933.34	26940	18-Dec-14	Mei'15	2900	12,562.50	36,431.25	30398
28-Nov-13	Mei'14	2766	12,015.00	33,233.49	27173	19-Dec-14	Mei'15	2943	12,485.00	36,743.36	30834
29-Nov-13	Mei'14	2766	11,962.50	33,088.28	27280	22-Dec-14	Mei'15	2954	12,439.00	36,744.81	30851
2-Dec-13	Mei'14	2789	11,770.00	32,826.53	27459	23-Dec-14	Mei'15	2964	12,450.00	36,901.80	30974
3-Dec-13	Mei'14	2814	11,885.00	33,444.39	27473	24-Dec-14	Mei'15	2946	12,467.50	36,729.26	30765
4-Dec-13	Mei'14	2811	11,985.00	33,689.84	27718	29-Dec-14	Mei'15	2920	12,447.00	36,345.24	30388
5-Dec-13	Mei'14	2773	11,962.50	33,172.01	27408	30-Dec-14	Mei'15	2942	12,446.50	36,617.60	30665
6-Dec-13	Mei'14	2763	11,962.50	33,052.39	27105	31-Dec-14	Mei'15	2953	12,385.00	36,572.91	30769
9-Dec-13	Mei'14	2807	11,972.50	33,606.81	27652	2-Jan-15	Mei'15	2892	12,542.50	36,272.91	30118
10-Dec-13	Mei'14	2756	11,985.00	33,030.66	27127	5-Jan-15	Mei'15	2911	12,627.50	36,758.65	30599
11-Dec-13	Mei'14	2778	11,990.00	33,308.22	27424	6-Jan-15	Mei'15	2927	12,657.50	37,048.50	30972
12-Dec-13	Mei'14	2759	12,022.50	33,170.08	27264	7-Jan-15	Mei'15	2887	12,738.50	36,776.05	30645
13-Dec-13	Mei'14	2785	12,117.50	33,747.24	27758	8-Jan-15	Mei'15	2895	12,680.00	36,708.60	30763
16-Dec-13	Mei'14	2773	12,105.00	33,567.17	27664	9-Jan-15	Mei'15	2963	12,651.50	37,486.39	31432
17-Dec-13	Mei'14	2773	12,122.50	33,615.69	27686	12-Jan-15	Mei'15	2944	12,597.50	37,087.04	31038
18-Dec-13	Mei'14	2772	12,165.00	33,721.38	27734	13-Jan-15	Mei'15	2973	12,597.50	37,452.37	31448
19-Dec-13	Mei'14	2772	12,207.50	33,839.19	27814	14-Jan-15	Mei'15	2973	12,613.00	37,498.45	31342
20-Dec-13	Mei'14	2793	12,212.50	34,109.51	28181	15-Jan-15	Mei'15	2978	12,560.00	37,403.68	31447
23-Dec-13	Mei'14	2817	12,192.50	34,346.27	28509	16-Jan-15	Mei'15	2965	12,587.50	37,321.94	31207
24-Dec-13	Mei'14	2811	12,200.00	34,294.20	28309	19-Jan-15	Mei'15	2933	12,618.50	37,010.06	30835
27-Dec-13	Mei'14	2786	12,260.00	34,156.36	28123	20-Jan-15	Mei'15	2933	12,584.00	36,908.87	30950
30-Dec-13	Mei'14	2791	12,210.00	34,078.11	28169	21-Jan-15	Mei'15	2918	12,480.00	36,416.64	30498
31-Dec-13	Mei'14	2719	12,170.00	33,090.23	27138	22-Jan-15	Mei'15	2851	12,487.50	35,601.86	29377
2-Jan-14	Mei'14	2716	12,160.00	33,026.56	27221	23-Jan-15	Mei'15	2799	12,472.50	34,910.53	28757
3-Jan-14	Mei'14	2642	12,170.00	32,153.14	26337	26-Jan-15	Mei'15	2756	12,510.00	34,477.56	28379
6-Jan-14	Mei'14	2704	12,180.00	32,934.72	27078	27-Jan-15	Mei'15	2741	12,476.50	34,198.09	28111
7-Jan-14	Mei'14	2672	12,237.50	32,698.60	26776	28-Jan-15	Mei'15	2746	12,486.00	34,286.56	28194
8-Jan-14	Mei'14	2682	12,235.00	32,814.27	26797	29-Jan-15	Mei'15	2719	12,567.50	34,171.03	27899
9-Jan-14	Mei'14	2707	12,190.00	32,998.33	27163	30-Jan-15	Mei'15	2696	12,667.50	34,151.58	27796
10-Jan-14	Mei'14	2690	12,161.50	32,714.44	26831	2-Feb-15	Mei'15	2698	12,685.00	34,224.13	28046

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
13-Jan-14	Mei'14	2718	12,050.00	32,751.90	26821	3-Feb-15	Mei'15	2677	12,654.00	33,874.76	27668
15-Jan-14	Mei'14	2759	12,085.00	33,342.52	27347	4-Feb-15	Mei'15	2705	12,625.00	34,150.63	27821
16-Jan-14	Mei'14	2756	12,117.50	33,395.83	27392	5-Feb-15	Mei'15	2730	12,632.50	34,486.73	28315
17-Jan-14	Mei'14	2761	12,090.00	33,380.49	27472	6-Feb-15	Mei'15	2755	12,614.50	34,752.95	28453
20-Jan-14	Mei'14	2709	12,110.00	32,805.99	26824	9-Feb-15	Mei'15	2782	12,647.50	35,185.35	28987
21-Jan-14	Mei'14	2709	12,132.50	32,866.94	26850	10-Feb-15	Mei'15	2866	12,672.50	36,319.39	30012
22-Jan-14	Mei'14	2687	12,140.00	32,620.18	26668	11-Feb-15	Mei'15	2868	12,715.00	36,466.62	30097
23-Jan-14	Mei'14	2707	12,165.00	32,930.66	27477	12-Feb-15	Mei'15	2884	12,792.50	36,893.57	30514
24-Jan-14	Mei'14	2799	12,180.00	34,091.82	28025	13-Feb-15	Mei'15	2919	12,787.50	37,326.71	31377
27-Jan-14	Mei'14	2801	12,230.00	34,256.23	28085	16-Feb-15	Mei'15	2931	12,752.50	37,377.58	31020
28-Jan-14	Mei'14	2897	12,190.00	35,314.43	29374	17-Feb-15	Mei'15	2931	12,769.50	37,427.40	31056
29-Jan-14	Mei'14	2915	12,165.00	35,460.98	29288	18-Feb-15	Mei'15	2942	12,842.50	37,782.64	31304
4-Feb-14	Mei'14	2926	12,202.50	35,704.52	29619	20-Feb-15	Mei'15	2975	12,812.50	38,117.19	31817
5-Feb-14	Mei'14	2891	12,192.50	35,248.52	29008	23-Feb-15	Mei'15	2979	12,834.50	38,233.98	31777
6-Feb-14	Mei'14	2898	12,185.00	35,312.13	29058	24-Feb-15	Mei'15	3001	12,897.50	38,705.40	32177
7-Feb-14	Mei'14	2904	12,160.00	35,312.64	29121	25-Feb-15	Mei'15	3017	12,873.50	38,839.35	32426
10-Feb-14	Mei'14	2940	12,172.50	35,787.15	29513	26-Feb-15	Mei'15	2959	12,837.50	37,986.16	31654
11-Feb-14	Mei'14	2929	12,145.00	35,572.71	29394	27-Feb-15	Mei'15	2981	12,925.00	38,529.43	31925
12-Feb-14	Mei'14	2928	12,085.00	35,384.88	29309	2-Mar-15	Mei'15	3016	12,970.00	39,117.52	32680
13-Feb-14	Mei'14	2971	11,975.00	35,577.73	29506	3-Mar-15	Mei'15	3006	12,965.00	38,972.79	32479
14-Feb-14	Mei'14	2958	11,825.00	34,978.35	28913	4-Mar-15	Mei'15	3022	12,982.50	39,233.12	32678
17-Feb-14	Mei'14	2967	11,785.00	34,966.10	28923	5-Mar-15	Mei'15	3007	12,990.00	39,060.93	32642
18-Feb-14	Mei'14	2967	11,835.00	35,114.45	29194	6-Mar-15	Mei'15	2996	12,980.00	38,888.08	32408
19-Feb-14	Mei'14	2959	11,770.00	34,827.43	29163	9-Mar-15	Mei'15	2945	13,050.00	38,432.25	31936
20-Feb-14	Mei'14	2934	11,812.50	34,657.88	28692	10-Mar-15	Mei'15	2934	13,091.50	38,410.46	31829
21-Feb-14	Mei'14	2976	11,740.00	34,938.24	29211	11-Mar-15	Mei'15	2913	13,190.50	38,423.93	31822
24-Feb-14	Mei'14	2950	11,647.50	34,360.13	28763	12-Mar-15	Mei'15	2855	13,182.50	37,636.04	31125
25-Feb-14	Mei'14	2958	11,667.50	34,512.47	28586	13-Mar-15	Mei'15	2838	13,195.00	37,447.41	30947
26-Feb-14	Mei'14	2921	11,640.00	34,000.44	28202	16-Mar-15	Mei'15	2818	13,242.00	37,315.96	30804
27-Feb-14	Mei'14	2932	11,665.00	34,201.78	28433	17-Mar-15	Mei'15	2791	13,167.50	36,750.49	30400
28-Feb-14	Mei'14	2955	11,609.00	34,304.60	28688	18-Mar-15	Mei'15	2788	13,170.00	36,717.96	30259
6-Mar-14	Mei'14	2970	11,472.50	34,073.33	28556	19-Mar-15	Mei'15	2758	13,035.00	35,950.53	29529
7-Mar-14	Mei'14	2961	11,439.50	33,872.36	28065	20-Mar-15	Mei'15	2715	13,116.00	35,609.94	29147
10-Mar-14	Mei'14	2981	11,365.00	33,879.07	28416	23-Mar-15	Mei'15	2790	13,019.50	36,324.41	29964
11-Mar-14	Mei'14	2984	11,395.00	34,002.68	28287	24-Mar-15	Mei'15	2757	12,905.00	35,579.09	29435
12-Mar-14	Mei'14	3006	11,425.00	34,343.55	28645	25-Mar-15	Mei'15	2783	12,986.00	36,140.04	29664
13-Mar-14	Mei'14	2946	11,382.50	33,532.85	27883	26-Mar-15	Mei'15	2786	13,019.00	36,270.93	29864
14-Mar-14	Mei'14	3006	11,355.00	34,133.13	28618	27-Mar-15	Mei'15	2760	13,065.00	36,059.40	29681
17-Mar-14	Mei'14	2992	11,292.50	33,787.16	28094	30-Mar-15	Mei'15	2744	13,075.00	35,877.80	29532
18-Mar-14	Mei'14	3030	11,320.00	34,299.60	28527	31-Mar-15	Mei'15	2695	13,075.00	35,237.13	28919
19-Mar-14	Mei'14	3014	11,314.00	34,100.40	28433	1-Apr-15	Mei'15	2699	13,042.50	35,201.71	28878
20-Mar-14	Mei'14	3025	11,445.00	34,621.13	28788	2-Apr-15	Mei'15	2748	13,002.50	35,730.87	29388

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
21-Mar-14	Mei'14	2974	11,422.50	33,970.52	28295	6-Apr-15	Mei'15	2768	12,958.50	35,869.13	29503
24-Mar-14	Mei'14	2957	11,380.00	33,650.66	27995	7-Apr-15	Mei'15	2800	12,985.00	36,358.00	29988
25-Mar-14	Mei'14	2940	11,392.50	33,493.95	27745	8-Apr-15	Mei'15	2785	12,955.00	36,079.68	29849
26-Mar-14	Mei'14	2949	11,410.00	33,648.09	27967	9-Apr-15	Mei'15	2807	12,898.00	36,204.69	30054
27-Mar-14	Mei'14	2963	11,447.50	33,918.94	28193	10-Apr-15	Mei'15	2792	12,915.00	36,058.68	29724
28-Mar-14	Mei'14	2955	11,360.00	33,568.80	28022	13-Apr-15	Mei'15	2807	12,985.00	36,448.90	29989
1-Apr-14	Mei'14	2955	11,312.50	33,428.44	27696	14-Apr-15	Mei'15	2799	12,980.50	36,332.42	29969
2-Apr-14	Mei'14	2943	11,292.50	33,233.83	27645	15-Apr-15	Mei'15	2848	12,900.50	36,740.62	30566
3-Apr-14	Mei'14	2917	11,321.00	33,023.36	27383	16-Apr-15	Mei'15	2817	12,856.00	36,215.35	29863
4-Apr-14	Mei'14	2917	11,316.50	33,010.23	27383	17-Apr-15	Mei'15	2870	12,850.00	36,879.50	30569
7-Apr-14	Mei'14	2966	11,305.00	33,530.63	27841	21-Apr-15	Mei'15	2780	12,957.50	36,021.85	29650
8-Apr-14	Mei'14	2959	11,288.50	33,402.67	27832	16-Feb-15	Jul'15	2915	12,752.50	37,173.54	31020
10-Apr-14	Mei'14	3011	11,354.00	34,186.89	28474	17-Feb-15	Jul'15	2915	12,769.50	37,223.09	31056
11-Apr-14	Mei'14	2970	11,412.50	33,895.13	28299	18-Feb-15	Jul'15	2925	12,842.50	37,564.31	31304
14-Apr-14	Mei'14	2987	11,440.00	34,171.28	28469	20-Feb-15	Jul'15	2956	12,812.50	37,873.75	31817
15-Apr-14	Mei'14	2979	11,430.00	34,049.97	28357	23-Feb-15	Jul'15	2962	12,834.50	38,015.79	31777
16-Apr-14	Mei'14	2951	11,434.50	33,743.21	28063	24-Feb-15	Jul'15	2984	12,897.50	38,486.14	32177
17-Apr-14	Mei'14	2951	11,420.00	33,700.42	28013	25-Feb-15	Jul'15	2999	12,873.50	38,607.63	32426
17-Feb-14	Jul'14	2974	11,785.00	35,048.59	28923	26-Feb-15	Jul'15	2948	12,837.50	37,844.95	31654
18-Feb-14	Jul'14	2974	11,835.00	35,197.29	29194	27-Feb-15	Jul'15	2965	12,925.00	38,322.63	31925
19-Feb-14	Jul'14	2964	11,770.00	34,886.28	29163	2-Mar-15	Jul'15	2998	12,970.00	38,884.06	32680
20-Feb-14	Jul'14	2941	11,812.50	34,740.56	28692	3-Mar-15	Jul'15	2990	12,965.00	38,765.35	32479
21-Feb-14	Jul'14	2981	11,740.00	34,996.94	29211	4-Mar-15	Jul'15	3006	12,982.50	39,025.40	32678
24-Feb-14	Jul'14	2956	11,647.50	34,430.01	28763	5-Mar-15	Jul'15	2990	12,990.00	38,840.10	32642
25-Feb-14	Jul'14	2965	11,667.50	34,594.14	28586	6-Mar-15	Jul'15	2980	12,980.00	38,680.40	32408
26-Feb-14	Jul'14	2928	11,640.00	34,081.92	28202	9-Mar-15	Jul'15	2930	13,050.00	38,236.50	31936
27-Feb-14	Jul'14	2940	11,665.00	34,295.10	28433	10-Mar-15	Jul'15	2019	13,091.50	26,431.74	31829
28-Feb-14	Jul'14	2963	11,609.00	34,397.47	28688	11-Mar-15	Jul'15	2898	13,190.50	38,226.07	31822
6-Mar-14	Jul'14	2977	11,472.50	34,153.63	28556	12-Mar-15	Jul'15	2844	13,182.50	37,491.03	31125
7-Mar-14	Jul'14	2966	11,439.50	33,929.56	28065	13-Mar-15	Jul'15	2830	13,195.00	37,341.85	30947
10-Mar-14	Jul'14	2987	11,365.00	33,947.26	28416	16-Mar-15	Jul'15	2810	13,242.00	37,210.02	30804
11-Mar-14	Jul'14	2990	11,395.00	34,071.05	28287	17-Mar-15	Jul'15	2783	13,167.50	36,645.15	30400
12-Mar-14	Jul'14	3011	11,425.00	34,400.68	28645	18-Mar-15	Jul'15	2782	13,170.00	36,638.94	30259
13-Mar-14	Jul'14	2954	11,382.50	33,623.91	27883	19-Mar-15	Jul'15	2751	13,035.00	35,859.29	29529
14-Mar-14	Jul'14	3013	11,355.00	34,212.62	28618	20-Mar-15	Jul'15	2709	13,116.00	35,531.24	29147
17-Mar-14	Jul'14	3000	11,292.50	33,877.50	28094	23-Mar-15	Jul'15	2783	13,019.50	36,233.27	29964
18-Mar-14	Jul'14	3038	11,320.00	34,390.16	28527	24-Mar-15	Jul'15	2752	12,905.00	35,514.56	29435
19-Mar-14	Jul'14	3022	11,314.00	34,190.91	28433	25-Mar-15	Jul'15	2779	12,986.00	36,088.09	29664
20-Mar-14	Jul'14	2034	11,445.00	23,279.13	28788	26-Mar-15	Jul'15	2782	13,019.00	36,218.86	29864
21-Mar-14	Jul'14	2983	11,422.50	34,073.32	28295	27-Mar-15	Jul'15	2758	13,065.00	36,033.27	29681
24-Mar-14	Jul'14	2965	11,380.00	33,741.70	27995	30-Mar-15	Jul'15	2743	13,075.00	35,864.73	29532
25-Mar-14	Jul'14	2949	11,392.50	33,596.48	27745	31-Mar-15	Jul'15	2696	13,075.00	35,250.20	28919

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
26-Mar-14	Jul'14	2961	11,410.00	33,785.01	27967	1-Apr-15	Jul'15	2699	13,042.50	35,201.71	28878
27-Mar-14	Jul'14	2975	11,447.50	34,056.31	28193	2-Apr-15	Jul'15	2738	13,002.50	35,600.85	29388
28-Mar-14	Jul'14	2969	11,360.00	33,727.84	28022	6-Apr-15	Jul'15	2766	12,958.50	35,843.21	29503
1-Apr-14	Jul'14	2968	11,312.50	33,575.50	27696	7-Apr-15	Jul'15	2798	12,985.00	36,332.03	29988
2-Apr-14	Jul'14	2959	11,292.50	33,414.51	27645	8-Apr-15	Jul'15	2778	12,955.00	35,988.99	29849
3-Apr-14	Jul'14	2935	11,321.00	33,227.14	27383	9-Apr-15	Jul'15	2801	12,898.00	36,127.30	30054
4-Apr-14	Jul'14	2936	11,316.50	33,225.24	27383	10-Apr-15	Jul'15	2789	12,915.00	36,019.94	29724
7-Apr-14	Jul'14	2983	11,305.00	33,722.82	27841	13-Apr-15	Jul'15	2801	12,985.00	36,370.99	29989
8-Apr-14	Jul'14	2973	11,288.50	33,560.71	27832	14-Apr-15	Jul'15	2802	12,980.50	36,371.36	29969
10-Apr-14	Jul'14	3026	11,354.00	34,357.20	28474	15-Apr-15	Jul'15	2847	12,900.50	36,727.72	30566
11-Apr-14	Jul'14	2983	11,412.50	34,043.49	28299	16-Apr-15	Jul'15	2822	12,856.00	36,279.63	29863
14-Apr-14	Jul'14	2999	11,440.00	34,308.56	28469	17-Apr-15	Jul'15	2874	12,850.00	36,930.90	30569
15-Apr-14	Jul'14	2996	11,430.00	34,244.28	28357	20-Apr-15	Jul'15	2841	12,890.00	36,620.49	30243
16-Apr-14	Jul'14	2981	11,434.50	34,086.24	28063	21-Apr-15	Jul'15	2776	12,957.50	35,970.02	29650
17-Apr-14	Jul'14	2974	11,420.00	33,963.08	28013	22-Apr-15	Jul'15	2775	12,900.00	35,797.50	29612
21-Apr-14	Jul'14	3030	11,445.00	34,678.35	28792	23-Apr-15	Jul'15	2782	12,955.00	36,040.81	29668
22-Apr-14	Jul'14	3004	11,520.00	34,606.08	28759	24-Apr-15	Jul'15	2802	12,919.50	36,200.44	29918
23-Apr-14	Jul'14	3996	11,630.00	46,473.48	29041	27-Apr-15	Jul'15	2885	12,980.00	37,447.30	30893
24-Apr-14	Jul'14	3008	11,600.00	34,892.80	29108	28-Apr-15	Jul'15	2922	12,980.00	37,927.56	31483
25-Apr-14	Jul'14	2979	11,564.50	34,450.65	28771	29-Apr-15	Jul'15	2924	12,940.00	37,836.56	31474
2-May-14	Jul'14	2922	11,522.50	33,668.75	27988	30-Apr-15	Jul'15	2941	12,962.50	38,122.71	31617
5-May-14	Jul'14	2917	11,517.50	33,596.55	27870	4-May-15	Jul'15	2877	12,980.00	37,343.46	31031
6-May-14	Jul'14	2927	11,517.00	33,710.26	27979	5-May-15	Jul'15	2875	13,047.50	37,511.56	30940
7-May-14	Jul'14	2920	11,575.00	33,799.00	27941	6-May-15	Jul'15	2943	13,035.00	38,362.01	31894
8-May-14	Jul'14	2899	11,560.00	33,512.44	27945	7-May-15	Jul'15	2919	13,145.00	38,370.26	31657
9-May-14	Jul'14	2894	11,530.00	33,367.82	27743	8-May-15	Jul'15	2929	13,127.50	38,450.45	31908
12-May-14	Jul'14	2864	11,521.00	32,996.14	27350	11-May-15	Jul'15	2945	13,155.00	38,741.48	32105
13-May-14	Jul'14	2865	11,536.50	33,052.07	27334	12-May-15	Jul'15	3006	13,198.00	39,673.19	33083
14-May-14	Jul'14	2901	11,445.50	33,203.40	27637	13-May-15	Jul'15	3037	13,137.50	39,898.59	33434
19-May-14	Jul'14	2917	11,417.50	33,304.85	27482	15-May-15	Jul'15	3088	13,091.00	40,425.01	33819
20-May-14	Jul'14	2930	11,487.50	33,658.38	27842	18-May-15	Jul'15	3133	13,137.00	41,158.22	34447
21-May-14	Jul'14	2969	11,507.50	34,165.77	28418	19-May-15	Jul'15	3140	13,115.50	41,182.67	34711
22-May-14	Jul'14	2981	11,530.50	34,372.42	28580	20-May-15	Jul'15	3145	13,175.00	41,435.38	34674
23-May-14	Jul'14	3001	11,610.00	34,841.61	28911	21-May-15	Jul'15	3125	13,129.50	41,029.69	34437
26-May-14	Jul'14	3022	11,577.50	34,987.21	29326	22-May-15	Jul'15	3163	13,155.00	41,609.27	34874
28-May-14	Jul'14	3031	11,630.00	35,250.53	29375	25-May-15	Jul'15	3153	13,186.50	41,577.03	34882
30-May-14	Jul'14	3046	11,675.00	35,562.05	29535	26-May-15	Jul'15	3153	13,210.00	41,651.13	34897
2-Jun-14	Jul'14	3071	11,765.00	36,130.32	30142	27-May-15	Jul'15	3150	13,202.00	41,586.30	34958
3-Jun-14	Jul'14	3069	11,784.00	36,165.10	30289	28-May-15	Jul'15	3134	13,221.50	41,436.18	34693
4-Jun-14	Jul'14	3070	11,890.00	36,502.30	30310	29-May-15	Jul'15	3118	13,224.00	41,232.43	34508
5-Jun-14	Jul'14	3088	11,855.00	36,608.24	30678	1-Jun-15	Jul'15	3085	13,222.50	40,791.41	34143
6-Jun-14	Jul'14	3092	11,835.00	36,593.82	30591	3-Jun-15	Jul'15	3112	13,221.00	41,143.75	34394

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
9-Jun-14	Jul'14	3079	11,775.50	36,256.76	30360	4-Jun-15	Jul'15	3125	13,282.00	41,506.25	34680
10-Jun-14	Jul'14	3077	11,810.00	36,339.37	30379	5-Jun-15	Jul'15	3115	13,275.50	41,353.18	34677
11-Jun-14	Jul'14	3087	11,810.00	36,457.47	30483	8-Jun-15	Jul'15	3116	13,379.50	41,690.52	44885
12-Jun-14	Jul'14	3120	11,788.00	36,778.56	30879	9-Jun-15	Jul'15	3116	13,302.50	41,450.59	34890
13-Jun-14	Jul'14	3121	11,794.50	36,810.63	30807	10-Jun-15	Jul'15	3107	13,312.50	41,361.94	34577
16-Jun-14	Jul'14	3122	11,817.50	36,894.24	30904	11-Jun-15	Jul'15	3128	13,320.50	41,666.52	34747
17-Jun-14	Jul'14	3126	11,892.50	37,175.96	31078	12-Jun-15	Jul'15	3094	13,332.50	41,250.76	34382
18-Jun-14	Jul'14	3126	11,996.50	37,501.06	31379	15-Jun-15	Jul'15	3140	13,335.00	41,871.90	35006
19-Jun-14	Jul'14	3126	11,934.00	37,305.68	31216	16-Jun-15	Jul'15	3207	13,353.00	42,823.07	35854
20-Jun-14	Jul'14	3126	11,971.50	37,422.91	31350	17-Jun-15	Jul'15	3234	13,367.50	43,230.50	36289
21-Apr-14	Sep'14	3028	11,445.00	34,655.46	28792	18-Jun-15	Jul'15	3234	13,305.00	43,028.37	36218
22-Apr-14	Sep'14	3013	11,520.00	34,709.76	28759	19-Jun-15	Jul'15	3234	13,331.50	43,114.07	36881
23-Apr-14	Sep'14	3016	11,630.00	35,076.08	29041	20-Apr-15	Sep'15	2833	12,890.00	36,517.37	30243
24-Apr-14	Sep'14	3019	11,600.00	35,020.40	29108	22-Apr-15	Sep'15	2772	12,900.00	35,758.80	29612
25-Apr-14	Sep'14	2990	11,564.50	34,577.86	28771	23-Apr-15	Sep'15	2776	12,955.00	35,963.08	29668
2-May-14	Sep'14	2934	11,522.50	33,807.02	27988	24-Apr-15	Sep'15	2795	12,919.50	36,110.00	29918
5-May-14	Sep'14	2928	11,517.50	33,723.24	27870	27-Apr-15	Sep'15	2872	12,980.00	37,278.56	30893
6-May-14	Sep'14	2938	11,517.00	33,836.95	27979	28-Apr-15	Sep'15	2908	12,980.00	37,745.84	31483
7-May-14	Sep'14	2932	11,575.00	33,937.90	27941	29-Apr-15	Sep'15	2915	12,940.00	37,720.10	31474
8-May-14	Sep'14	2911	11,560.00	33,651.16	27945	30-Apr-15	Sep'15	2928	12,962.50	37,954.20	31617
9-May-14	Sep'14	2908	11,530.00	33,529.24	27743	4-May-15	Sep'15	2869	12,980.00	37,239.62	31031
12-May-14	Sep'14	2876	11,521.00	33,134.40	27350	5-May-15	Sep'15	2867	13,047.50	37,407.18	30940
13-May-14	Sep'14	2878	11,536.50	33,202.05	27334	6-May-15	Sep'15	2929	13,035.00	38,179.52	31894
14-May-14	Sep'14	2914	11,445.50	33,352.19	27637	7-May-15	Sep'15	2907	13,145.00	38,212.52	31657
19-May-14	Sep'14	2929	11,417.50	33,441.86	27482	8-May-15	Sep'15	2916	13,127.50	38,279.79	31908
20-May-14	Sep'14	2941	11,487.50	33,784.74	27842	11-May-15	Sep'15	2931	13,155.00	38,557.31	32105
21-May-14	Sep'14	2978	11,507.50	34,269.34	28418	12-May-15	Sep'15	2991	13,198.00	39,475.22	33083
22-May-14	Sep'14	2999	11,530.50	34,579.97	28580	13-May-15	Sep'15	3025	13,137.50	39,740.94	33434
23-May-14	Sep'14	3010	11,610.00	34,946.10	28911	15-May-15	Sep'15	3075	13,091.00	40,254.83	33819
26-May-14	Sep'14	3031	11,577.50	35,091.40	29326	18-May-15	Sep'15	3119	13,137.00	40,974.30	34447
28-May-14	Sep'14	3039	11,630.00	35,343.57	29375	19-May-15	Sep'15	3125	13,115.50	40,985.94	34711
30-May-14	Sep'14	3047	11,675.00	35,573.73	29535	20-May-15	Sep'15	3130	13,175.00	41,237.75	34674
2-Jun-14	Sep'14	3070	11,765.00	36,118.55	30142	21-May-15	Sep'15	3110	13,129.50	40,832.75	34437
3-Jun-14	Sep'14	3072	11,784.00	36,200.45	30289	22-May-15	Sep'15	3149	13,155.00	41,425.10	34874
4-Jun-14	Sep'14	3074	11,890.00	36,549.86	30310	25-May-15	Sep'15	3137	13,186.50	41,366.05	34882
5-Jun-14	Sep'14	3087	11,855.00	36,596.39	30678	26-May-15	Sep'15	3137	13,210.00	41,439.77	34897
6-Jun-14	Sep'14	3087	11,835.00	36,534.65	30591	27-May-15	Sep'15	3136	13,202.00	41,401.47	34958
9-Jun-14	Sep'14	3079	11,775.50	36,256.76	30360	28-May-15	Sep'15	3126	13,221.50	41,330.41	34693
10-Jun-14	Sep'14	3080	11,810.00	36,374.80	30379	29-May-15	Sep'15	3110	13,224.00	41,126.64	34508
11-Jun-14	Sep'14	3085	11,810.00	36,433.85	30483	1-Jun-15	Sep'15	3078	13,222.50	40,698.86	34143
12-Jun-14	Sep'14	3102	11,788.00	36,566.38	30879	3-Jun-15	Sep'15	3109	13,221.00	41,104.09	34394
13-Jun-14	Sep'14	3102	11,794.50	36,586.54	30807	4-Jun-15	Sep'15	3124	13,282.00	41,492.97	34680

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
16-Jun-14	Sep'14	3103	11,817.50	36,669.70	30904	5-Jun-15	Sep'15	3116	13,275.50	41,366.46	34677
17-Jun-14	Sep'14	3106	11,892.50	36,938.11	31078	9-Jun-15	Sep'15	3117	13,302.50	41,463.89	44885
18-Jun-14	Sep'14	3106	11,996.50	37,261.13	31379	8-Jun-15	Sep'15	3113	13,379.50	41,650.38	34890
19-Jun-14	Sep'14	3118	11,934.00	37,210.21	31216	10-Jun-15	Sep'15	3110	13,312.50	41,401.88	34577
20-Jun-14	Sep'14	3116	11,971.50	37,303.19	31350	11-Jun-15	Sep'15	3135	13,320.50	41,759.77	34747
23-Jun-14	Sep'14	3108	11,990.00	37,264.92	31156	12-Jun-15	Sep'15	3104	13,332.50	41,384.08	34382
24-Jun-14	Sep'14	3080	11,987.50	36,921.50	30912	15-Jun-15	Sep'15	3145	13,335.00	41,938.58	35006
25-Jun-14	Sep'14	3043	12,090.00	36,789.87	30559	16-Jun-15	Sep'15	3198	13,353.00	42,702.89	35854
26-Jun-14	Sep'14	3068	12,099.00	37,119.73	31009	17-Jun-15	Sep'15	3235	13,367.50	43,243.86	36289
27-Jun-14	Sep'14	3053	11,995.00	36,620.74	30867	18-Jun-15	Sep'15	3222	13,305.00	42,868.71	36218
30-Jun-14	Sep'14	3135	11,855.00	37,165.43	31458	19-Jun-15	Sep'15	3290	13,331.50	43,860.64	36881
1-Jul-14	Sep'14	3127	11,855.00	37,070.59	30918	22-Jun-15	Sep'15	3260	13,310.00	43,390.60	36485
2-Jul-14	Sep'14	3119	11,910.00	37,147.29	30975	23-Jun-15	Sep'15	3281	13,255.00	43,489.66	36745
3-Jul-14	Sep'14	3117	11,917.50	37,146.85	31237	24-Jun-15	Sep'15	3251	13,303.50	43,249.68	36267
4-Jul-14	Sep'14	3106	11,872.50	36,875.99	30915	25-Jun-15	Sep'15	3282	13,327.50	43,740.86	36777
7-Jul-14	Sep'14	3106	11,700.00	36,340.20	30654	26-Jun-15	Sep'15	3268	13,310.00	43,497.08	36641
8-Jul-14	Sep'14	3099	11,625.00	36,025.88	30337	29-Jun-15	Sep'15	3322	13,345.00	44,332.09	37375
10-Jul-14	Sep'14	3087	11,575.00	35,732.03	29827	30-Jun-15	Sep'15	3331	13,332.50	44,410.56	37422
11-Jul-14	Sep'14	3081	11,585.00	35,693.39	29962	1-Jul-15	Sep'15	3269	13,326.00	43,562.69	36634
14-Jul-14	Sep'14	3090	11,661.50	36,034.04	30062	2-Jul-15	Sep'15	3276	13,337.50	43,693.65	36739
15-Jul-14	Sep'14	3083	11,735.00	36,179.01	30196	3-Jul-15	Sep'15	3288	13,320.00	43,796.16	36833
16-Jul-14	Sep'14	3106	11,695.00	36,324.67	30701	6-Jul-15	Sep'15	3288	13,349.50	43,893.16	36936
18-Jul-14	Sep'14	3064	11,615.00	35,588.36	29977	7-Jul-15	Sep'15	3278	13,327.50	43,687.55	36699
21-Jul-14	Sep'14	3082	11,570.00	35,658.74	29844	8-Jul-15	Sep'15	3250	13,345.00	43,371.25	36435
22-Jul-14	Sep'14	3128	11,605.00	36,300.44	30230	9-Jul-15	Sep'15	3247	13,336.00	43,301.99	36399
23-Jul-14	Sep'14	3131	11,500.00	36,006.50	30176	10-Jul-15	Sep'15	3278	13,313.50	43,641.65	34493
24-Jul-14	Sep'14	3185	11,567.50	36,842.49	30854	13-Jul-15	Sep'15	3303	13,300.00	43,929.90	34806
25-Jul-14	Sep'14	3198	11,577.50	37,024.85	31158	14-Jul-15	Sep'15	3305	13,335.00	44,072.18	34858
4-Aug-14	Sep'14	3207	11,758.00	37,707.91	31678	15-Jul-15	Sep'15	3370	13,344.50	44,970.97	35662
5-Aug-14	Sep'14	3195	11,697.00	37,371.92	31506	22-Jul-15	Sep'15	3336	13,377.50	44,627.34	35357
6-Aug-14	Sep'14	3195	11,750.00	37,541.25	31592	23-Jul-15	Sep'15	3277	13,422.50	43,985.53	34715
7-Aug-14	Sep'14	3219	11,795.00	37,968.11	31863	24-Jul-15	Sep'15	3241	13,445.00	43,575.25	34419
8-Aug-14	Sep'14	3232	11,777.50	38,064.88	32161	27-Jul-15	Sep'15	3181	13,459.00	42,813.08	33705
11-Aug-14	Sep'14	3228	11,670.00	37,670.76	31860	28-Jul-15	Sep'15	3193	13,462.50	42,985.76	33868
12-Aug-14	Sep'14	3222	11,687.50	37,657.13	31655	29-Jul-15	Sep'15	3204	13,456.00	43,113.02	33961
13-Aug-14	Sep'14	3222	11,691.00	37,668.40	31671	30-Jul-15	Sep'15	3217	13,467.50	43,324.95	34179
14-Aug-14	Sep'14	3219	11,672.50	37,573.78	31622	31-Jul-15	Sep'15	3221	13,527.50	43,572.08	34261
15-Aug-14	Sep'14	3215	11,675.00	37,535.13	31621	3-Aug-15	Sep'15	3209	13,500.00	43,321.50	34143
23-Jun-14	Des'14	3109	11,990.00	37,276.91	31156	4-Aug-15	Sep'15	3166	13,485.50	42,695.09	33628
24-Jun-14	Des'14	3083	11,987.50	36,957.46	30912	5-Aug-15	Sep'15	3165	13,514.00	42,771.81	33671
25-Jun-14	Des'14	3047	12,090.00	36,838.23	30559	6-Aug-15	Sep'15	3120	13,541.50	42,249.48	33153
26-Jun-14	Des'14	3072	12,099.00	37,168.13	31009	7-Aug-15	Sep'15	3057	13,539.50	41,390.25	32402

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
27-Jun-14	Des'14	3057	11,995.00	36,668.72	30867	10-Aug-15	Sep'15	3107	13,549.00	42,096.74	33012
30-Jun-14	Des'14	3135	11,855.00	37,165.43	31458	11-Aug-15	Sep'15	3095	13,600.00	42,092.00	32878
1-Jul-14	Des'14	3125	11,855.00	37,046.88	30918	12-Aug-15	Sep'15	3082	13,785.00	42,485.37	33243
2-Jul-14	Des'14	3117	11,910.00	37,123.47	30975	13-Aug-15	Sep'15	3035	13,745.00	41,716.08	32635
3-Jul-14	Des'14	3113	11,917.50	37,099.18	31237	14-Aug-15	Sep'15	3042	13,787.50	41,941.58	32760
4-Jul-14	Des'14	3104	11,872.50	36,852.24	30915	18-Aug-15	Sep'15	2032	13,818.00	28,078.18	32797
7-Jul-14	Des'14	3104	11,700.00	36,316.80	30654	19-Aug-15	Sep'15	3032	13,842.50	41,970.46	32781
8-Jul-14	Des'14	3096	11,625.00	35,991.00	30337	20-Aug-15	Sep'15	3032	13,870.00	42,053.84	32814
10-Jul-14	Des'14	3087	11,575.00	35,732.03	29827	21-Aug-15	Sep'15	3032	13,942.50	42,273.66	32949
11-Jul-14	Des'14	3081	11,585.00	35,693.39	29962	24-Aug-15	Sep'15	3032	14,047.00	42,590.50	33193
14-Jul-14	Des'14	3089	11,661.50	36,022.37	30062	25-Aug-15	Sep'15	3032	14,065.00	42,645.08	33357
15-Jul-14	Des'14	3082	11,735.00	36,167.27	30196	26-Aug-15	Sep'15	3032	14,122.50	42,819.42	33440
16-Jul-14	Des'14	3102	11,695.00	36,277.89	30701	28-Aug-15	Sep'15	3032	13,982.50	42,394.94	33224
18-Jul-14	Des'14	3059	11,615.00	35,530.29	29977	22-Jun-15	Des'15	3247	13,310.00	43,217.57	36485
21-Jul-14	Des'14	3076	11,570.00	35,589.32	29844	23-Jun-15	Des'15	3270	13,255.00	43,343.85	36745
22-Jul-14	Des'14	3106	11,605.00	36,045.13	30230	24-Jun-15	Des'15	3239	13,303.50	43,090.04	36267
23-Jul-14	Des'14	3108	11,500.00	35,742.00	30176	25-Jun-15	Des'15	3269	13,327.50	43,567.60	36777
24-Jul-14	Des'14	3131	11,567.50	36,217.84	30854	26-Jun-15	Des'15	3256	13,310.00	43,337.36	36641
25-Jul-14	Des'14	3150	11,577.50	36,469.13	31158	29-Jun-15	Des'15	3313	13,345.00	44,211.99	37375
4-Aug-14	Des'14	3184	11,758.00	37,437.47	31678	30-Jun-15	Des'15	3320	13,332.50	44,263.90	37422
5-Aug-14	Des'14	3179	11,697.00	37,184.76	31506	1-Jul-15	Des'15	3262	13,326.00	43,469.41	36634
6-Aug-14	Des'14	3179	11,750.00	37,353.25	31592	2-Jul-15	Des'15	3267	13,337.50	43,573.61	36739
7-Aug-14	Des'14	3200	11,795.00	37,744.00	31863	3-Jul-15	Des'15	3279	13,320.00	43,676.28	36833
8-Aug-14	Des'14	3215	11,777.50	37,864.66	32161	6-Jul-15	Des'15	3279	13,349.50	43,773.01	36936
11-Aug-14	Des'14	3215	11,670.00	37,519.05	31860	7-Jul-15	Des'15	3271	13,327.50	43,594.25	36699
12-Aug-14	Des'14	3221	11,687.50	37,645.44	31655	8-Jul-15	Des'15	3242	13,345.00	43,264.49	36435
13-Aug-14	Des'14	3238	11,691.00	37,855.46	31671	9-Jul-15	Des'15	3238	13,336.00	43,181.97	36399
14-Aug-14	Des'14	3231	11,672.50	37,713.85	31622	10-Jul-15	Des'15	3267	13,313.50	43,495.20	34493
15-Aug-14	Des'14	3235	11,675.00	37,768.63	31621	13-Jul-15	Des'15	3294	13,300.00	43,810.20	34806
18-Aug-14	Des'14	3243	11,684.50	37,892.83	31899	14-Jul-15	Des'15	3296	13,335.00	43,952.16	34858
19-Aug-14	Des'14	3260	11,679.00	38,073.54	32090	15-Jul-15	Des'15	3360	13,344.50	44,837.52	35662
20-Aug-14	Des'14	3204	11,700.00	37,486.80	31536	22-Jul-15	Des'15	3333	13,377.50	44,587.21	35357
21-Aug-14	Des'14	3226	11,690.00	37,711.94	31808	23-Jul-15	Des'15	3276	13,422.50	43,972.11	34715
22-Aug-14	Des'14	3200	11,678.50	37,371.20	31349	24-Jul-15	Des'15	3241	13,445.00	43,575.25	34419
25-Aug-14	Des'14	3194	11,718.00	37,427.29	31444	27-Jul-15	Des'15	3184	13,459.00	42,853.46	33705
26-Aug-14	Des'14	3219	11,713.00	37,704.15	31725	28-Jul-15	Des'15	3197	13,462.50	43,039.61	33868
27-Aug-14	Des'14	3216	11,681.50	37,567.70	31672	29-Jul-15	Des'15	3213	13,456.00	43,234.13	33961
28-Aug-14	Des'14	3211	11,700.50	37,570.31	31547	30-Jul-15	Des'15	3227	13,467.50	43,459.62	34179
29-Aug-14	Des'14	3228	11,690.00	37,735.32	31830	31-Jul-15	Des'15	3231	13,527.50	43,707.35	34261
1-Sep-14	Des'14	3229	11,716.00	37,830.96	31823	3-Aug-15	Des'15	3221	13,500.00	43,483.50	34143
2-Sep-14	Des'14	3229	11,747.50	37,932.68	31888	4-Aug-15	Des'15	3181	13,485.50	42,897.38	33628
3-Sep-14	Des'14	3165	11,765.00	37,236.23	31299	5-Aug-15	Des'15	3176	13,514.00	42,920.46	33671

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
4-Sep-14	Des'14	3146	11,764.00	37,009.54	31031	6-Aug-15	Des'15	3130	13,541.50	42,384.90	33153
5-Sep-14	Des'14	3132	11,755.00	36,816.66	30901	7-Aug-15	Des'15	3071	13,539.50	41,579.80	32402
8-Sep-14	Des'14	3102	11,729.50	36,384.91	30441	10-Aug-15	Des'15	3121	13,549.00	42,286.43	33012
9-Sep-14	Des'14	3098	11,766.50	36,452.62	30479	11-Aug-15	Des'15	3109	13,600.00	42,282.40	32878
10-Sep-14	Des'14	3072	11,812.00	36,286.46	30256	12-Aug-15	Des'15	3096	13,785.00	42,678.36	33243
11-Sep-14	Des'14	3063	11,825.00	36,219.98	30286	13-Aug-15	Des'15	3035	13,745.00	41,716.08	32635
12-Sep-14	Des'14	3028	11,820.00	35,790.96	29892	14-Aug-15	Des'15	3061	13,787.50	42,203.54	32760
15-Sep-14	Des'14	3053	11,927.50	36,414.66	30285	18-Aug-15	Des'15	3056	13,818.00	42,227.81	32797
16-Sep-14	Des'14	3057	11,965.00	36,577.01	30402	19-Aug-15	Des'15	3084	13,842.50	42,690.27	32781
17-Sep-14	Des'14	3070	11,955.00	36,701.85	30562	20-Aug-15	Des'15	3116	13,870.00	43,218.92	32814
18-Sep-14	Des'14	3102	11,980.00	37,161.96	31241	21-Aug-15	Des'15	3135	13,942.50	43,709.74	32949
19-Sep-14	Des'14	3192	11,967.50	38,200.26	32149	24-Aug-15	Des'15	3074	14,047.00	43,180.48	33193
22-Sep-14	Des'14	3259	11,973.50	39,021.64	32876	25-Aug-15	Des'15	3088	14,065.00	43,432.72	33357
23-Sep-14	Des'14	3328	11,972.50	39,844.48	33703	26-Aug-15	Des'15	3108	14,122.50	43,892.73	33440
24-Sep-14	Des'14	3297	11,952.50	39,407.39	33319	27-Aug-15	Des'15	3098	13,992.50	43,348.77	33502
25-Sep-14	Des'14	3371	11,978.50	40,379.52	34078	28-Aug-15	Des'15	3109	13,982.50	43,471.59	33224
26-Sep-14	Des'14	3333	12,022.50	40,070.99	14249	31-Aug-15	Des'15	3112	14,050.00	43,723.60	33262
29-Sep-14	Des'14	3311	12,170.00	40,294.87	33881	1-Sep-15	Des'15	3099	14,097.50	43,688.15	34239
30-Sep-14	Des'14	3311	12,185.00	40,344.54	34138	2-Sep-15	Des'15	3141	14,130.00	44,382.33	34885
1-Oct-14	Des'14	3300	12,127.50	40,020.75	33944	3-Sep-15	Des'15	3117	14,169.00	44,164.77	34661
2-Oct-14	Des'14	3172	12,150.00	38,539.80	32323	4-Sep-15	Des'15	3114	14,165.00	44,109.81	34667
3-Oct-14	Des'14	3090	12,176.50	37,625.39	31398	7-Sep-15	Des'15	3168	14,247.50	45,136.08	35495
6-Oct-14	Des'14	3056	12,210.00	37,313.76	31180	8-Sep-15	Des'15	3168	14,280.00	45,239.04	35623
8-Oct-14	Des'14	3051	12,240.00	37,344.24	31196	9-Sep-15	Des'15	3220	14,261.50	45,922.03	36187
9-Oct-14	Des'14	3038	12,185.00	37,018.03	30915	10-Sep-15	Des'15	3270	14,332.50	46,867.28	37030
10-Oct-14	Des'14	3057	12,220.00	37,356.54	31179	11-Sep-15	Des'15	3276	14,330.00	46,945.08	37065
13-Oct-14	Des'14	3157	12,216.00	38,565.91	32325	14-Sep-15	Des'15	3254	14,347.50	46,686.77	36823
14-Oct-14	Des'14	3059	12,207.50	37,342.74	31171	15-Sep-15	Des'15	3286	14,407.50	47,343.05	37363
15-Oct-14	Des'14	3102	12,225.00	37,921.95	31031	16-Sep-15	Des'15	3238	14,455.00	46,805.29	36924
16-Oct-14	Des'14	3153	12,247.50	38,616.37	32292	17-Sep-15	Des'15	3267	14,457.50	47,232.65	37309
17-Oct-14	Des'14	3153	12,106.50	38,171.79	32331	18-Sep-15	Des'15	3282	14,375.00	47,178.75	37550
20-Oct-14	Des'14	3153	12,032.50	37,938.47	31853	21-Sep-15	Des'15	3311	14,455.00	47,860.51	37896
21-Oct-14	Des'14	3120	12,000.00	37,440.00	31350	22-Sep-15	Des'15	3311	14,497.50	48,001.22	37988
22-Oct-14	Des'14	3110	12,012.50	37,358.88	31322	23-Sep-15	Des'15	3312	14,647.50	48,512.52	38361
23-Oct-14	Des'14	3113	12,060.00	37,542.78	31377	25-Sep-15	Des'15	3293	14,685.00	48,357.71	38285
24-Oct-14	Des'14	3120	12,066.00	37,645.92	31538	28-Sep-15	Des'15	3276	14,697.50	48,149.01	38076
27-Oct-14	Des'14	3050	12,112.50	36,943.13	30677	29-Sep-15	Des'15	3242	14,682.50	47,600.67	37708
28-Oct-14	Des'14	2970	12,170.00	36,144.90	30048	30-Sep-15	Des'15	3182	14,650.00	46,616.30	36735
29-Oct-14	Des'14	2923	12,080.00	35,309.84	29518	1-Oct-15	Des'15	3114	14,670.00	45,682.38	35830
30-Oct-14	Des'14	2937	12,125.00	35,611.13	29684	2-Oct-15	Des'15	3105	14,642.50	45,464.96	35846
31-Oct-14	Des'14	2946	12,085.00	35,602.41	29585	5-Oct-15	Des'15	3095	14,495.00	44,862.03	35459
3-Nov-14	Des'14	2899	12,107.50	35,099.64	29101	6-Oct-15	Des'15	3092	14,245.50	44,047.09	34881

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
4-Nov-14	Des'14	2861	12,107.50	34,639.56	28723	7-Oct-15	Des'15	3092	13,825.00	42,746.90	34112
5-Nov-14	Des'14	2857	12,142.50	34,691.12	28587	8-Oct-15	Des'15	3079	13,867.50	42,698.03	33329
10-Nov-14	Des'14	2889	12,152.50	35,108.57	29065	9-Oct-15	Des'15	3060	13,420.00	41,065.20	32403
11-Nov-14	Des'14	2895	12,205.00	35,333.48	29194	12-Oct-15	Des'15	3049	13,405.00	40,871.85	32138
12-Nov-14	Des'14	2920	12,198.50	35,619.62	29585	13-Oct-15	Des'15	3074	13,619.50	41,866.34	32660
13-Nov-14	Des'14	2851	12,202.50	34,789.33	28752	15-Oct-15	Des'15	3109	13,455.00	41,831.60	32431
14-Nov-14	Des'14	2798	12,211.00	34,166.38	28173	19-Oct-15	Des'15	3125	13,531.50	42,285.94	33224
						20-Oct-15	Des'15	3169	13,645.00	43,241.01	34011
						21-Oct-15	Des'15	3202	13,717.00	43,921.83	34573
						22-Oct-15	Des'15	3146	13,657.50	42,966.50	33744
						23-Oct-15	Des'15	3140	13,635.00	42,813.90	33303
						26-Oct-15	Des'15	3125	13,645.00	42,640.63	33494
						27-Oct-15	Des'15	3174	13,622.50	43,237.82	34053
						28-Oct-15	Des'15	3197	13,477.50	43,087.57	34345
						29-Oct-15	Des'15	3219	13,635.00	43,891.07	34442
						30-Oct-15	Des'15	3215	13,687.50	44,005.31	34589
						2-Nov-15	Des'15	3259	13,667.50	44,542.38	35239
						3-Nov-15	Des'15	3295	13,555.00	44,663.73	35453
						4-Nov-15	Des'15	3297	13,555.00	44,690.84	36131
						5-Nov-15	Des'15	3235	13,565.00	43,882.78	34742
						6-Nov-15	Des'15	3263	13,560.00	44,246.28	34948
						9-Nov-15	Des'15	3237	13,647.50	44,176.96	34981
						10-Nov-15	Des'15	3209	13,609.50	43,672.89	34464
						11-Nov-15	Des'15	3268	13,602.50	44,452.97	35076
						12-Nov-15	Des'15	3307	13,602.50	44,983.47	35550
						13-Nov-15	Des'15	3309	13,665.00	45,217.49	35727

Sumber: BAPPEBTI, BBJ, dan Investing.com

Lampiran 11

Harga Harian Kakao *Spot* dan Kakao *Futures* 2016

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
27-Aug-15	Mar'16	3093	13,992.50	43,278.80	33502
31-Aug-15	Mar'16	3103	14,050.00	43,597.15	33262
1-Sep-15	Mar'16	3091	14,097.50	43,575.37	34239
2-Sep-15	Mar'16	3130	14,130.00	44,226.90	34885
3-Sep-15	Mar'16	3109	14,169.00	44,051.42	34661
4-Sep-15	Mar'16	3103	14,165.00	43,954.00	34667
7-Sep-15	Mar'16	3154	14,247.50	44,936.62	35495
8-Sep-15	Mar'16	3154	14,280.00	45,039.12	35623
9-Sep-15	Mar'16	3207	14,261.50	45,736.63	36187

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
10-Sep-15	Mar'16	3254	14,332.50	46,637.96	37030
11-Sep-15	Mar'16	3261	14,330.00	46,730.13	37065
14-Sep-15	Mar'16	3240	14,347.50	46,485.90	36823
15-Sep-15	Mar'16	3273	14,407.50	47,155.75	37363
16-Sep-15	Mar'16	3224	14,455.00	46,602.92	36924
17-Sep-15	Mar'16	3254	14,457.50	47,044.71	37309
18-Sep-15	Mar'16	3271	14,375.00	47,020.63	37550
21-Sep-15	Mar'16	3301	14,455.00	47,715.96	37896
22-Sep-15	Mar'16	3300	14,497.50	47,841.75	37988
23-Sep-15	Mar'16	3303	14,647.50	48,380.69	38361
25-Sep-15	Mar'16	3292	14,685.00	48,343.02	38285
28-Sep-15	Mar'16	3273	14,697.50	48,104.92	38076
29-Sep-15	Mar'16	3241	14,682.50	47,585.98	37708
30-Sep-15	Mar'16	3185	14,650.00	46,660.25	36735
1-Oct-15	Mar'16	3117	14,670.00	45,726.39	35830
2-Oct-15	Mar'16	3110	14,642.50	45,538.18	35846
5-Oct-15	Mar'16	3099	14,495.00	44,920.01	35459
6-Oct-15	Mar'16	3097	14,245.50	44,118.31	34881
7-Oct-15	Mar'16	3096	13,825.00	42,802.20	34112
8-Oct-15	Mar'16	3084	13,867.50	42,767.37	33329
9-Oct-15	Mar'16	3067	13,420.00	41,159.14	32403
12-Oct-15	Mar'16	3058	13,405.00	40,992.49	32138
13-Oct-15	Mar'16	3083	13,619.50	41,988.92	32660
15-Oct-15	Mar'16	3111	13,455.00	41,858.51	32431
19-Oct-15	Mar'16	3129	13,531.50	42,340.06	33224
20-Oct-15	Mar'16	3174	13,645.00	43,309.23	34011
21-Oct-15	Mar'16	3202	13,717.00	43,921.83	34573
22-Oct-15	Mar'16	3153	13,657.50	43,062.10	33744
23-Oct-15	Mar'16	3146	13,635.00	42,895.71	33303
26-Oct-15	Mar'16	3133	13,645.00	42,749.79	33494
27-Oct-15	Mar'16	3181	13,622.50	43,333.17	34053
28-Oct-15	Mar'16	3205	13,477.50	43,195.39	34345
29-Oct-15	Mar'16	3226	13,635.00	43,986.51	34442
30-Oct-15	Mar'16	3223	13,687.50	44,114.81	34589
2-Nov-15	Mar'16	3263	13,667.50	44,597.05	35239
3-Nov-15	Mar'16	3295	13,555.00	44,663.73	35453
4-Nov-15	Mar'16	3301	13,555.00	44,745.06	36131
5-Nov-15	Mar'16	3244	13,565.00	44,004.86	34742
6-Nov-15	Mar'16	3270	13,560.00	44,341.20	34948
9-Nov-15	Mar'16	3246	13,647.50	44,299.79	34981
10-Nov-15	Mar'16	3216	13,609.50	43,768.15	34464
11-Nov-15	Mar'16	3279	13,602.50	44,602.60	35076

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
12-Nov-15	Mar'16	3313	13,602.50	45,065.08	35550
13-Nov-15	Mar'16	3328	13,665.00	45,477.12	35727
16-Nov-15	Mar'16	3363	13,727.50	46,165.58	36653
17-Nov-15	Mar'16	3377	13,747.50	46,425.31	36770
18-Nov-15	Mar'16	3371	13,799.50	46,518.11	36835
19-Nov-15	Mar'16	3341	13,777.50	46,030.63	36527
20-Nov-15	Mar'16	3377	13,655.00	46,112.94	36845
23-Nov-15	Mar'16	3368	13,723.00	46,219.06	36619
24-Nov-15	Mar'16	3306	13,707.50	45,317.00	35925
25-Nov-15	Mar'16	3338	13,687.50	45,688.88	36188
26-Nov-15	Mar'16	3304	13,728.50	45,358.96	35927
27-Nov-15	Mar'16	3304	13,780.00	45,529.12	35964
30-Nov-15	Mar'16	3310	13,835.00	45,793.85	36282
1-Dec-15	Mar'16	3339	13,782.50	46,019.77	36558
2-Dec-15	Mar'16	3337	13,797.50	46,042.26	36398
3-Dec-15	Mar'16	3333	13,843.50	46,140.39	36581
4-Dec-15	Mar'16	3386	13,832.00	46,835.15	37209
7-Dec-15	Mar'16	3390	13,842.50	46,926.08	37270
8-Dec-15	Mar'16	3417	13,872.50	47,402.33	37650
10-Dec-15	Mar'16	3371	13,872.50	46,764.20	37346
11-Dec-15	Mar'16	3347	13,935.00	46,640.45	37000
14-Dec-15	Mar'16	3353	13,947.50	46,765.97	37445
15-Dec-15	Mar'16	3375	14,077.50	47,511.56	37694
16-Dec-15	Mar'16	3338	14,069.50	46,963.99	37186
17-Dec-15	Mar'16	3291	14,006.50	46,095.39	36535
18-Dec-15	Mar'16	3253	13,917.50	45,273.63	36065
21-Dec-15	Mar'16	3252	13,772.50	44,788.17	35641
22-Dec-15	Mar'16	3239	13,675.00	44,293.33	34822
23-Dec-15	Mar'16	3197	13,642.50	43,615.07	34380
28-Dec-15	Mar'16	3210	13,650.00	43,816.50	34527
29-Dec-15	Mar'16	3194	13,745.00	43,901.53	34379
30-Dec-15	Mar'16	3211	13,782.50	44,255.61	34932
31-Dec-15	Mar'16	3229	13,787.50	44,519.84	35158
4-Jan-16	Mar'16	3211	13,915.00	44,681.07	35195
5-Jan-16	Mar'16	3124	13,862.50	43,306.45	34188
6-Jan-16	Mar'16	3059	13,947.50	42,665.40	33210
7-Jan-16	Mar'16	2981	13,927.50	41,517.88	32430
8-Jan-16	Mar'16	2963	13,922.50	41,252.37	32038
11-Jan-16	Mar'16	3017	13,875.00	41,860.88	32856
12-Jan-16	Mar'16	2902	13,910.00	40,366.82	31188
13-Jan-16	Mar'16	2860	13,827.50	39,546.65	30723
14-Jan-16	Mar'16	2892	13,910.00	40,227.72	31158

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
15-Jan-16	Mar'16	2857	13,894.50	39,696.59	30741
18-Jan-16	Mar'16	2905	13,932.50	40,473.91	31442
19-Jan-16	Mar'16	2905	13,880.00	40,321.40	31420
20-Jan-16	Mar'16	2934	13,960.00	40,958.64	31726
21-Jan-16	Mar'16	2810	13,910.00	39,087.10	30182
22-Jan-16	Mar'16	2855	13,850.00	39,541.75	30689
25-Jan-16	Mar'16	2872	13,872.50	39,841.82	30835
26-Jan-16	Mar'16	2819	13,900.00	39,184.10	30305
27-Jan-16	Mar'16	2829	13,878.50	39,262.28	30358
28-Jan-16	Mar'16	2764	13,874.50	38,349.12	29585
29-Jan-16	Mar'16	2791	13,775.00	38,446.03	29830
1-Feb-16	Mar'16	2761	13,637.50	37,653.14	29143
2-Feb-16	Mar'16	2868	13,687.50	39,255.75	29063
3-Feb-16	Mar'16	2761	13,765.00	38,005.17	29267
4-Feb-16	Mar'16	2837	13,637.50	38,689.59	29999
5-Feb-16	Mar'16	2764	13,625.00	37,659.50	29082
9-Feb-16	Mar'16	2858	13,605.00	38,883.09	30317
10-Feb-16	Mar'16	2837	13,462.50	38,193.11	29727
11-Feb-16	Mar'16	2825	13,462.50	38,031.56	29211
12-Feb-16	Mar'16	2766	13,490.00	37,313.34	28719
15-Feb-16	Mar'16	2827	13,375.00	37,811.13	29469
16-Feb-16	Mar'16	2827	13,400.00	37,881.80	29157
17-Feb-16	Mar'16	2827	13,510.00	38,192.77	29531
18-Feb-16	Mar'16	2827	13,495.00	38,150.37	29476
19-Feb-16	Mar'16	2827	13,495.00	38,150.37	29629
15-Sep-15	Mei'16	3268	14,407.50	47,083.71	37363
16-Sep-15	Mei'16	3218	14,455.00	46,516.19	36924
17-Sep-15	Mei'16	3247	14,457.50	46,943.50	37309
18-Sep-15	Mei'16	3264	14,375.00	46,920.00	37550
21-Sep-15	Mei'16	3293	14,455.00	47,600.32	37896
22-Sep-15	Mei'16	3290	14,497.50	47,696.78	37988
23-Sep-15	Mei'16	3292	14,647.50	48,219.57	38361
28-Sep-15	Mei'16	3265	14,697.50	47,987.34	38076
29-Sep-15	Mei'16	3235	14,682.50	47,497.89	37708
30-Sep-15	Mei'16	3180	14,650.00	46,587.00	36735
1-Oct-15	Mei'16	3112	14,670.00	45,653.04	35830
2-Oct-15	Mei'16	3104	14,642.50	45,450.32	35846
5-Oct-15	Mei'16	3094	14,495.00	44,847.53	35459
6-Oct-15	Mei'16	3092	14,245.50	44,047.09	34881
7-Oct-15	Mei'16	3092	13,825.00	42,746.90	34112
8-Oct-15	Mei'16	3079	13,867.50	42,698.03	33329
9-Oct-15	Mei'16	3062	13,420.00	41,092.04	32403

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
12-Oct-15	Mei'16	3051	13,405.00	40,898.66	32138
13-Oct-15	Mei'16	3078	13,619.50	41,920.82	32660
15-Oct-15	Mei'16	3104	13,455.00	41,764.32	32431
19-Oct-15	Mei'16	3131	13,531.50	42,367.13	33224
20-Oct-15	Mei'16	3168	13,645.00	43,227.36	34011
21-Oct-15	Mei'16	3195	13,717.00	43,825.82	34573
22-Oct-15	Mei'16	3147	13,657.50	42,980.15	33744
23-Oct-15	Mei'16	3142	13,635.00	42,841.17	33303
28-Oct-15	Mei'16	3201	13,645.00	43,677.65	34345
16-Nov-15	Mei'16	3359	13,727.50	46,110.67	36653
17-Nov-15	Mei'16	3372	13,747.50	46,356.57	36770
18-Nov-15	Mei'16	3367	13,799.50	46,462.92	36835
19-Nov-15	Mei'16	3338	13,777.50	45,989.30	36527
20-Nov-15	Mei'16	3372	13,655.00	46,044.66	36845
23-Nov-15	Mei'16	3363	13,723.00	46,150.45	36619
24-Nov-15	Mei'16	3301	13,707.50	45,248.46	35925
25-Nov-15	Mei'16	3335	13,687.50	45,647.81	36188
26-Nov-15	Mei'16	3302	13,728.50	45,331.51	35927
27-Nov-15	Mei'16	3302	13,780.00	45,501.56	35964
30-Nov-15	Mei'16	3308	13,835.00	45,766.18	36282
1-Dec-15	Mei'16	3339	13,782.50	46,019.77	36558
2-Dec-15	Mei'16	3335	13,797.50	46,014.66	36398
3-Dec-15	Mei'16	3330	13,843.50	46,098.86	36581
4-Dec-15	Mei'16	3378	13,832.00	46,724.50	37209
7-Dec-15	Mei'16	3383	13,842.50	46,829.18	37270
8-Dec-15	Mei'16	3410	13,872.50	47,305.23	37650
10-Dec-15	Mei'16	3366	13,935.00	46,905.21	37346
11-Dec-15	Mei'16	3341	13,947.50	46,598.60	37000
14-Dec-15	Mei'16	3347	14,077.50	47,117.39	37445
15-Dec-15	Mei'16	3368	14,056.50	47,342.29	37694
16-Dec-15	Mei'16	3333	14,069.50	46,893.64	37186
17-Dec-15	Mei'16	3286	14,006.50	46,025.36	36535
18-Dec-15	Mei'16	3249	13,917.50	45,217.96	36065
21-Dec-15	Mei'16	3247	13,772.50	44,719.31	35641
22-Dec-15	Mei'16	3235	13,675.00	44,238.63	34822
23-Dec-15	Mei'16	3194	13,642.50	43,574.15	34380
28-Dec-15	Mei'16	3205	13,650.00	43,748.25	34527
29-Dec-15	Mei'16	3192	13,745.00	43,874.04	34379
30-Dec-15	Mei'16	3207	13,782.50	44,200.48	34932
31-Dec-15	Mei'16	3225	13,787.50	44,464.69	35158
4-Jan-16	Mei'16	3207	13,915.00	44,625.41	35195
5-Jan-16	Mei'16	3124	13,862.50	43,306.45	34188

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
6-Jan-16	Mei'16	3061	13,947.50	42,693.30	33210
7-Jan-16	Mei'16	2984	13,927.50	41,559.66	32430
8-Jan-16	Mei'16	2966	13,922.50	41,294.14	32038
11-Jan-16	Mei'16	3015	13,875.00	41,833.13	32856
12-Jan-16	Mei'16	2905	13,910.00	40,408.55	31188
13-Jan-16	Mei'16	2865	13,827.50	39,615.79	30723
14-Jan-16	Mei'16	2897	13,910.00	40,297.27	31158
15-Jan-16	Mei'16	2862	13,894.50	39,766.06	30741
18-Jan-16	Mei'16	2909	13,932.50	40,529.64	31442
19-Jan-16	Mei'16	2909	13,880.00	40,376.92	31420
20-Jan-16	Mei'16	2935	13,960.00	40,972.60	31726
21-Jan-16	Mei'16	2811	13,910.00	39,101.01	30182
22-Jan-16	Mei'16	2857	13,850.00	39,569.45	30689
25-Jan-16	Mei'16	2873	13,872.50	39,855.69	30835
26-Jan-16	Mei'16	2823	13,900.00	39,239.70	30305
27-Jan-16	Mei'16	2834	13,878.50	39,331.67	30358
28-Jan-16	Mei'16	2771	13,874.50	38,446.24	29585
29-Jan-16	Mei'16	2797	13,775.00	38,528.68	29830
1-Feb-16	Mei'16	2767	13,637.50	37,734.96	29143
2-Feb-16	Mei'16	2871	13,687.50	39,296.81	29063
3-Feb-16	Mei'16	2767	13,765.00	38,087.76	29267
4-Feb-16	Mei'16	2843	13,637.50	38,771.41	29999
5-Feb-16	Mei'16	2771	13,625.00	37,754.88	29082
9-Feb-16	Mei'16	2870	13,605.00	39,046.35	30317
10-Feb-16	Mei'16	2859	13,462.50	38,489.29	29727
11-Feb-16	Mei'16	2854	13,462.50	38,421.98	29211
12-Feb-16	Mei'16	2800	13,490.00	37,772.00	28719
15-Feb-16	Mei'16	2874	13,375.00	38,439.75	29469
16-Feb-16	Mei'16	2874	13,400.00	38,511.60	29157
17-Feb-16	Mei'16	2834	13,510.00	38,287.34	29531
18-Feb-16	Mei'16	2880	13,495.00	38,865.60	29476
19-Feb-16	Mei'16	2918	13,495.00	39,378.41	29629
22-Feb-16	Mei'16	2857	13,437.50	38,390.94	29798
23-Feb-16	Mei'16	2879	13,425.00	38,650.58	29924
24-Feb-16	Mei'16	2889	13,412.50	38,748.71	30154
25-Feb-16	Mei'16	2929	13,410.50	39,279.35	30570
26-Feb-16	Mei'16	2947	13,370.00	39,401.39	30750
29-Feb-16	Mei'16	2888	13,372.00	38,618.34	30028
1-Mar-16	Mei'16	2955	13,350.00	39,449.25	30771
2-Mar-16	Mei'16	2933	13,290.00	38,979.57	30385
3-Mar-16	Mei'16	2948	13,235.00	39,016.78	30441
4-Mar-16	Mei'16	2952	13,135.00	38,774.52	30256

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
7-Mar-16	Mei'16	3008	13,090.00	39,374.72	30614
8-Mar-16	Mei'16	3010	13,143.00	39,560.43	30870
10-Mar-16	Mei'16	3022	13,072.50	39,505.10	31062
11-Mar-16	Mei'16	3062	13,070.00	40,020.34	31387
14-Mar-16	Mei'16	3062	13,060.00	39,989.72	31226
15-Mar-16	Mei'16	3081	13,177.50	40,599.88	31610
16-Mar-16	Mei'16	3053	13,267.50	40,505.68	31477
17-Mar-16	Mei'16	3040	13,095.00	39,808.80	31315
18-Mar-16	Mei'16	3116	13,117.50	40,874.13	31927
21-Mar-16	Mei'16	3118	13,135.00	40,954.93	32225
22-Mar-16	Mei'16	3072	13,180.00	40,488.96	31716
23-Mar-16	Mei'16	3035	13,177.50	39,993.71	31258
24-Mar-16	Mei'16	2963	13,252.50	39,267.16	30597
28-Mar-16	Mei'16	2962	13,367.50	39,594.54	30753
29-Mar-16	Mei'16	2970	13,397.50	39,790.58	30942
30-Mar-16	Mei'16	2970	13,267.50	39,404.48	30933
31-Mar-16	Mei'16	2974	13,260.00	39,435.24	30788
1-Apr-16	Mei'16	2950	13,160.00	38,822.00	30327
4-Apr-16	Mei'16	2881	13,166.50	37,932.69	29384
5-Apr-16	Mei'16	2871	13,219.00	37,951.75	29426
6-Apr-16	Mei'16	2882	13,222.50	38,107.25	29571
7-Apr-16	Mei'16	2900	13,160.00	38,164.00	29726
8-Apr-16	Mei'16	2850	13,142.50	37,456.13	29071
11-Apr-16	Mei'16	2872	13,127.50	37,702.18	29253
12-Apr-16	Mei'16	2906	13,113.50	38,107.83	29630
13-Apr-16	Mei'16	2932	13,160.00	38,585.12	29876
14-Apr-16	Mei'16	2918	13,177.50	38,451.95	30033
15-Apr-16	Mei'16	2953	13,175.00	38,905.78	30284
2-Dec-15	Jul'16	3326	13,797.50	45,890.49	36398
3-Dec-15	Jul'16	3319	13,843.50	45,946.58	36581
4-Dec-15	Jul'16	3366	13,832.00	46,558.51	37209
10-Dec-15	Jul'16	3359	13,935.00	46,807.67	37346
11-Dec-15	Jul'16	3335	13,947.50	46,514.91	37000
23-Dec-15	Jul'16	3188	13,642.50	43,492.29	34380
28-Dec-15	Jul'16	3197	13,650.00	43,639.05	34527
29-Dec-15	Jul'16	3185	13,745.00	43,777.83	34379
30-Dec-15	Jul'16	3201	13,782.50	44,117.78	34932
31-Dec-15	Jul'16	3220	13,787.50	44,395.75	35158
26-Jan-16	Jul'16	2828	13,900.00	39,309.20	30305
3-Feb-16	Jul'16	2771	13,765.00	38,142.82	29267
17-Feb-16	Jul'16	2833	13,510.00	38,273.83	29531
18-Feb-16	Jul'16	2878	13,495.00	38,838.61	29476

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
19-Feb-16	Jul'16	2916	13,495.00	39,351.42	29629
22-Feb-16	Jul'16	2856	13,437.50	38,377.50	29798
23-Feb-16	Jul'16	2872	13,425.00	38,556.60	29924
24-Feb-16	Jul'16	2883	13,412.50	38,668.24	30154
25-Feb-16	Jul'16	2923	13,410.50	39,198.89	30570
26-Feb-16	Jul'16	2943	13,370.00	39,347.91	30750
29-Feb-16	Jul'16	2886	13,372.00	38,591.59	30028
1-Mar-16	Jul'16	2953	13,350.00	39,422.55	30771
2-Mar-16	Jul'16	2930	13,290.00	38,939.70	30385
3-Mar-16	Jul'16	2946	13,235.00	38,990.31	30441
4-Mar-16	Jul'16	2951	13,135.00	38,761.39	30256
7-Mar-16	Jul'16	3005	13,090.00	39,335.45	30614
8-Mar-16	Jul'16	3009	13,143.00	39,547.29	30870
10-Mar-16	Jul'16	3019	13,072.50	39,465.88	31062
11-Mar-16	Jul'16	3059	13,070.00	39,981.13	31387
14-Mar-16	Jul'16	3062	13,060.00	39,989.72	31226
15-Mar-16	Jul'16	3082	13,177.50	40,613.06	31610
16-Mar-16	Jul'16	3053	13,267.50	40,505.68	31477
17-Mar-16	Jul'16	3040	13,095.00	39,808.80	31315
18-Mar-16	Jul'16	3114	13,117.50	40,847.90	31927
21-Mar-16	Jul'16	3117	13,135.00	40,941.80	32225
22-Mar-16	Jul'16	3074	13,180.00	40,515.32	31716
23-Mar-16	Jul'16	3039	13,177.50	40,046.42	31258
24-Mar-16	Jul'16	2971	13,252.50	39,373.18	30597
28-Mar-16	Jul'16	2972	13,367.50	39,728.21	30753
29-Mar-16	Jul'16	2980	13,397.50	39,924.55	30942
30-Mar-16	Jul'16	2982	13,267.50	39,563.69	30933
31-Mar-16	Jul'16	2985	13,260.00	39,581.10	30788
1-Apr-16	Jul'16	2959	13,160.00	38,940.44	30327
4-Apr-16	Jul'16	2892	13,166.50	38,077.52	29384
5-Apr-16	Jul'16	2882	13,219.00	38,097.16	29426
6-Apr-16	Jul'16	2895	13,222.50	38,279.14	29571
7-Apr-16	Jul'16	2912	13,160.00	38,321.92	29726
8-Apr-16	Jul'16	2872	13,142.50	37,745.26	29071
11-Apr-16	Jul'16	2894	13,127.50	37,990.99	29253
12-Apr-16	Jul'16	2932	13,113.50	38,448.78	29630
13-Apr-16	Jul'16	2963	13,160.00	38,993.08	29876
14-Apr-16	Jul'16	2954	13,177.50	38,926.34	30033
15-Apr-16	Jul'16	2988	13,175.00	39,366.90	30284
18-Apr-16	Jul'16	2987	13,175.00	39,353.73	30776
19-Apr-16	Jul'16	3041	13,147.50	39,981.55	31289
20-Apr-16	Jul'16	3079	13,141.00	40,461.14	31698

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
21-Apr-16	Jul'16	3090	13,157.50	40,656.68	31947
22-Apr-16	Jul'16	3107	13,197.50	41,004.63	32117
25-Apr-16	Jul'16	3155	13,197.50	41,638.11	32849
26-Apr-16	Jul'16	3167	13,200.00	41,804.40	32942
27-Apr-16	Jul'16	3211	13,194.50	42,367.54	33359
28-Apr-16	Jul'16	3190	13,186.50	42,064.94	33188
2-May-16	Jul'16	3233	13,180.00	42,610.94	33669
3-May-16	Jul'16	3217	13,194.50	42,446.71	33403
4-May-16	Jul'16	3205	13,241.50	42,439.01	33473
9-May-16	Jul'16	3074	13,290.00	40,853.46	32002
10-May-16	Jul'16	3079	13,287.50	40,912.21	32181
11-May-16	Jul'16	3101	13,305.00	41,258.81	32294
12-May-16	Jul'16	3070	13,297.50	40,823.33	31991
13-May-16	Jul'16	3020	13,317.50	40,218.85	31421
16-May-16	Jul'16	2967	13,302.50	39,468.52	30825
17-May-16	Jul'16	2927	13,298.50	38,924.71	30231
18-May-16	Jul'16	2899	13,389.00	38,814.71	29989
19-May-16	Jul'16	2931	13,555.00	39,729.71	30710
20-May-16	Jul'16	2893	13,607.50	39,366.50	30488
23-May-16	Jul'16	2912	13,582.50	39,552.24	30797
24-May-16	Jul'16	2959	13,690.00	40,508.71	31370
25-May-16	Jul'16	2953	13,655.00	40,323.22	31446
26-May-16	Jul'16	2924	13,603.50	39,776.63	30962
27-May-16	Jul'16	2916	13,583.00	39,608.03	30773
30-May-16	Jul'16	3005	13,645.00	41,003.23	32015
31-May-16	Jul'16	3005	13,660.00	41,048.30	31954
1-Jun-16	Jul'16	3059	13,660.00	41,785.94	32750
2-Jun-16	Jul'16	3046	13,647.50	41,570.29	32648
3-Jun-16	Jul'16	3057	13,591.50	41,549.22	32584
6-Jun-16	Jul'16	3031	13,377.50	40,547.20	31948
7-Jun-16	Jul'16	3063	13,270.00	40,646.01	32089
8-Jun-16	Jul'16	3088	13,265.00	40,962.32	32066
9-Jun-16	Jul'16	3113	13,265.00	41,293.95	32339
10-Jun-16	Jul'16	3116	13,297.50	41,435.01	32566
13-Jun-16	Jul'16	3135	13,278.50	41,628.10	32872
14-Jun-16	Jul'16	3147	13,365.00	42,059.66	32848
15-Jun-16	Jul'16	3145	13,372.50	42,056.51	33133
16-Jun-16	Jul'16	3160	13,367.50	42,241.30	33138
17-Jun-16	Jul'16	3059	13,337.50	40,799.41	32000
27-Jun-16	Jul'16	3023	13,340.00	40,326.82	31891
22-Mar-16	Sep'16	3054	13,180.00	40,251.72	31716
23-Mar-16	Sep'16	3022	13,177.50	39,822.41	31258

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
4-Apr-16	Sep'16	2881	13,166.50	37,932.69	29384
18-Apr-16	Sep'16	2975	13,175.00	39,195.63	30776
19-Apr-16	Sep'16	3041	13,147.50	39,981.55	31289
20-Apr-16	Sep'16	3079	13,141.00	40,461.14	31698
21-Apr-16	Sep'16	3090	13,157.50	40,656.68	31947
22-Apr-16	Sep'16	3107	13,197.50	41,004.63	32117
25-Apr-16	Sep'16	3155	13,197.50	41,638.11	32849
26-Apr-16	Sep'16	3167	13,200.00	41,804.40	32942
27-Apr-16	Sep'16	3211	13,194.50	42,367.54	33359
28-Apr-16	Sep'16	3190	13,186.50	42,064.94	33188
2-May-16	Sep'16	3233	13,180.00	42,610.94	33669
3-May-16	Sep'16	3217	13,194.50	42,446.71	33403
4-May-16	Sep'16	3205	13,241.50	42,439.01	33473
9-May-16	Sep'16	3074	13,290.00	40,853.46	32002
10-May-16	Sep'16	3079	13,287.50	40,912.21	32181
11-May-16	Sep'16	3101	13,305.00	41,258.81	32294
12-May-16	Sep'16	3070	13,297.50	40,823.33	31991
13-May-16	Sep'16	3020	13,317.50	40,218.85	31421
16-May-16	Sep'16	2967	13,302.50	39,468.52	30825
17-May-16	Sep'16	2927	13,298.50	38,924.71	30231
18-May-16	Sep'16	2899	13,389.00	38,814.71	29989
19-May-16	Sep'16	2931	13,555.00	39,729.71	30710
20-May-16	Sep'16	2893	13,607.50	39,366.50	30488
23-May-16	Sep'16	2912	13,582.50	39,552.24	30797
24-May-16	Sep'16	2959	13,690.00	40,508.71	31370
25-May-16	Sep'16	2953	13,655.00	40,323.22	31446
26-May-16	Sep'16	2924	13,603.50	39,776.63	30962
27-May-16	Sep'16	2916	13,583.00	39,608.03	30773
30-May-16	Sep'16	3005	13,645.00	41,003.23	32015
31-May-16	Sep'16	3005	13,660.00	41,048.30	31954
1-Jun-16	Sep'16	3039	13,660.00	41,512.74	32750
2-Jun-16	Sep'16	3046	13,647.50	41,570.29	32648
3-Jun-16	Sep'16	3057	13,591.50	41,549.22	32584
6-Jun-16	Sep'16	3030	13,377.50	40,533.83	31948
7-Jun-16	Sep'16	3053	13,270.00	40,513.31	32089
8-Jun-16	Sep'16	3073	13,265.00	40,763.35	32066
9-Jun-16	Sep'16	3092	13,265.00	41,015.38	32339
10-Jun-16	Sep'16	3094	13,297.50	41,142.47	32566
13-Jun-16	Sep'16	3099	13,278.50	41,150.07	32872
14-Jun-16	Sep'16	3109	13,365.00	41,551.79	32848
15-Jun-16	Sep'16	3104	13,372.50	41,508.24	33133
16-Jun-16	Sep'16	3116	13,367.50	41,653.13	33138

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
17-Jun-16	Sep'16	3026	13,337.50	40,359.28	32000
21-Jun-16	Sep'16	3123	13,262.50	41,418.79	32593
22-Jun-16	Sep'16	3146	13,284.00	41,791.46	32898
23-Jun-16	Sep'16	3156	13,257.50	41,840.67	32936
24-Jun-16	Sep'16	3184	13,380.00	42,601.92	33348
27-Jun-16	Sep'16	3003	13,340.00	40,060.02	31891
28-Jun-16	Sep'16	2986	13,177.50	39,348.02	30885
29-Jun-16	Sep'16	3006	13,161.50	39,563.47	30912
30-Jun-16	Sep'16	3034	13,212.50	40,086.73	31277
1-Jul-16	Sep'16	2963	13,140.00	38,933.82	30417
11-Jul-16	Sep'16	2971	13,090.00	38,890.39	30408
12-Jul-16	Sep'16	3101	13,120.00	40,685.12	32002
13-Jul-16	Sep'16	3114	13,095.00	40,777.83	32019
14-Jul-16	Sep'16	3143	13,082.50	41,118.30	32343
15-Jul-16	Sep'16	3157	13,091.50	41,329.87	32503
18-Jul-16	Sep'16	3065	13,087.50	40,113.19	31482
19-Jul-16	Sep'16	3085	13,089.00	40,379.57	31655
20-Jul-16	Sep'16	2998	13,112.50	39,311.28	30663
21-Jul-16	Sep'16	2969	13,100.00	38,893.90	30372
22-Jul-16	Sep'16	2902	13,108.50	38,040.87	29536
25-Jul-16	Sep'16	2886	13,140.00	37,922.04	29421
26-Jul-16	Sep'16	2854	13,167.50	37,580.05	29076
27-Jul-16	Sep'16	2851	13,140.00	37,462.14	28996
28-Jul-16	Sep'16	2857	13,101.00	37,429.56	29030
29-Jul-16	Sep'16	2850	13,098.50	37,330.73	28905
1-Aug-16	Sep'16	2835	13,071.00	37,056.29	28698
2-Aug-16	Sep'16	2926	13,097.50	38,323.29	29766
3-Aug-16	Sep'16	2896	13,125.00	38,010.00	29492
4-Aug-16	Sep'16	2993	13,137.50	39,320.54	30693
5-Aug-16	Sep'16	2991	13,128.50	39,267.34	30639
8-Aug-16	Sep'16	3021	13,130.00	39,665.73	31038
9-Aug-16	Sep'16	3031	13,132.50	39,804.61	31130
10-Aug-16	Sep'16	2976	13,113.50	39,025.78	30457
11-Aug-16	Sep'16	3020	13,117.00	39,613.34	30953
12-Aug-16	Sep'16	3002	13,121.00	39,389.24	30757
15-Aug-16	Sep'16	2993	13,112.50	39,245.71	30653
16-Aug-16	Sep'16	3030	13,096.00	39,680.88	31036
18-Aug-16	Sep'16	3055	13,116.50	40,070.91	31369
19-Aug-16	Sep'16	3055	13,157.50	40,196.16	31381
20-Apr-16	Des'16	3067	13,141.00	40,303.45	31698
21-Apr-16	Des'16	3082	13,157.50	40,551.42	31947
22-Apr-16	Des'16	3098	13,197.50	40,885.86	32117

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
19-May-16	Des'16	2940	13,555.00	39,851.70	30710
23-May-16	Des'16	2924	13,582.50	39,715.23	30797
24-May-16	Des'16	2967	13,690.00	40,618.23	31370
25-May-16	Des'16	2964	13,655.00	40,473.42	31446
26-May-16	Des'16	2937	13,603.50	39,953.48	30962
27-May-16	Des'16	2921	13,583.00	39,675.94	30773
1-Jun-16	Des'16	3026	13,660.00	41,335.16	32750
2-Jun-16	Des'16	3027	13,647.50	41,310.98	32648
3-Jun-16	Des'16	3042	13,591.50	41,345.34	32584
6-Jun-16	Des'16	3011	13,377.50	40,279.65	31948
7-Jun-16	Des'16	3034	13,270.00	40,261.18	32089
8-Jun-16	Des'16	3055	13,265.00	40,524.58	32066
9-Jun-16	Des'16	3072	13,265.00	40,750.08	32339
10-Jun-16	Des'16	3075	13,297.50	40,889.81	32566
13-Jun-16	Des'16	3079	13,278.50	40,884.50	32872
14-Jun-16	Des'16	3086	13,365.00	41,244.39	32848
15-Jun-16	Des'16	3079	13,372.50	41,173.93	33133
16-Jun-16	Des'16	3091	13,367.50	41,318.94	33138
17-Jun-16	Des'16	3004	13,337.50	40,065.85	32000
21-Jun-16	Des'16	3101	13,262.50	41,127.01	32593
22-Jun-16	Des'16	3123	13,284.00	41,485.93	32898
23-Jun-16	Des'16	3132	13,257.50	41,522.49	32936
24-Jun-16	Des'16	3161	13,380.00	42,294.18	33348
27-Jun-16	Des'16	2970	13,340.00	39,619.80	31891
28-Jun-16	Des'16	2961	13,177.50	39,018.58	30885
29-Jun-16	Des'16	2978	13,161.50	39,194.95	30912
30-Jun-16	Des'16	3005	13,212.50	39,703.56	31277
1-Jul-16	Des'16	2938	13,140.00	38,605.32	30417
11-Jul-16	Des'16	2985	13,090.00	39,073.65	30408
12-Jul-16	Des'16	3070	13,120.00	40,278.40	32002
13-Jul-16	Des'16	3085	13,095.00	40,398.08	32019
14-Jul-16	Des'16	3115	13,082.50	40,751.99	32343
15-Jul-16	Des'16	3133	13,091.50	41,015.67	32503
18-Jul-16	Des'16	3050	13,087.50	39,916.88	31482
19-Jul-16	Des'16	3073	13,089.00	40,222.50	31655
20-Jul-16	Des'16	2994	13,112.50	39,258.83	30663
21-Jul-16	Des'16	2970	13,100.00	38,907.00	30372
22-Jul-16	Des'16	2911	13,108.50	38,158.84	29536
25-Jul-16	Des'16	2896	13,140.00	38,053.44	29421
26-Jul-16	Des'16	2860	13,167.50	37,659.05	29076
27-Jul-16	Des'16	2860	13,140.00	37,580.40	28996
28-Jul-16	Des'16	2866	13,101.00	37,547.47	29030

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
29-Jul-16	Des'16	2857	13,098.50	37,422.41	28905
1-Aug-16	Des'16	2846	13,071.00	37,200.07	28698
2-Aug-16	Des'16	2922	13,097.50	38,270.90	29766
3-Aug-16	Des'16	2889	13,125.00	37,918.13	29492
4-Aug-16	Des'16	2971	13,137.50	39,031.51	30693
5-Aug-16	Des'16	2962	13,128.50	38,886.62	30639
8-Aug-16	Des'16	2987	13,130.00	39,219.31	31038
9-Aug-16	Des'16	2975	13,132.50	39,069.19	31130
10-Aug-16	Des'16	2953	13,113.50	38,724.17	30457
11-Aug-16	Des'16	3005	13,117.00	39,416.59	30953
12-Aug-16	Des'16	2993	13,121.00	39,271.15	30757
15-Aug-16	Des'16	2981	13,112.50	39,088.36	30653
16-Aug-16	Des'16	3015	13,096.00	39,484.44	31036
18-Aug-16	Des'16	3079	13,116.50	40,385.70	31369
19-Aug-16	Des'16	3113	13,157.50	40,959.30	31381
22-Aug-16	Des'16	3099	13,211.50	40,942.44	32090
23-Aug-16	Des'16	2984	13,219.00	39,445.50	30768
24-Aug-16	Des'16	3041	13,247.50	40,285.65	31532
25-Aug-16	Des'16	3017	13,241.50	39,949.61	31281
26-Aug-16	Des'16	3028	13,206.00	39,987.77	31353
29-Aug-16	Des'16	3015	13,265.00	39,993.98	31276
30-Aug-16	Des'16	2925	13,277.50	38,836.69	30167
31-Aug-16	Des'16	2890	13,267.50	38,343.08	29839
1-Sep-16	Des'16	2898	13,268.00	38,450.66	29865
2-Sep-16	Des'16	2897	13,247.00	38,376.56	29835
5-Sep-16	Des'16	2900	13,152.50	38,142.25	29726
6-Sep-16	Des'16	2900	13,126.50	38,066.85	29647
7-Sep-16	Des'16	2923	13,085.00	38,247.46	29747
8-Sep-16	Des'16	2909	13,062.50	37,998.81	29591
13-Sep-16	Des'16	2790	13,170.00	36,744.30	28321
14-Sep-16	Des'16	2782	13,204.50	36,734.92	28391
15-Sep-16	Des'16	2809	13,175.00	37,008.58	28630
16-Sep-16	Des'16	2832	13,157.50	37,262.04	28774
19-Sep-16	Des'16	2803	13,156.00	36,876.27	28503
20-Sep-16	Des'16	2872	13,152.50	37,773.98	29271
21-Sep-16	Des'16	2866	13,135.50	37,646.34	29214
22-Sep-16	Des'16	2877	13,090.00	37,659.93	29232
23-Sep-16	Des'16	2920	13,076.50	38,183.38	29739
26-Sep-16	Des'16	2852	13,030.00	37,161.56	30953
27-Sep-16	Des'16	2845	12,955.00	36,856.98	28698
28-Sep-16	Des'16	2868	12,947.50	37,133.43	28744
29-Sep-16	Des'16	2825	12,975.00	36,654.38	28300

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Spot (IDR/Kg)
30-Sep-16	Des'16	2728	13,051.00	35,603.13	27266
3-Oct-16	Des'16	2761	12,982.50	35,844.68	27677
4-Oct-16	Des'16	2793	12,981.50	36,257.33	28005
5-Oct-16	Des'16	2815	12,997.50	36,587.96	28277
6-Oct-16	Des'16	2836	12,987.00	36,831.13	28516
10-Oct-16	Des'16	2836	12,977.50	36,804.19	28538
11-Oct-16	Des'16	2657	13,012.50	34,574.21	26423
12-Oct-16	Des'16	2665	13,018.50	34,694.30	26580
13-Oct-16	Des'16	2643	13,077.50	34,563.83	26332
14-Oct-16	Des'16	2696	13,044.50	35,167.97	26993
17-Oct-16	Des'16	2718	13,068.50	35,520.18	27266
18-Oct-16	Des'16	2690	13,032.00	35,056.08	26916
19-Oct-16	Des'16	2698	13,007.50	35,094.24	26934
20-Oct-16	Des'16	2724	13,007.50	35,432.43	27221
21-Oct-16	Des'16	2717	13,045.00	35,443.27	27183
24-Oct-16	Des'16	2725	13,013.00	35,460.43	27333
25-Oct-16	Des'16	2705	13,006.00	35,181.23	27047
26-Oct-16	Des'16	2735	13,007.50	35,575.51	27346
27-Oct-16	Des'16	2769	13,033.00	36,088.38	27807
28-Oct-16	Des'16	2732	13,050.50	35,653.97	27418
31-Oct-16	Des'16	2756	13,048.00	35,960.29	27706
1-Nov-16	Des'16	2735	13,041.50	35,668.50	27428
2-Nov-16	Des'16	2696	13,056.00	35,198.98	27016
3-Nov-16	Des'16	2709	13,075.00	35,420.18	27152
4-Nov-16	Des'16	2705	13,070.00	35,354.35	27215
7-Nov-16	Des'16	2581	13,088.00	33,780.13	25711
8-Nov-16	Des'16	2491	13,084.00	32,592.24	24667
9-Nov-16	Des'16	2501	13,099.00	32,760.60	24773
10-Nov-16	Des'16	2474	13,137.50	32,502.18	24519
11-Nov-16	Des'16	2450	13,287.50	32,554.38	24664
14-Nov-16	Des'16	2453	13,357.50	32,765.95	24715
15-Nov-16	Des'16	2392	13,362.50	31,963.10	23946
16-Nov-16	Des'16	2378	13,377.50	31,811.70	23794
17-Nov-16	Des'16	2378	13,372.50	31,799.81	23861
18-Nov-16	Des'16	2378	13,427.50	31,930.60	23902

Sumber: BAPPEBTI, BBJ, dan Investing.com

Lampiran 12

Harga Harian Kopi Robusta *Futures* 2012 dan 2013

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
2-Jan-12	Jan'12	1766	9,080	16,035.28	1-Aug-12	Jan'13	2173	9,443	20,518.55
3-Jan-12	Jan'12	1766	9,135	16,132.41	2-Aug-12	Jan'13	2157	9,468	20,421.40
4-Jan-12	Jan'12	1800	9,145	16,461.00	3-Aug-12	Jan'13	2165	9,468	20,497.14
5-Jan-12	Jan'12	1796	9,125	16,388.50	6-Aug-12	Jan'13	2170	9,465	20,539.05
6-Jan-12	Jan'12	1758	9,095	15,989.01	7-Aug-12	Jan'13	2176	9,468	20,601.28
9-Jan-12	Jan'12	1704	9,150	15,591.60	8-Aug-12	Jan'13	2171	9,471	20,560.46
10-Jan-12	Jan'12	1741	9,155	15,938.86	9-Aug-12	Jan'13	2158	9,472	20,439.50
11-Jan-12	Jan'12	1781	9,160	16,313.96	10-Aug-12	Jan'13	2150	9,478	20,376.63
12-Jan-12	Jan'12	1816	9,160	16,634.56	13-Aug-12	Jan'13	2149	9,485	20,383.27
13-Jan-12	Jan'12	1865	9,080	16,934.20	14-Aug-12	Jan'13	2130	9,483	20,197.73
16-Jan-12	Jan'12	1817	9,130	16,589.21	15-Aug-12	Jan'13	2080	9,498	19,754.80
17-Jan-12	Jan'12	1839	9,085	16,707.32	16-Aug-12	Jan'13	2091	9,490	19,843.59
18-Jan-12	Jan'12	1830	9,030	16,524.90	23-Aug-12	Jan'13	2082	9,494	19,766.51
19-Jan-12	Jan'12	1834	8,970	16,450.98	24-Aug-12	Jan'13	2046	9,505	19,447.23
20-Jan-12	Jan'12	1863	8,945	16,664.54	27-Aug-12	Jan'13	2058	9,515	19,581.87
24-Jan-12	Jan'12	1876	9,003	16,888.69	28-Aug-12	Jan'13	2058	9,535	19,623.03
25-Jan-12	Jan'12	1876	8,890	16,677.64	29-Aug-12	Jan'13	2076	9,548	19,820.61
26-Jan-12	Jan'12	1877	8,965	16,827.31	30-Aug-12	Jan'13	2080	9,545	19,853.60
27-Jan-12	Jan'12	1862	8,973	16,706.80	31-Aug-12	Jan'13	2077	9,535	19,804.20
30-Jan-12	Jan'12	1860	8,990	16,721.40	3-Sep-12	Jan'13	2092	9,535	19,947.22
31-Jan-12	Jan'12	1838	8,990	16,523.62	4-Sep-12	Jan'13	2101	9,571	20,108.67
2-Jan-12	Mar'12	1810	9,080	16,434.80	5-Sep-12	Jan'13	2093	9,570	20,030.01
3-Jan-12	Mar'12	1810	9,135	16,534.35	6-Sep-12	Jan'13	2054	9,565	19,646.51
4-Jan-12	Mar'12	1820	9,145	16,643.90	7-Sep-12	Jan'13	2027	9,570	19,398.39
5-Jan-12	Mar'12	1811	9,125	16,525.38	10-Sep-12	Jan'13	2061	9,577	19,738.20
6-Jan-12	Mar'12	1774	9,095	16,134.53	11-Sep-12	Jan'13	2069	9,578	19,815.85
9-Jan-12	Mar'12	1720	9,150	15,738.00	12-Sep-12	Jan'13	2079	9,568	19,891.87
10-Jan-12	Mar'12	1763	9,155	16,140.27	13-Sep-12	Jan'13	2088	9,578	19,997.82
11-Jan-12	Mar'12	1805	9,160	16,533.80	14-Sep-12	Jan'13	2095	9,505	19,912.98
12-Jan-12	Mar'12	1838	9,160	16,836.08	17-Sep-12	Jan'13	2007	9,463	18,991.24
13-Jan-12	Mar'12	1885	9,080	17,115.80	18-Sep-12	Jan'13	2081	9,503	19,774.70
16-Jan-12	Mar'12	1832	9,130	16,726.16	19-Sep-12	Jan'13	2042	9,538	19,475.58
17-Jan-12	Mar'12	1854	9,085	16,843.59	21-Sep-12	Jan'13	2056	9,545	19,624.52
18-Jan-12	Mar'12	1845	9,030	16,660.35	24-Sep-12	Jan'13	2099	9,563	20,071.69
19-Jan-12	Mar'12	1849	8,970	16,585.53	25-Sep-12	Jan'13	2102	9,575	20,126.65
20-Jan-12	Mar'12	1878	8,945	16,798.71	26-Sep-12	Jan'13	2154	9,585	20,646.09
24-Jan-12	Mar'12	1889	9,003	17,005.72	27-Sep-12	Jan'13	2144	9,575	20,528.80
25-Jan-12	Mar'12	1888	8,890	16,784.32	28-Sep-12	Jan'13	2201	9,570	21,063.57
26-Jan-12	Mar'12	1889	8,965	16,934.89	1-Oct-12	Jan'13	2195	9,580	21,028.10
27-Jan-12	Mar'12	1872	8,973	16,796.52	2-Oct-12	Jan'13	2188	9,580	20,961.04
30-Jan-12	Mar'12	1865	8,990	16,766.35	3-Oct-12	Jan'13	2208	9,585	21,163.68
31-Jan-12	Mar'12	1843	8,990	16,568.57	4-Oct-12	Jan'13	2188	9,590	20,982.92
1-Feb-12	Mar'12	1843	8,983	16,509.84	5-Oct-12	Jan'13	2161	9,589	20,721.83
2-Feb-12	Mar'12	1819	8,940	16,261.86	8-Oct-12	Jan'13	2113	9,591	20,265.78
3-Feb-12	Mar'12	1800	8,970	16,146.00	9-Oct-12	Jan'13	2080	9,592	19,951.36
6-Feb-12	Mar'12	1837	8,985	16,505.45	10-Oct-12	Jan'13	2074	9,592	19,893.81
7-Feb-12	Mar'12	1831	8,943	16,373.72	11-Oct-12	Jan'13	2102	9,583	20,142.42
8-Feb-12	Mar'12	1861	8,880	16,525.68	12-Oct-12	Jan'13	2079	9,578	19,911.62
9-Feb-12	Mar'12	1878	8,945	16,798.71	15-Oct-12	Jan'13	2068	9,590	19,832.12
10-Feb-12	Mar'12	1950	8,985	17,520.75	16-Oct-12	Jan'13	2064	9,585	19,783.44
13-Feb-12	Mar'12	1994	9,000	17,946.00	17-Oct-12	Jan'13	2065	9,574	19,770.31
14-Feb-12	Mar'12	2074	9,005	18,676.37	18-Oct-12	Jan'13	2058	9,588	19,732.10
15-Feb-12	Mar'12	2110	8,955	18,895.05	19-Oct-12	Jan'13	2048	9,593	19,645.44

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
16-Feb-12	Mar'12	2143	9,005	19,297.72	22-Oct-12	Jan'13	2081	9,605	19,988.01
17-Feb-12	Mar'12	2167	9,000	19,503.00	24-Oct-12	Jan'13	2058	9,610	19,777.38
20-Feb-12	Mar'12	2094	9,000	18,846.00	29-Oct-12	Jan'13	2039	9,605	19,584.60
21-Feb-12	Mar'12	1987	9,040	17,962.48	30-Oct-12	Jan'13	2015	9,615	19,374.23
22-Feb-12	Mar'12	1973	9,050	17,855.65	31-Oct-12	Jan'13	1983	9,605	19,046.72
23-Feb-12	Mar'12	1948	9,045	17,619.66	1-Nov-12	Jan'13	1968	9,620	18,932.16
24-Feb-12	Mar'12	2018	9,045	18,252.81	2-Nov-12	Jan'13	1984	9,615	19,076.16
27-Feb-12	Mar'12	2057	9,125	18,770.13	5-Nov-12	Jan'13	1976	9,620	19,009.12
28-Feb-12	Mar'12	2001	9,030	18,069.03	7-Nov-12	Jan'13	1919	9,605	18,432.00
29-Feb-12	Mar'12	2008	9,020	18,112.16	8-Nov-12	Jan'13	1929	9,630	18,576.27
1-Mar-12	Mar'12	2009	9,080	18,241.72	9-Nov-12	Jan'13	1966	9,620	18,912.92
2-Mar-12	Mar'12	2017	9,080	18,314.36	12-Nov-12	Jan'13	1976	9,620	19,009.12
5-Mar-12	Mar'12	2019	9,123	18,418.33	13-Nov-12	Jan'13	1979	9,625	19,047.88
6-Mar-12	Mar'12	2001	9,138	18,284.14	14-Nov-12	Jan'13	1902	9,625	18,306.75
7-Mar-12	Mar'12	1952	9,110	17,782.72	19-Nov-12	Jan'13	1901	9,630	18,306.63
8-Mar-12	Mar'12	2028	9,135	18,525.78	20-Nov-12	Jan'13	1898	9,633	18,283.43
9-Mar-12	Mar'12	2088	9,133	19,068.66	21-Nov-12	Jan'13	1870	9,636	18,018.39
12-Mar-12	Mar'12	2050	9,158	18,772.88	22-Nov-12	Jan'13	1862	9,628	17,926.41
13-Mar-12	Mar'12	1982	9,165	18,165.03	23-Nov-12	Jan'13	1873	9,613	18,004.21
14-Mar-12	Mar'12	1965	9,170	18,019.05	26-Nov-12	Jan'13	1859	9,600	17,846.40
15-Mar-12	Mar'12	1996	9,168	18,298.33	27-Nov-12	Jan'13	1854	9,600	17,798.40
16-Mar-12	Mar'12	2027	9,130	18,506.51	28-Nov-12	Jan'13	1911	9,600	18,345.60
19-Mar-12	Mar'12	2033	9,125	18,551.13	29-Nov-12	Jan'13	1935	9,600	18,576.00
20-Mar-12	Mar'12	2020	9,155	18,493.10	30-Nov-12	Jan'13	1938	9,594	18,592.20
21-Mar-12	Mar'12	2031	9,145	18,573.50	5-Dec-12	Jan'13	1877	9,600	18,019.20
22-Mar-12	Mar'12	2021	9,158	18,507.31	6-Dec-12	Jan'13	1881	9,610	18,076.41
26-Mar-12	Mar'12	2013	9,175	18,469.28	10-Dec-12	Jan'13	1896	9,630	18,258.48
27-Mar-12	Mar'12	2000	9,158	18,315.00	11-Dec-12	Jan'13	1874	9,635	18,055.99
29-Mar-12	Mar'12	2048	9,165	18,769.92	12-Dec-12	Jan'13	1888	9,630	18,181.44
30-Mar-12	Mar'12	2031	9,144	18,571.46	13-Dec-12	Jan'13	1897	9,635	18,277.60
2-Jan-12	Mei'12	1845	9,080	16,752.60	14-Dec-12	Jan'13	1929	9,638	18,590.74
3-Jan-12	Mei'12	1845	9,135	16,854.08	17-Dec-12	Jan'13	1908	9,640	18,393.12
4-Jan-12	Mei'12	1853	9,145	16,945.69	18-Dec-12	Jan'13	1863	9,644	17,965.84
5-Jan-12	Mei'12	1846	9,125	16,844.75	19-Dec-12	Jan'13	1847	9,650	17,823.55
6-Jan-12	Mei'12	1805	9,095	16,416.48	20-Dec-12	Jan'13	1877	9,653	18,117.74
9-Jan-12	Mei'12	1752	9,150	16,030.80	21-Dec-12	Jan'13	1918	9,658	18,523.09
10-Jan-12	Mei'12	1790	9,155	16,387.45	26-Dec-12	Jan'13	1933	9,658	18,667.95
11-Jan-12	Mei'12	1832	9,160	16,781.12	27-Dec-12	Jan'13	1933	9,663	18,677.61
12-Jan-12	Mei'12	1862	9,160	17,055.92	28-Dec-12	Jan'13	1960	9,638	18,889.50
13-Jan-12	Mei'12	1908	9,080	17,324.64	3-Jan-13	Jan'13	1988	9,655	19,194.14
16-Jan-12	Mei'12	1861	9,130	16,990.93	4-Jan-13	Jan'13	1995	9,660	19,271.70
17-Jan-12	Mei'12	1884	9,085	17,116.14	7-Jan-13	Jan'13	1997	9,668	19,306.00
18-Jan-12	Mei'12	1876	9,030	16,940.28	8-Jan-13	Jan'13	2013	9,670	19,465.71
19-Jan-12	Mei'12	1878	8,970	16,845.66	9-Jan-13	Jan'13	1965	9,660	18,981.90
20-Jan-12	Mei'12	1904	8,945	17,031.28	10-Jan-13	Jan'13	1061	9,660	10,249.26
24-Jan-12	Mei'12	1914	9,003	17,230.79	11-Jan-13	Jan'13	1968	9,635	18,961.68
25-Jan-12	Mei'12	1911	8,890	16,988.79	14-Jan-13	Jan'13	1994	9,635	19,212.19
26-Jan-12	Mei'12	1914	8,965	17,159.01	15-Jan-13	Jan'13	1994	9,650	19,242.10
27-Jan-12	Mei'12	1899	8,973	17,038.78	16-Jan-13	Jan'13	1998	9,655	19,290.69
30-Jan-12	Mei'12	1892	8,990	17,009.08	18-Jan-13	Jan'13	2028	9,630	19,529.64
31-Jan-12	Mei'12	1870	8,990	16,811.30	21-Jan-13	Jan'13	1968	9,618	18,927.24
1-Feb-12	Mei'12	1870	8,983	16,554.75	22-Jan-13	Jan'13	1968	9,620	18,932.16
2-Feb-12	Mei'12	1848	8,940	16,521.12	23-Jan-13	Jan'13	1988	9,625	19,134.50
3-Feb-12	Mei'12	1826	8,970	16,379.22	25-Jan-13	Jan'13	1996	9,653	19,266.39
6-Feb-12	Mei'12	1864	8,985	16,748.04	28-Jan-13	Jan'13	1987	9,678	19,229.19
7-Feb-12	Mei'12	1857	8,943	16,606.22	29-Jan-13	Jan'13	1990	9,678	19,258.23
8-Feb-12	Mei'12	1876	8,880	16,658.88	30-Jan-13	Jan'13	1986	9,688	19,239.38

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
9-Feb-12	Mei'12	1890	8,945	16,906.05	31-Jan-13	Jan'13	2018	9,698	19,569.56
10-Feb-12	Mei'12	1930	8,985	17,341.05	2-Oct-12	Mar'13	2199	9,580	21,066.42
13-Feb-12	Mei'12	1934	9,000	17,406.00	3-Oct-12	Mar'13	2220	9,585	21,278.70
14-Feb-12	Mei'12	1944	9,005	17,505.72	4-Oct-12	Mar'13	2200	9,590	21,098.00
15-Feb-12	Mei'12	1954	8,955	17,498.07	5-Oct-12	Mar'13	2170	9,589	20,808.13
16-Feb-12	Mei'12	1979	9,005	17,820.90	8-Oct-12	Mar'13	2126	9,591	20,390.47
17-Feb-12	Mei'12	2039	9,000	18,351.00	9-Oct-12	Mar'13	2093	9,592	20,076.06
20-Feb-12	Mei'12	1994	9,000	17,946.00	10-Oct-12	Mar'13	2087	9,592	20,018.50
21-Feb-12	Mei'12	1987	9,040	17,962.48	11-Oct-12	Mar'13	2116	9,583	20,276.57
22-Feb-12	Mei'12	1973	9,050	17,855.65	12-Oct-12	Mar'13	2094	9,578	20,055.29
23-Feb-12	Mei'12	1950	9,045	17,637.75	15-Oct-12	Mar'13	2084	9,590	19,985.56
24-Feb-12	Mei'12	2018	9,045	18,252.81	16-Oct-12	Mar'13	2082	9,585	19,955.97
27-Feb-12	Mei'12	2056	9,125	18,761.00	17-Oct-12	Mar'13	2082	9,574	19,933.07
28-Feb-12	Mei'12	2012	9,030	18,168.36	18-Oct-12	Mar'13	2077	9,588	19,914.28
29-Feb-12	Mei'12	2008	9,020	18,112.16	19-Oct-12	Mar'13	2068	9,593	19,837.29
1-Mar-12	Mei'12	2009	9,080	18,241.72	22-Oct-12	Mar'13	2099	9,605	20,160.90
2-Mar-12	Mei'12	2018	9,080	18,323.44	24-Oct-12	Mar'13	2075	9,610	19,940.75
5-Mar-12	Mei'12	2020	9,123	18,427.45	29-Oct-12	Mar'13	2053	9,605	19,719.07
6-Mar-12	Mei'12	2003	9,138	18,302.41	30-Oct-12	Mar'13	2033	9,615	19,547.30
7-Mar-12	Mei'12	1955	9,110	17,810.05	31-Oct-12	Mar'13	2001	9,605	19,219.61
8-Mar-12	Mei'12	2031	9,135	18,553.19	1-Nov-12	Mar'13	1987	9,620	19,114.94
9-Mar-12	Mei'12	2088	9,133	19,068.66	2-Nov-12	Mar'13	2000	9,615	19,230.00
12-Mar-12	Mei'12	2050	9,158	18,772.88	5-Nov-12	Mar'13	1993	9,620	19,172.66
13-Mar-12	Mei'12	1986	9,165	18,201.69	7-Nov-12	Mar'13	1937	9,605	18,604.89
14-Mar-12	Mei'12	1972	9,170	18,083.24	8-Nov-12	Mar'13	1946	9,630	18,739.98
15-Mar-12	Mei'12	2003	9,168	18,362.50	9-Nov-12	Mar'13	1982	9,620	19,066.84
16-Mar-12	Mei'12	2034	9,130	18,570.42	12-Nov-12	Mar'13	1993	9,620	19,172.66
19-Mar-12	Mei'12	2040	9,125	18,615.00	13-Nov-12	Mar'13	1995	9,625	19,201.88
20-Mar-12	Mei'12	2024	9,155	18,529.72	14-Nov-12	Mar'13	1920	9,625	18,480.00
21-Mar-12	Mei'12	2032	9,145	18,582.64	19-Nov-12	Mar'13	1915	9,630	18,441.45
22-Mar-12	Mei'12	2022	9,158	18,516.47	20-Nov-12	Mar'13	1913	9,633	18,427.93
26-Mar-12	Mei'12	2033	9,175	18,652.78	21-Nov-12	Mar'13	1885	9,636	18,162.92
27-Mar-12	Mei'12	2015	9,158	18,452.36	22-Nov-12	Mar'13	1875	9,628	18,051.56
28-Mar-12	Mei'12	2059	9,148	18,834.70	23-Nov-12	Mar'13	1887	9,613	18,138.79
29-Mar-12	Mei'12	2058	9,165	18,861.57	26-Nov-12	Mar'13	1873	9,600	17,980.80
30-Mar-12	Mei'12	2041	9,144	18,662.90	27-Nov-12	Mar'13	1864	9,600	17,894.40
2-Apr-12	Mei'12	2026	9,140	18,517.64	28-Nov-12	Mar'13	1919	9,600	18,422.40
3-Apr-12	Mei'12	2036	9,130	18,588.68	29-Nov-12	Mar'13	1936	9,600	18,585.60
4-Apr-12	Mei'12	2026	9,140	18,517.64	30-Nov-12	Mar'13	1942	9,594	18,630.58
5-Apr-12	Mei'12	1991	9,110	18,138.01	5-Dec-12	Mar'13	1881	9,600	18,057.60
9-Apr-12	Mei'12	1987	9,150	18,181.05	6-Dec-12	Mar'13	1886	9,610	18,124.46
10-Apr-12	Mei'12	1987	9,150	18,181.05	10-Dec-12	Mar'13	1904	9,630	18,335.52
11-Apr-12	Mei'12	1975	9,153	18,076.19	11-Dec-12	Mar'13	1880	9,635	18,113.80
12-Apr-12	Mei'12	2009	9,163	18,407.46	12-Dec-12	Mar'13	1884	9,630	18,142.92
13-Apr-12	Mei'12	1991	9,140	18,197.74	13-Dec-12	Mar'13	1890	9,635	18,210.15
16-Apr-12	Mei'12	1998	9,175	18,331.65	14-Dec-12	Mar'13	1892	9,638	18,234.15
17-Apr-12	Mei'12	1992	9,180	18,286.56	17-Dec-12	Mar'13	1872	9,640	18,046.08
18-Apr-12	Mei'12	2003	9,178	18,382.53	18-Dec-12	Mar'13	1841	9,644	17,753.68
19-Apr-12	Mei'12	2019	9,179	18,532.40	19-Dec-12	Mar'13	1842	9,650	17,775.30
20-Apr-12	Mei'12	2010	9,184	18,458.84	20-Dec-12	Mar'13	1869	9,653	18,040.52
23-Apr-12	Mei'12	2033	9,187	18,676.15	21-Dec-12	Mar'13	1887	9,658	18,223.70
24-Apr-12	Mei'12	2025	9,193	18,614.81	26-Dec-12	Mar'13	1894	9,658	18,291.31
25-Apr-12	Mei'12	2025	9,198	18,624.94	27-Dec-12	Mar'13	1894	9,663	18,300.78
26-Apr-12	Mei'12	2000	9,185	18,370.00	28-Dec-12	Mar'13	1920	9,638	18,504.00
27-Apr-12	Mei'12	1984	9,189	18,230.98	3-Jan-13	Mar'13	1942	9,655	18,750.01
28-May-12	Mei'12	2215	9,330	20,665.95	4-Jan-13	Mar'13	1945	9,660	18,788.70
6-Feb-12	Jul'12	1892	8,985	16,999.62	7-Jan-13	Mar'13	1948	9,668	18,832.29

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
7-Feb-12	Jul'12	1885	8,943	16,856.61	8-Jan-13	Mar'13	1963	9,670	18,982.21
8-Feb-12	Jul'12	1900	8,880	16,872.00	9-Jan-13	Mar'13	1915	9,660	18,498.90
9-Feb-12	Jul'12	1914	8,945	17,120.73	10-Jan-13	Mar'13	1911	9,660	18,460.26
10-Feb-12	Jul'12	1949	8,985	17,511.77	11-Jan-13	Mar'13	1918	9,635	18,479.93
13-Feb-12	Jul'12	1957	9,000	17,613.00	14-Jan-13	Mar'13	1944	9,635	18,730.44
14-Feb-12	Jul'12	1967	9,005	17,712.84	15-Jan-13	Mar'13	1944	9,650	18,759.60
15-Feb-12	Jul'12	1977	8,955	17,704.04	16-Jan-13	Mar'13	1953	9,655	18,856.22
16-Feb-12	Jul'12	1994	9,005	17,955.97	18-Jan-13	Mar'13	1978	9,630	19,048.14
17-Feb-12	Jul'12	2050	9,000	18,450.00	21-Jan-13	Mar'13	1918	9,618	18,446.37
20-Feb-12	Jul'12	2007	9,000	18,063.00	22-Jan-13	Mar'13	1918	9,620	18,451.16
21-Feb-12	Jul'12	2006	9,040	18,134.24	23-Jan-13	Mar'13	1939	9,625	18,662.88
22-Feb-12	Jul'12	1989	9,050	18,000.45	25-Jan-13	Mar'13	1946	9,653	18,783.77
23-Feb-12	Jul'12	1960	9,045	17,728.20	28-Jan-13	Mar'13	1950	9,678	18,871.13
24-Feb-12	Jul'12	2001	9,045	18,099.05	29-Jan-13	Mar'13	1942	9,678	18,793.71
27-Feb-12	Jul'12	2021	9,125	18,441.63	30-Jan-13	Mar'13	1936	9,688	18,755.00
28-Feb-12	Jul'12	1995	9,030	18,014.85	31-Jan-13	Mar'13	1968	9,698	19,084.68
29-Feb-12	Jul'12	1992	9,020	17,967.84	1-Feb-13	Mar'13	2009	9,713	19,512.41
1-Mar-12	Jul'12	1989	9,080	18,060.12	4-Feb-13	Mar'13	2049	9,671	19,814.85
2-Mar-12	Jul'12	1998	9,080	18,141.84	5-Feb-13	Mar'13	2036	9,676	19,699.32
5-Mar-12	Jul'12	1999	9,123	18,235.88	6-Feb-13	Mar'13	2066	9,710	20,060.86
6-Mar-12	Jul'12	1985	9,138	18,137.94	7-Feb-13	Mar'13	2069	9,693	20,053.78
7-Mar-12	Jul'12	1944	9,110	17,709.84	8-Feb-13	Mar'13	2098	9,667	20,281.37
8-Mar-12	Jul'12	1995	9,135	18,224.33	11-Feb-13	Mar'13	2123	9,620	20,423.26
9-Mar-12	Jul'12	2040	9,133	18,630.30	12-Feb-13	Mar'13	2078	9,646	20,043.35
12-Mar-12	Jul'12	2011	9,158	18,415.73	13-Feb-13	Mar'13	2070	9,647	19,968.26
13-Mar-12	Jul'12	1971	9,165	18,064.22	15-Feb-13	Mar'13	2066	9,670	19,977.19
14-Mar-12	Jul'12	1966	9,170	18,028.22	21-Feb-13	Mar'13	2021	9,703	19,608.75
15-Mar-12	Jul'12	1978	9,168	18,133.32	25-Feb-13	Mar'13	2048	9,705	19,875.84
16-Mar-12	Jul'12	2004	9,130	18,296.52	26-Feb-13	Mar'13	2085	9,707	20,239.10
19-Mar-12	Jul'12	2002	9,125	18,268.25	27-Feb-13	Mar'13	2040	9,686	19,758.42
20-Mar-12	Jul'12	1997	9,155	18,282.54	28-Feb-13	Mar'13	2051	9,664	19,819.84
21-Mar-12	Jul'12	2002	9,145	18,308.29	1-Mar-13	Mar'13	2058	9,678	19,916.30
22-Mar-12	Jul'12	2008	9,158	18,388.26	4-Mar-13	Mar'13	2072	9,706	20,110.83
26-Mar-12	Jul'12	2021	9,175	18,542.68	5-Mar-13	Mar'13	2071	9,693	20,073.17
27-Mar-12	Jul'12	2009	9,158	18,397.42	6-Mar-13	Mar'13	2050	9,688	19,859.38
28-Mar-12	Jul'12	2051	9,148	18,761.52	7-Mar-13	Mar'13	2085	9,693	20,208.86
29-Mar-12	Jul'12	2049	9,165	18,779.09	8-Mar-13	Mar'13	2123	9,685	20,560.19
30-Mar-12	Jul'12	2038	9,144	18,635.47	11-Mar-13	Mar'13	2151	9,697	20,858.25
2-Apr-12	Jul'12	2040	9,140	18,645.60	13-Mar-13	Mar'13	2161	9,691	20,941.17
3-Apr-12	Jul'12	2050	9,130	18,716.50	14-Mar-13	Mar'13	2163	9,703	20,986.51
4-Apr-12	Jul'12	2038	9,140	18,627.32	19-Mar-13	Mar'13	2145	9,712	20,832.24
5-Apr-12	Jul'12	2010	9,110	18,311.10	20-Mar-13	Mar'13	2124	9,724	20,653.78
9-Apr-12	Jul'12	2005	9,150	18,345.75	21-Mar-13	Mar'13	2105	9,733	20,487.97
10-Apr-12	Jul'12	2005	9,150	18,345.75	22-Mar-13	Mar'13	2112	9,743	20,576.16
11-Apr-12	Jul'12	1991	9,153	18,222.63	25-Mar-13	Mar'13	2095	9,734	20,392.73
12-Apr-12	Jul'12	2019	9,163	18,499.09	26-Mar-13	Mar'13	2074	9,732	20,183.13
13-Apr-12	Jul'12	2010	9,140	18,371.40	27-Mar-13	Mar'13	2057	9,725	20,003.30
16-Apr-12	Jul'12	2012	9,175	18,460.10	28-Mar-13	Mar'13	2023	9,718	19,658.50
17-Apr-12	Jul'12	2003	9,180	18,387.54	5-Dec-12	Mei'13	1894	9,600	18,182.40
18-Apr-12	Jul'12	2014	9,178	18,483.49	6-Dec-12	Mei'13	1899	9,610	18,249.39
19-Apr-12	Jul'12	2029	9,179	18,624.19	10-Dec-12	Mei'13	1915	9,630	18,441.45
20-Apr-12	Jul'12	2023	9,184	18,578.22	11-Dec-12	Mei'13	1892	9,635	18,229.42
23-Apr-12	Jul'12	2056	9,187	18,887.44	12-Dec-12	Mei'13	1894	9,630	18,239.22
24-Apr-12	Jul'12	2044	9,193	18,789.47	13-Dec-12	Mei'13	1898	9,635	18,287.23
25-Apr-12	Jul'12	2049	9,198	18,845.68	14-Dec-12	Mei'13	1899	9,638	18,301.61
26-Apr-12	Jul'12	2025	9,185	18,599.63	17-Dec-12	Mei'13	1882	9,640	18,142.48
27-Apr-12	Jul'12	2011	9,189	18,479.08	18-Dec-12	Mei'13	1850	9,644	17,840.48

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
30-Apr-12	Jul'12	1996	9,191	18,344.24	19-Dec-12	Mei'13	1852	9,650	17,871.80
1-May-12	Jul'12	1961	9,193	18,026.49	20-Dec-12	Mei'13	1880	9,653	18,146.70
2-May-12	Jul'12	1942	9,198	17,862.52	21-Dec-12	Mei'13	1896	9,658	18,310.62
3-May-12	Jul'12	1953	9,190	17,948.07	26-Dec-12	Mei'13	1903	9,658	18,378.22
4-May-12	Jul'12	1951	9,190	17,929.69	27-Dec-12	Mei'13	1903	9,663	18,387.74
7-May-12	Jul'12	2011	9,195	18,491.15	28-Dec-12	Mei'13	1928	9,638	18,581.10
8-May-12	Jul'12	2019	9,195	18,564.71	3-Jan-13	Mei'13	1953	9,655	18,856.22
9-May-12	Jul'12	2040	9,230	18,829.20	4-Jan-13	Mei'13	1951	9,660	18,846.66
10-May-12	Jul'12	2044	9,180	18,763.92	7-Jan-13	Mei'13	1955	9,668	18,899.96
11-May-12	Jul'12	2100	9,190	19,299.00	8-Jan-13	Mei'13	1970	9,670	19,049.90
14-May-12	Jul'12	2127	9,235	19,642.85	9-Jan-13	Mei'13	1924	9,660	18,585.84
15-May-12	Jul'12	2136	9,240	19,736.64	10-Jan-13	Mei'13	1922	9,660	18,566.52
16-May-12	Jul'12	2167	9,242	20,027.41	11-Jan-13	Mei'13	1928	9,635	18,576.28
21-May-12	Jul'12	2185	9,250	20,211.25	14-Jan-13	Mei'13	1953	9,635	18,817.16
22-May-12	Jul'12	2162	9,228	19,949.86	15-Jan-13	Mei'13	1953	9,650	18,846.45
23-May-12	Jul'12	2203	9,260	20,399.78	16-Jan-13	Mei'13	1964	9,655	18,962.42
24-May-12	Jul'12	2182	9,265	20,216.23	18-Jan-13	Mei'13	1989	9,630	19,154.07
25-May-12	Jul'12	2223	9,288	20,646.11	21-Jan-13	Mei'13	1928	9,618	18,542.54
28-May-12	Jul'12	2241	9,330	20,908.53	22-Jan-13	Mei'13	1928	9,620	18,547.36
29-May-12	Jul'12	2247	9,395	21,110.57	23-Jan-13	Mei'13	1955	9,625	18,816.88
30-May-12	Jul'12	2241	9,435	21,143.84	25-Jan-13	Mei'13	1962	9,653	18,938.21
31-May-12	Jul'12	2213	9,400	20,802.20	28-Jan-13	Mei'13	1979	9,678	19,151.77
1-Jun-12	Jul'12	2180	9,388	20,464.75	29-Jan-13	Mei'13	1962	9,678	18,987.26
4-Jun-12	Jul'12	2158	9,400	20,285.20	30-Jan-13	Mei'13	1955	9,688	18,939.06
5-Jun-12	Jul'12	2158	9,403	20,290.60	31-Jan-13	Mei'13	1982	9,698	19,220.45
6-Jun-12	Jul'12	2158	9,300	20,069.40	1-Feb-13	Mei'13	2011	9,713	19,531.84
7-Jun-12	Jul'12	2104	9,370	19,714.48	4-Feb-13	Mei'13	2049	9,671	19,814.85
8-Jun-12	Jul'12	2123	9,385	19,924.36	5-Feb-13	Mei'13	2047	9,676	19,805.75
11-Jun-12	Jul'12	2074	9,405	19,505.97	6-Feb-13	Mei'13	2071	9,710	20,109.41
12-Jun-12	Jul'12	2062	9,405	19,393.11	7-Feb-13	Mei'13	2072	9,693	20,082.86
13-Jun-12	Jul'12	2062	9,420	19,424.04	8-Feb-13	Mei'13	2079	9,667	20,097.69
14-Jun-12	Jul'12	2090	9,420	19,687.80	11-Feb-13	Mei'13	2119	9,620	20,384.78
15-Jun-12	Jul'12	2093	9,385	19,642.81	12-Feb-13	Mei'13	2098	9,646	20,236.26
18-Jun-12	Jul'12	2095	9,388	19,666.81	13-Feb-13	Mei'13	2092	9,647	20,180.48
19-Jun-12	Jul'12	2066	9,405	19,430.73	15-Feb-13	Mei'13	2092	9,670	20,228.59
20-Jun-12	Jul'12	2082	9,420	19,612.44	21-Feb-13	Mei'13	2063	9,703	20,016.26
21-Jun-12	Jul'12	2062	9,430	19,444.66	25-Feb-13	Mei'13	2087	9,705	20,254.34
22-Jun-12	Jul'12	2059	9,438	19,431.81	26-Feb-13	Mei'13	2098	9,707	20,365.29
25-Jun-12	Jul'12	2016	9,440	19,031.04	27-Feb-13	Mei'13	2086	9,686	20,203.95
26-Jun-12	Jul'12	2912	9,440	27,489.28	28-Feb-13	Mei'13	2098	9,664	20,274.02
27-Jun-12	Jul'12	2042	9,445	19,286.69	1-Mar-13	Mei'13	2108	9,678	20,400.17
28-Jun-12	Jul'12	2062	9,445	19,475.59	4-Mar-13	Mei'13	2115	9,706	20,528.19
29-Jun-12	Jul'12	2054	9,393	19,292.20	5-Mar-13	Mei'13	2122	9,693	20,567.49
2-Jul-12	Jul'12	2103	9,395	19,757.69	6-Mar-13	Mei'13	2090	9,688	20,246.88
3-Jul-12	Jul'12	2095	9,324	19,533.78	7-Mar-13	Mei'13	2113	9,693	20,480.25
4-Jul-12	Jul'12	2111	9,343	19,722.02	8-Mar-13	Mei'13	2154	9,685	20,860.41
5-Jul-12	Jul'12	2075	9,384	19,471.80	11-Mar-13	Mei'13	2181	9,697	21,149.16
6-Jul-12	Jul'12	2065	9,442	19,497.73	13-Mar-13	Mei'13	2206	9,691	21,377.24
9-Jul-12	Jul'12	2044	9,410	19,234.04	14-Mar-13	Mei'13	2203	9,703	21,374.61
10-Jul-12	Jul'12	2033	9,430	19,171.19	18-Mar-13	Mei'13	2192	9,711	21,286.51
12-Jul-12	Jul'12	2020	9,445	19,078.90	19-Mar-13	Mei'13	2176	9,712	21,133.31
13-Jul-12	Jul'12	2012	9,448	19,008.37	20-Mar-13	Mei'13	2155	9,724	20,955.22
16-Jul-12	Jul'12	2062	9,450	19,485.90	21-Mar-13	Mei'13	2152	9,733	20,945.42
17-Jul-12	Jul'12	2088	9,440	19,710.72	22-Mar-13	Mei'13	2153	9,743	20,975.60
18-Jul-12	Jul'12	2082	9,450	19,674.90	25-Mar-13	Mei'13	2139	9,734	20,821.03
19-Jul-12	Jul'12	2110	9,448	19,934.23	26-Mar-13	Mei'13	2118	9,732	20,611.32
20-Jul-12	Jul'12	2168	9,450	20,487.60	27-Mar-13	Mei'13	2090	9,725	20,324.21

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
23-Jul-12	Jul'12	2165	9,455	20,470.08	28-Mar-13	Mei'13	2054	9,718	19,959.75
24-Jul-12	Jul'12	2150	9,468	20,355.13	1-Apr-13	Mei'13	2054	9,738	20,000.83
25-Jul-12	Jul'12	2141	9,483	20,302.03	2-Apr-13	Mei'13	2051	9,737	19,970.59
26-Jul-12	Jul'12	2132	9,478	20,206.03	3-Apr-13	Mei'13	2020	9,747	19,688.94
27-Jul-12	Jul'12	2192	9,455	20,725.36	4-Apr-13	Mei'13	2047	9,749	19,956.20
30-Jul-12	Jul'12	2229	9,455	21,075.20	5-Apr-13	Mei'13	2115	9,747	20,614.91
31-Jul-12	Jul'12	2223	9,445	20,996.24	8-Apr-13	Mei'13	2011	9,749	19,604.23
2-Feb-12	Sep'12	1876	8,940	16,771.44	9-Apr-13	Mei'13	2008	9,720	19,517.76
3-Feb-12	Sep'12	1854	8,970	16,630.38	10-Apr-13	Mei'13	1992	9,690	19,302.48
28-Mar-12	Sep'12	2060	9,148	18,843.85	11-Apr-13	Mei'13	1987	9,703	19,279.86
2-Apr-12	Sep'12	2054	9,140	18,773.56	12-Apr-13	Mei'13	2006	9,713	19,483.28
3-Apr-12	Sep'12	2067	9,130	18,871.71	15-Apr-13	Mei'13	2030	9,712	19,715.36
4-Apr-12	Sep'12	2054	9,140	18,773.56	16-Apr-13	Mei'13	2024	9,717	19,667.21
5-Apr-12	Sep'12	2028	9,110	18,475.08	17-Apr-13	Mei'13	2030	9,710	19,711.30
9-Apr-12	Sep'12	2028	9,150	18,556.20	18-Apr-13	Mei'13	2034	9,715	19,759.29
10-Apr-12	Sep'12	2028	9,150	18,556.20	19-Apr-13	Mei'13	2043	9,713	19,842.64
11-Apr-12	Sep'12	2004	9,153	18,341.61	22-Apr-13	Mei'13	2056	9,718	19,979.18
12-Apr-12	Sep'12	2030	9,163	18,599.88	24-Apr-13	Mei'13	1979	9,718	19,230.93
13-Apr-12	Sep'12	2028	9,140	18,535.92	25-Apr-13	Mei'13	1952	9,718	18,969.54
16-Apr-12	Sep'12	2020	9,175	18,533.50	26-Apr-13	Mei'13	1944	9,721	18,896.65
17-Apr-12	Sep'12	2011	9,180	18,460.98	29-Apr-13	Mei'13	1961	9,721	19,061.90
18-Apr-12	Sep'12	2019	9,178	18,529.37	30-Apr-13	Mei'13	1961	9,723	19,065.82
19-Apr-12	Sep'12	2034	9,179	18,670.09	2-May-13	Mei'13	1964	9,737	19,123.47
20-Apr-12	Sep'12	2029	9,184	18,633.32	3-May-13	Mei'13	1983	9,735	19,303.51
23-Apr-12	Sep'12	2055	9,187	18,878.26	6-May-13	Mei'13	1980	9,735	19,274.31
24-Apr-12	Sep'12	2043	9,193	18,780.28	7-May-13	Mei'13	1980	9,735	19,274.31
25-Apr-12	Sep'12	2049	9,198	18,845.68	8-May-13	Mei'13	1960	9,730	19,070.80
26-Apr-12	Sep'12	2028	9,185	18,627.18	10-May-13	Mei'13	1992	9,734	19,390.13
27-Apr-12	Sep'12	2014	9,189	18,506.65	13-May-13	Mei'13	1981	9,738	19,289.99
30-Apr-12	Sep'12	2003	9,191	18,408.57	14-May-13	Mei'13	2005	9,738	19,523.69
1-May-12	Sep'12	2000	9,193	18,385.00	15-May-13	Mei'13	2005	9,748	19,543.74
2-May-12	Sep'12	1980	9,198	18,212.04	16-May-13	Mei'13	2027	9,750	19,763.25
3-May-12	Sep'12	1982	9,190	18,214.58	17-May-13	Mei'13	2016	9,756	19,667.09
4-May-12	Sep'12	1975	9,190	18,150.25	20-May-13	Mei'13	2007	9,758	19,583.30
7-May-12	Sep'12	2019	9,195	18,564.71	21-May-13	Mei'13	1980	9,763	19,329.75
8-May-12	Sep'12	2019	9,195	18,564.71	23-May-13	Mei'13	1966	9,772	19,210.77
9-May-12	Sep'12	2042	9,230	18,847.66	24-May-13	Mei'13	1954	9,773	19,095.47
10-May-12	Sep'12	2046	9,180	18,782.28	27-May-13	Mei'13	1922	9,790	18,816.38
11-May-12	Sep'12	2101	9,190	19,308.19	28-May-13	Mei'13	1922	9,793	18,821.19
14-May-12	Sep'12	2128	9,235	19,652.08	29-May-13	Mei'13	1890	9,803	18,526.73
15-May-12	Sep'12	2135	9,240	19,727.40	30-May-13	Mei'13	1860	9,805	18,237.30
16-May-12	Sep'12	2165	9,242	20,008.93	31-May-13	Mei'13	1844	9,795	18,061.98
21-May-12	Sep'12	2187	9,250	20,229.75	4-Feb-13	Jul'13	2061	9,671	19,930.90
22-May-12	Sep'12	2147	9,228	19,811.44	5-Feb-13	Jul'13	2057	9,676	19,902.50
23-May-12	Sep'12	2190	9,260	20,279.40	6-Feb-13	Jul'13	2080	9,710	20,196.80
24-May-12	Sep'12	2174	9,265	20,142.11	7-Feb-13	Jul'13	2082	9,693	20,179.79
25-May-12	Sep'12	2213	9,288	20,553.24	8-Feb-13	Jul'13	2086	9,667	20,165.36
28-May-12	Sep'12	2218	9,330	20,693.94	11-Feb-13	Jul'13	2124	9,620	20,432.88
29-May-12	Sep'12	2228	9,395	20,932.06	12-Feb-13	Jul'13	2106	9,646	20,313.42
30-May-12	Sep'12	2218	9,435	20,926.83	13-Feb-13	Jul'13	2100	9,647	20,257.65
31-May-12	Sep'12	2189	9,400	20,576.60	15-Feb-13	Jul'13	2101	9,670	20,315.62
1-Jun-12	Sep'12	2162	9,388	20,295.78	21-Feb-13	Jul'13	2073	9,703	20,113.28
4-Jun-12	Sep'12	2143	9,400	20,144.20	25-Feb-13	Jul'13	2096	9,705	20,341.68
5-Jun-12	Sep'12	2143	9,403	20,149.56	26-Feb-13	Jul'13	2092	9,707	20,307.04
6-Jun-12	Sep'12	2143	9,300	19,929.90	27-Feb-13	Jul'13	2098	9,686	20,320.18
7-Jun-12	Sep'12	2164	9,370	20,276.68	28-Feb-13	Jul'13	2109	9,664	20,380.32
8-Jun-12	Sep'12	2127	9,385	19,961.90	1-Mar-13	Jul'13	2120	9,678	20,516.30

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
11-Jun-12	Sep'12	2078	9,405	19,543.59	4-Mar-13	Jul'13	2123	9,706	20,605.84
12-Jun-12	Sep'12	2071	9,405	19,477.76	5-Mar-13	Jul'13	2132	9,693	20,664.41
13-Jun-12	Sep'12	2070	9,420	19,499.40	6-Mar-13	Jul'13	2123	9,688	20,566.56
14-Jun-12	Sep'12	2099	9,420	19,772.58	7-Mar-13	Jul'13	2120	9,693	20,548.10
15-Jun-12	Sep'12	2104	9,385	19,746.04	8-Mar-13	Jul'13	2146	9,685	20,782.94
18-Jun-12	Sep'12	2106	9,388	19,770.08	11-Mar-13	Jul'13	2175	9,697	21,090.98
19-Jun-12	Sep'12	2079	9,405	19,553.00	13-Mar-13	Jul'13	2208	9,691	21,396.62
20-Jun-12	Sep'12	2101	9,420	19,791.42	14-Mar-13	Jul'13	2207	9,703	21,413.42
21-Jun-12	Sep'12	2086	9,430	19,670.98	18-Mar-13	Jul'13	2194	9,711	21,305.93
22-Jun-12	Sep'12	2079	9,438	19,620.56	19-Mar-13	Jul'13	2179	9,712	21,162.45
25-Jun-12	Sep'12	2032	9,440	19,182.08	20-Mar-13	Jul'13	2158	9,724	20,984.39
26-Jun-12	Sep'12	2030	9,440	19,163.20	21-Mar-13	Jul'13	2152	9,733	20,945.42
27-Jun-12	Sep'12	2080	9,445	19,645.60	22-Mar-13	Jul'13	2155	9,743	20,995.09
28-Jun-12	Sep'12	2098	9,445	19,815.61	25-Mar-13	Jul'13	2140	9,734	20,830.76
29-Jun-12	Sep'12	2089	9,393	19,620.93	26-Mar-13	Jul'13	2123	9,732	20,659.97
2-Jul-12	Sep'12	2134	9,395	20,048.93	27-Mar-13	Jul'13	2102	9,725	20,440.90
3-Jul-12	Sep'12	2135	9,324	19,906.74	28-Mar-13	Jul'13	2071	9,718	20,124.94
4-Jul-12	Sep'12	2136	9,343	19,955.58	1-Apr-13	Jul'13	2071	9,738	20,166.36
5-Jul-12	Sep'12	2098	9,384	19,687.63	2-Apr-13	Jul'13	2074	9,737	20,194.54
6-Jul-12	Sep'12	2099	9,442	19,818.76	3-Apr-13	Jul'13	2058	9,747	20,059.33
9-Jul-12	Sep'12	2045	9,410	19,243.45	4-Apr-13	Jul'13	2082	9,749	20,297.42
10-Jul-12	Sep'12	2035	9,430	19,190.05	5-Apr-13	Jul'13	2057	9,747	20,049.58
12-Jul-12	Sep'12	2021	9,445	19,088.35	8-Apr-13	Jul'13	2054	9,749	20,023.42
13-Jul-12	Sep'12	2013	9,448	19,017.82	9-Apr-13	Jul'13	2055	9,720	19,974.60
16-Jul-12	Sep'12	2063	9,450	19,495.35	10-Apr-13	Jul'13	2037	9,690	19,738.53
17-Jul-12	Sep'12	2089	9,440	19,720.16	11-Apr-13	Jul'13	2032	9,703	19,716.50
18-Jul-12	Sep'12	2083	9,450	19,684.35	12-Apr-13	Jul'13	2048	9,713	19,891.20
19-Jul-12	Sep'12	2111	9,448	19,943.67	15-Apr-13	Jul'13	2069	9,712	20,094.13
20-Jul-12	Sep'12	2192	9,450	20,714.40	16-Apr-13	Jul'13	2058	9,717	19,997.59
23-Jul-12	Sep'12	2187	9,455	20,678.09	17-Apr-13	Jul'13	2071	9,710	20,109.41
24-Jul-12	Sep'12	2167	9,468	20,516.07	18-Apr-13	Jul'13	2074	9,715	20,147.87
25-Jul-12	Sep'12	2158	9,483	20,463.24	19-Apr-13	Jul'13	2084	9,713	20,240.85
26-Jul-12	Sep'12	2149	9,478	20,367.15	22-Apr-13	Jul'13	2091	9,718	20,319.29
27-Jul-12	Sep'12	2209	9,455	20,886.10	24-Apr-13	Jul'13	2011	9,718	19,541.89
30-Jul-12	Sep'12	2246	9,455	21,235.93	25-Apr-13	Jul'13	1991	9,718	19,348.54
31-Jul-12	Sep'12	2240	9,445	21,156.80	26-Apr-13	Jul'13	1384	9,721	13,453.17
1-Aug-12	Sep'12	2237	9,443	21,122.87	29-Apr-13	Jul'13	2007	9,721	19,509.04
2-Aug-12	Sep'12	2212	9,468	20,942.11	30-Apr-13	Jul'13	2010	9,723	19,542.23
3-Aug-12	Sep'12	2229	9,468	21,103.06	2-May-13	Jul'13	1999	9,737	19,464.26
6-Aug-12	Sep'12	2224	9,465	21,050.16	3-May-13	Jul'13	2020	9,735	19,663.69
7-Aug-12	Sep'12	2228	9,468	21,093.59	6-May-13	Jul'13	2020	9,735	19,663.69
8-Aug-12	Sep'12	2199	9,471	20,825.63	7-May-13	Jul'13	2020	9,735	19,663.69
9-Aug-12	Sep'12	2179	9,472	20,638.40	8-May-13	Jul'13	2010	9,730	19,557.30
10-Aug-12	Sep'12	2166	9,478	20,528.27	10-May-13	Jul'13	2043	9,734	19,886.56
13-Aug-12	Sep'12	2167	9,485	20,554.00	13-May-13	Jul'13	2031	9,738	19,776.86
14-Aug-12	Sep'12	2130	9,483	20,197.73	14-May-13	Jul'13	2051	9,738	19,971.61
15-Aug-12	Sep'12	2070	9,498	19,659.83	15-May-13	Jul'13	2050	9,748	19,982.38
16-Aug-12	Sep'12	2049	9,490	19,445.01	16-May-13	Jul'13	2054	9,750	20,026.50
23-Aug-12	Sep'12	2043	9,494	19,396.24	17-May-13	Jul'13	2046	9,756	19,959.75
24-Aug-12	Sep'12	2006	9,505	19,067.03	20-May-13	Jul'13	2037	9,758	19,876.03
27-Aug-12	Sep'12	2018	9,515	19,201.27	21-May-13	Jul'13	2005	9,763	19,573.81
28-Aug-12	Sep'12	2018	9,535	19,241.63	23-May-13	Jul'13	1999	9,772	19,533.23
29-Aug-12	Sep'12	2034	9,548	19,419.62	24-May-13	Jul'13	1987	9,773	19,417.96
30-Aug-12	Sep'12	2034	9,545	19,414.53	27-May-13	Jul'13	1952	9,790	19,110.08
31-Aug-12	Sep'12	2024	9,535	19,298.84	28-May-13	Jul'13	1952	9,793	19,114.96
3-Sep-12	Sep'12	2038	9,535	19,432.33	29-May-13	Jul'13	1922	9,803	18,840.41
4-Sep-12	Sep'12	2066	9,571	19,773.69	30-May-13	Jul'13	1890	9,805	18,531.45

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
5-Sep-12	Sep'12	2045	9,570	19,570.65	31-May-13	Jul'13	1884	9,795	18,453.78
6-Sep-12	Sep'12	2019	9,565	19,311.74	3-Jun-13	Jul'13	1893	9,805	18,560.87
7-Sep-12	Sep'12	2012	9,570	19,254.84	4-Jun-13	Jul'13	1884	9,800	18,463.20
10-Sep-12	Sep'12	2049	9,577	19,623.27	5-Jun-13	Jul'13	1876	9,793	18,370.73
11-Sep-12	Sep'12	2059	9,578	19,720.07	7-Jun-13	Jul'13	1862	9,805	18,256.91
12-Sep-12	Sep'12	2029	9,568	19,413.47	10-Jun-13	Jul'13	1848	9,813	18,133.50
13-Sep-12	Sep'12	2050	9,578	19,633.88	11-Jun-13	Jul'13	1845	9,825	18,127.13
14-Sep-12	Sep'12	2059	9,505	19,570.80	12-Jun-13	Jul'13	1798	9,860	17,728.28
17-Sep-12	Sep'12	2060	9,463	19,492.75	13-Jun-13	Jul'13	1747	9,883	17,264.73
18-Sep-12	Sep'12	2041	9,503	19,394.60	14-Jun-13	Jul'13	1705	9,873	16,832.61
19-Sep-12	Sep'12	2005	9,538	19,122.69	18-Jun-13	Jul'13	1738	9,905	17,214.89
21-Sep-12	Sep'12	2041	9,545	19,481.35	19-Jun-13	Jul'13	1744	9,908	17,278.68
24-Sep-12	Sep'12	2083	9,563	19,918.69	20-Jun-13	Jul'13	1779	9,925	17,656.58
25-Sep-12	Sep'12	2084	9,575	19,954.30	21-Jun-13	Jul'13	1721	9,925	17,080.93
26-Sep-12	Sep'12	2144	9,585	20,550.24	24-Jun-13	Jul'13	1735	9,930	17,228.55
27-Sep-12	Sep'12	2130	9,575	20,394.75	25-Jun-13	Jul'13	1749	9,920	17,350.08
28-Sep-12	Sep'12	2188	9,570	20,939.16	26-Jun-13	Jul'13	1732	9,925	17,190.10
30-Apr-12	Nov'12	2000	9,191	18,381.00	27-Jun-13	Jul'13	1707	9,925	16,941.98
1-May-12	Nov'12	2012	9,193	18,495.31	28-Jun-13	Jul'13	1729	9,925	17,160.33
2-May-12	Nov'12	1993	9,198	18,331.61	1-Jul-13	Jul'13	1731	9,928	17,184.50
3-May-12	Nov'12	1994	9,190	18,324.86	2-Jul-13	Jul'13	1755	9,933	17,432.42
4-May-12	Nov'12	1985	9,190	18,242.15	3-Jul-13	Jul'13	1805	9,940	17,941.70
7-May-12	Nov'12	2019	9,195	18,564.71	4-Jul-13	Jul'13	1794	9,940	17,832.36
8-May-12	Nov'12	2011	9,195	18,491.15	5-Jul-13	Jul'13	1790	9,943	17,797.08
9-May-12	Nov'12	2033	9,230	18,764.59	8-Jul-13	Jul'13	1787	9,955	17,789.59
10-May-12	Nov'12	2042	9,180	18,745.56	9-Jul-13	Jul'13	1802	9,958	17,943.42
11-May-12	Nov'12	2098	9,190	19,280.62	10-Jul-13	Jul'13	1839	9,965	18,325.64
14-May-12	Nov'12	2124	9,235	19,615.14	11-Jul-13	Jul'13	1859	9,970	18,534.23
15-May-12	Nov'12	2131	9,240	19,690.44	12-Jul-13	Jul'13	1855	9,993	18,536.09
16-May-12	Nov'12	2162	9,242	19,981.20	15-Jul-13	Jul'13	1855	10,018	18,582.46
21-May-12	Nov'12	2176	9,250	20,128.00	16-Jul-13	Jul'13	1884	10,035	18,905.94
23-May-12	Nov'12	2182	9,260	20,205.32	17-Jul-13	Jul'13	1926	10,045	19,346.67
24-May-12	Nov'12	2164	9,265	20,049.46	18-Jul-13	Jul'13	1945	10,060	19,566.70
25-May-12	Nov'12	2199	9,288	20,423.21	19-Jul-13	Jul'13	1945	10,078	19,600.74
30-May-12	Nov'12	2203	9,435	20,785.31	22-Jul-13	Jul'13	1943	10,065	19,556.30
31-May-12	Nov'12	2175	9,400	20,445.00	23-Jul-13	Jul'13	1918	10,200	19,563.60
1-Jun-12	Nov'12	2147	9,388	20,154.96	24-Jul-13	Jul'13	1905	10,260	19,545.30
4-Jun-12	Nov'12	2127	9,400	19,993.80	25-Jul-13	Jul'13	1870	10,268	19,200.23
5-Jun-12	Nov'12	2127	9,403	19,999.12	26-Jul-13	Jul'13	1883	10,265	19,329.00
6-Jun-12	Nov'12	2127	9,300	19,781.10	29-Jul-13	Jul'13	1896	10,273	19,476.66
7-Jun-12	Nov'12	2144	9,370	20,089.28	30-Jul-13	Jul'13	1864	10,273	19,147.94
8-Jun-12	Nov'12	2117	9,385	19,868.05	31-Jul-13	Jul'13	1842	10,278	18,931.16
11-Jun-12	Nov'12	2072	9,405	19,487.16	18-Mar-13	Sep'13	2190	9,711	21,267.09
12-Jun-12	Nov'12	2063	9,405	19,402.52	1-Apr-13	Sep'13	2077	9,738	20,224.79
13-Jun-12	Nov'12	2059	9,420	19,395.78	2-Apr-13	Sep'13	2080	9,737	20,252.96
14-Jun-12	Nov'12	2084	9,420	19,631.28	3-Apr-13	Sep'13	2066	9,747	20,137.30
15-Jun-12	Nov'12	2088	9,385	19,595.88	4-Apr-13	Sep'13	2089	9,749	20,365.66
18-Jun-12	Nov'12	2090	9,388	19,619.88	5-Apr-13	Sep'13	2067	9,747	20,147.05
19-Jun-12	Nov'12	2065	9,405	19,421.33	8-Apr-13	Sep'13	2064	9,749	20,120.90
20-Jun-12	Nov'12	2088	9,420	19,668.96	9-Apr-13	Sep'13	2066	9,720	20,081.52
21-Jun-12	Nov'12	2076	9,430	19,576.68	10-Apr-13	Sep'13	2051	9,690	19,874.19
22-Jun-12	Nov'12	2073	9,438	19,563.94	11-Apr-13	Sep'13	2047	9,703	19,862.04
25-Jun-12	Nov'12	2033	9,440	19,191.52	12-Apr-13	Sep'13	2062	9,713	20,027.18
26-Jun-12	Nov'12	2029	9,440	19,153.76	15-Apr-13	Sep'13	2082	9,712	20,220.38
27-Jun-12	Nov'12	2080	9,445	19,645.60	16-Apr-13	Sep'13	2073	9,717	20,143.34
28-Jun-12	Nov'12	2100	9,445	19,834.50	17-Apr-13	Sep'13	2088	9,710	20,274.48
29-Jun-12	Nov'12	2087	9,393	19,602.15	18-Apr-13	Sep'13	2091	9,715	20,313.02

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
2-Jul-12	Nov'12	2134	9,395	20,048.93	19-Apr-13	Sep'13	2101	9,713	20,405.96
3-Jul-12	Nov'12	2135	9,324	19,906.74	22-Apr-13	Sep'13	2108	9,718	20,484.49
4-Jul-12	Nov'12	2136	9,343	19,955.58	24-Apr-13	Sep'13	2031	9,718	19,736.24
5-Jul-12	Nov'12	2102	9,384	19,725.17	25-Apr-13	Sep'13	2013	9,718	19,562.33
6-Jul-12	Nov'12	2104	9,442	19,865.97	26-Apr-13	Sep'13	2007	9,721	19,509.04
9-Jul-12	Nov'12	2049	9,410	19,281.09	29-Apr-13	Sep'13	2027	9,721	19,703.45
10-Jul-12	Nov'12	2044	9,430	19,274.92	30-Apr-13	Sep'13	2031	9,723	19,746.40
12-Jul-12	Nov'12	2032	9,445	19,192.24	2-May-13	Sep'13	2023	9,737	19,697.95
13-Jul-12	Nov'12	2023	9,448	19,112.29	3-May-13	Sep'13	2045	9,735	19,907.05
16-Jul-12	Nov'12	2068	9,450	19,542.60	6-May-13	Sep'13	2046	9,735	19,916.79
17-Jul-12	Nov'12	2083	9,440	19,663.52	7-May-13	Sep'13	2046	9,735	19,916.79
18-Jul-12	Nov'12	2079	9,450	19,646.55	8-May-13	Sep'13	2036	9,730	19,810.28
19-Jul-12	Nov'12	2096	9,448	19,801.96	10-May-13	Sep'13	2065	9,734	20,100.71
20-Jul-12	Nov'12	2171	9,450	20,515.95	13-May-13	Sep'13	2054	9,738	20,000.83
24-Jul-12	Nov'12	2152	9,468	20,374.06	14-May-13	Sep'13	2071	9,738	20,166.36
25-Jul-12	Nov'12	2143	9,483	20,321.00	15-May-13	Sep'13	2068	9,748	20,157.83
26-Jul-12	Nov'12	2141	9,478	20,291.33	16-May-13	Sep'13	2070	9,750	20,182.50
27-Jul-12	Nov'12	2179	9,455	20,602.45	17-May-13	Sep'13	2063	9,756	20,125.60
30-Jul-12	Nov'12	2200	9,455	20,801.00	20-May-13	Sep'13	2057	9,758	20,071.18
31-Jul-12	Nov'12	2196	9,445	20,741.22	21-May-13	Sep'13	2029	9,763	19,808.11
1-Aug-12	Nov'12	2206	9,443	20,830.16	23-May-13	Sep'13	2022	9,772	19,757.97
2-Aug-12	Nov'12	2192	9,468	20,752.76	24-May-13	Sep'13	2012	9,773	19,662.27
3-Aug-12	Nov'12	2199	9,468	20,819.03	27-May-13	Sep'13	1981	9,790	19,393.99
6-Aug-12	Nov'12	2201	9,465	20,832.47	28-May-13	Sep'13	1981	9,793	19,398.94
7-Aug-12	Nov'12	2215	9,468	20,970.51	29-May-13	Sep'13	1951	9,803	19,124.68
8-Aug-12	Nov'12	2194	9,471	20,778.28	30-May-13	Sep'13	1921	9,805	18,835.41
9-Aug-12	Nov'12	2177	9,472	20,619.46	31-May-13	Sep'13	1920	9,795	18,806.40
10-Aug-12	Nov'12	2168	9,478	20,547.22	3-Jun-13	Sep'13	1923	9,805	18,855.02
13-Aug-12	Nov'12	2168	9,485	20,563.48	4-Jun-13	Sep'13	1914	9,800	18,757.20
14-Aug-12	Nov'12	2142	9,483	20,311.52	5-Jun-13	Sep'13	1904	9,793	18,644.92
15-Aug-12	Nov'12	2090	9,498	19,849.78	7-Jun-13	Sep'13	1881	9,805	18,443.21
16-Aug-12	Nov'12	2090	9,490	19,834.10	10-Jun-13	Sep'13	1863	9,813	18,280.69
23-Aug-12	Nov'12	2081	9,494	19,757.01	11-Jun-13	Sep'13	1857	9,825	18,245.03
24-Aug-12	Nov'12	2041	9,505	19,399.71	12-Jun-13	Sep'13	1822	9,860	17,964.92
27-Aug-12	Nov'12	2055	9,515	19,553.33	13-Jun-13	Sep'13	1780	9,882	17,589.96
28-Aug-12	Nov'12	2055	9,535	19,594.43	14-Jun-13	Sep'13	1731	9,873	17,089.30
29-Aug-12	Nov'12	2072	9,548	19,782.42	18-Jun-13	Sep'13	1764	9,905	17,472.42
30-Aug-12	Nov'12	2070	9,545	19,758.15	19-Jun-13	Sep'13	1763	9,908	17,466.92
31-Aug-12	Nov'12	2064	9,535	19,680.24	20-Jun-13	Sep'13	1795	9,925	17,815.38
3-Sep-12	Nov'12	2077	9,535	19,804.20	21-Jun-13	Sep'13	1736	9,925	17,229.80
4-Sep-12	Nov'12	2094	9,571	20,041.67	24-Jun-13	Sep'13	1743	9,930	17,307.99
5-Sep-12	Nov'12	2081	9,570	19,915.17	25-Jun-13	Sep'13	1761	9,920	17,469.12
6-Sep-12	Nov'12	2038	9,565	19,493.47	26-Jun-13	Sep'13	1749	9,925	17,358.83
7-Sep-12	Nov'12	2012	9,570	19,254.84	27-Jun-13	Sep'13	1725	9,925	17,120.63
10-Sep-12	Nov'12	2049	9,577	19,623.27	28-Jun-13	Sep'13	1745	9,925	17,319.13
11-Sep-12	Nov'12	2059	9,578	19,720.07	1-Jul-13	Sep'13	1759	9,928	17,462.47
12-Sep-12	Nov'12	2066	9,568	19,767.49	2-Jul-13	Sep'13	1785	9,933	17,730.41
13-Sep-12	Nov'12	2073	9,578	19,854.16	3-Jul-13	Sep'13	1824	9,940	18,130.56
14-Sep-12	Nov'12	2082	9,505	19,789.41	4-Jul-13	Sep'13	1810	9,940	17,991.40
17-Sep-12	Nov'12	2083	9,463	19,710.39	5-Jul-13	Sep'13	1820	9,943	18,095.35
19-Sep-12	Nov'12	2024	9,538	19,303.90	8-Jul-13	Sep'13	1809	9,955	18,008.60
21-Sep-12	Nov'12	2041	9,545	19,481.35	9-Jul-13	Sep'13	1822	9,958	18,142.57
24-Sep-12	Nov'12	2083	9,563	19,918.69	10-Jul-13	Sep'13	1859	9,965	18,524.94
25-Sep-12	Nov'12	2084	9,575	19,954.30	11-Jul-13	Sep'13	1872	9,970	18,663.84
26-Sep-12	Nov'12	2144	9,585	20,550.24	12-Jul-13	Sep'13	1883	9,993	18,815.88
27-Sep-12	Nov'12	2130	9,575	20,394.75	15-Jul-13	Sep'13	1875	10,018	18,782.81
28-Sep-12	Nov'12	2188	9,570	20,939.16	16-Jul-13	Sep'13	1904	10,035	19,106.64

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
1-Oct-12	Nov'12	2182	9,580	20,903.56	17-Jul-13	Sep'13	1946	10,045	19,547.57
2-Oct-12	Nov'12	2179	9,580	20,874.82	18-Jul-13	Sep'13	1950	10,060	19,617.00
3-Oct-12	Nov'12	2200	9,585	21,087.00	19-Jul-13	Sep'13	1970	10,078	19,852.68
4-Oct-12	Nov'12	2180	9,590	20,906.20	22-Jul-13	Sep'13	1968	10,065	19,807.92
5-Oct-12	Nov'12	2152	9,589	20,635.53	23-Jul-13	Sep'13	1944	10,200	19,828.80
8-Oct-12	Nov'12	2095	9,591	20,093.15	24-Jul-13	Sep'13	1931	10,260	19,812.06
9-Oct-12	Nov'12	2064	9,592	19,797.89	25-Jul-13	Sep'13	1896	10,268	19,467.18
10-Oct-12	Nov'12	2066	9,592	19,817.07	26-Jul-13	Sep'13	1908	10,265	19,585.62
11-Oct-12	Nov'12	2098	9,583	20,104.09	29-Jul-13	Sep'13	1921	10,273	19,733.47
12-Oct-12	Nov'12	2076	9,578	19,882.89	30-Jul-13	Sep'13	1898	10,273	19,497.21
15-Oct-12	Nov'12	2052	9,590	19,678.68	31-Jul-13	Sep'13	1876	10,278	19,280.59
16-Oct-12	Nov'12	2036	9,585	19,515.06	1-Aug-13	Sep'13	1873	10,280	19,254.44
17-Oct-12	Nov'12	2039	9,574	19,521.39	2-Aug-13	Sep'13	1865	10,285	19,181.53
18-Oct-12	Nov'12	2032	9,588	19,482.82	12-Aug-13	Sep'13	1963	10,290	20,199.27
19-Oct-12	Nov'12	2021	9,593	19,386.44	13-Aug-13	Sep'13	1974	10,290	20,312.46
22-Oct-12	Nov'12	2063	9,605	19,815.12	14-Aug-13	Sep'13	1932	10,293	19,885.11
24-Oct-12	Nov'12	2035	9,610	19,556.35	15-Aug-13	Sep'13	1959	10,350	20,275.65
29-Oct-12	Nov'12	2021	9,605	19,411.71	16-Aug-13	Sep'13	1952	10,385	20,271.52
30-Oct-12	Nov'12	1989	9,615	19,124.24	19-Aug-13	Sep'13	1913	10,490	20,067.37
31-Oct-12	Nov'12	1955	9,605	18,777.78	20-Aug-13	Sep'13	1879	10,685	20,077.12
1-Nov-12	Nov'12	1940	9,620	18,662.80	21-Aug-13	Sep'13	1858	10,775	20,019.95
2-Nov-12	Nov'12	1985	9,615	19,085.78	22-Aug-13	Sep'13	1827	10,818	19,763.57
5-Nov-12	Nov'12	1952	9,620	18,778.24	23-Aug-13	Sep'13	1781	10,780	19,199.18
7-Nov-12	Nov'12	1903	9,605	18,278.32	26-Aug-13	Sep'13	1741	10,845	18,881.15
8-Nov-12	Nov'12	1903	9,630	18,325.89	27-Aug-13	Sep'13	1741	10,925	19,020.43
9-Nov-12	Nov'12	1943	9,620	18,691.66	28-Aug-13	Sep'13	1751	10,945	19,164.70
12-Nov-12	Nov'12	1944	9,620	18,701.28	29-Aug-13	Sep'13	1734	10,935	18,961.29
13-Nov-12	Nov'12	1951	9,625	18,778.38	30-Aug-13	Sep'13	1730	10,920	18,891.60
14-Nov-12	Nov'12	1877	9,625	18,066.13	2-Sep-13	Sep'13	1749	10,978	19,199.65
19-Nov-12	Nov'12	1899	9,630	18,287.37	3-Sep-13	Sep'13	1733	11,065	19,175.65
20-Nov-12	Nov'12	1896	9,633	18,264.17	4-Sep-13	Sep'13	1762	11,125	19,602.25
21-Nov-12	Nov'12	1862	9,636	17,941.30	5-Sep-13	Sep'13	1762	11,125	19,602.25
22-Nov-12	Nov'12	1850	9,628	17,810.88	6-Sep-13	Sep'13	1735	11,175	19,388.63
23-Nov-12	Nov'12	1862	9,613	17,898.48	9-Sep-13	Sep'13	1740	11,160	19,418.40
26-Nov-12	Nov'12	1850	9,600	17,760.00	10-Sep-13	Sep'13	1728	11,235	19,414.08
27-Nov-12	Nov'12	1839	9,600	17,654.40	11-Sep-13	Sep'13	1720	11,345	19,513.40
28-Nov-12	Nov'12	1906	9,600	18,297.60	12-Sep-13	Sep'13	1747	11,350	19,828.45
29-Nov-12	Nov'12	1930	9,600	18,528.00	13-Sep-13	Sep'13	1728	11,410	19,716.48
30-Nov-12	Nov'12	1933	9,594	18,544.24	17-Sep-13	Sep'13	1700	11,445	19,456.50
					18-Sep-13	Sep'13	1656	11,475	19,002.60
					19-Sep-13	Sep'13	1650	11,283	18,616.13
					20-Sep-13	Sep'13	1657	11,350	18,806.95
					23-Sep-13	Sep'13	1651	11,445	18,895.70
					24-Sep-13	Sep'13	1661	11,470	19,051.67
					25-Sep-13	Sep'13	1685	11,485	19,352.23
					26-Sep-13	Sep'13	1680	11,458	19,248.60
					27-Sep-13	Sep'13	1634	11,538	18,852.28
					5-Jun-13	Nov'13	1921	9,793	18,852.28
					12-Jun-13	Nov'13	1838	9,860	18,852.28
					13-Jun-13	Nov'13	1793	9,883	18,852.28
					14-Jun-13	Nov'13	1747	9,873	18,852.28
					20-Jun-13	Nov'13	1807	9,925	18,852.28
					21-Jun-13	Nov'13	1748	9,925	18,852.28
					24-Jun-13	Nov'13	1756	9,930	18,852.28
					25-Jun-13	Nov'13	1771	9,920	18,852.28
					26-Jun-13	Nov'13	1761	9,925	18,852.28
					27-Jun-13	Nov'13	1735	9,925	18,852.28

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
					28-Jun-13	Nov'13	1756	9,925	18,852.28
					1-Jul-13	Nov'13	1770	9,928	18,852.28
					2-Jul-13	Nov'13	1794	9,933	18,852.28
					3-Jul-13	Nov'13	1832	9,940	18,852.28
					5-Jul-13	Nov'13	1825	9,943	18,852.28
					8-Jul-13	Nov'13	1813	9,955	18,852.28
					9-Jul-13	Nov'13	1821	9,958	18,852.28
					10-Jul-13	Nov'13	1846	9,965	18,852.28
					11-Jul-13	Nov'13	1865	9,970	18,852.28
					12-Jul-13	Nov'13	1872	9,993	18,852.28
					15-Jul-13	Nov'13	1858	10,018	18,852.28
					16-Jul-13	Nov'13	1891	10,035	18,852.28
					17-Jul-13	Nov'13	1928	10,045	18,852.28
					18-Jul-13	Nov'13	1937	10,060	18,852.28
					19-Jul-13	Nov'13	1956	10,078	18,852.28
					22-Jul-13	Nov'13	1951	10,065	18,852.28
					23-Jul-13	Nov'13	1931	10,200	18,852.28
					24-Jul-13	Nov'13	1921	10,260	18,852.28
					25-Jul-13	Nov'13	1890	10,268	18,852.28
					26-Jul-13	Nov'13	1899	10,265	18,852.28
					29-Jul-13	Nov'13	1913	10,273	18,852.28
					30-Jul-13	Nov'13	1894	10,273	18,852.28
					2-Aug-13	Nov'13	1858	10,285	18,852.28
					12-Aug-13	Nov'13	1949	10,290	18,852.28
					13-Aug-13	Nov'13	1955	10,290	18,852.28
					14-Aug-13	Nov'13	1908	10,293	18,852.28
					15-Aug-13	Nov'13	1926	10,350	18,852.28
					16-Aug-13	Nov'13	1918	10,385	18,852.28
					19-Aug-13	Nov'13	1901	10,490	18,852.28
					20-Aug-13	Nov'13	1876	10,685	18,852.28
					21-Aug-13	Nov'13	1850	10,775	18,852.28
					22-Aug-13	Nov'13	1829	10,818	18,852.28
					23-Aug-13	Nov'13	1793	10,780	18,852.28
					26-Aug-13	Nov'13	1772	10,845	18,852.28
					27-Aug-13	Nov'13	1772	10,925	18,852.28
					28-Aug-13	Nov'13	1772	10,945	18,852.28
					29-Aug-13	Nov'13	1765	10,935	18,852.28
					30-Aug-13	Nov'13	1764	10,920	18,852.28
					2-Sep-13	Nov'13	1779	10,978	18,852.28
					3-Sep-13	Nov'13	1758	11,065	18,852.28
					4-Sep-13	Nov'13	1785	11,125	18,852.28
					5-Sep-13	Nov'13	1778	11,125	18,852.28
					6-Sep-13	Nov'13	1760	11,175	18,852.28
					9-Sep-13	Nov'13	1764	11,160	18,852.28
					10-Sep-13	Nov'13	1758	11,235	18,852.28
					11-Sep-13	Nov'13	1747	11,345	18,852.28
					12-Sep-13	Nov'13	1769	11,350	18,852.28
					13-Sep-13	Nov'13	1753	11,410	18,852.28
					17-Sep-13	Nov'13	1730	11,445	18,852.28
					18-Sep-13	Nov'13	1681	11,475	18,852.28
					19-Sep-13	Nov'13	1680	11,283	18,852.28
					20-Sep-13	Nov'13	1687	11,350	18,852.28
					23-Sep-13	Nov'13	1678	11,445	18,852.28
					24-Sep-13	Nov'13	1688	11,470	18,852.28
					25-Sep-13	Nov'13	1699	11,485	18,852.28
					26-Sep-13	Nov'13	1709	11,458	18,852.28
					27-Sep-13	Nov'13	1663	11,538	18,852.28

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
					30-Sep-13	Nov'13	1611	11,580	18,852.28
					1-Oct-13	Nov'13	1642	11,505	18,852.28
					2-Oct-13	Nov'13	1636	11,530	18,852.28
					3-Oct-13	Nov'13	1669	11,528	18,852.28
					4-Oct-13	Nov'13	1703	11,523	18,852.28
					8-Oct-13	Nov'13	1709	11,516	18,852.28
					9-Oct-13	Nov'13	1696	11,533	18,852.28
					10-Oct-13	Nov'13	1722	11,490	18,852.28
					11-Oct-13	Nov'13	1736	11,365	18,852.28
					16-Oct-13	Nov'13	1679	11,365	18,852.28
					17-Oct-13	Nov'13	1655	11,330	18,852.28
					18-Oct-13	Nov'13	1639	11,323	18,852.28
					21-Oct-13	Nov'13	1631	11,335	18,852.28
					22-Oct-13	Nov'13	1602	11,292	18,852.28
					23-Oct-13	Nov'13	1606	11,269	18,852.28
					24-Oct-13	Nov'13	1613	11,155	18,852.28
					25-Oct-13	Nov'13	1599	11,015	18,852.28
					28-Oct-13	Nov'13	1559	11,053	18,852.28
					29-Oct-13	Nov'13	1499	11,103	18,852.28
					30-Oct-13	Nov'13	1486	11,175	18,852.28
					31-Oct-13	Nov'13	1488	11,273	18,852.28
					1-Nov-13	Nov'13	1460	11,333	18,852.28
					4-Nov-13	Nov'13	1475	11,355	18,852.28
					6-Nov-13	Nov'13	1467	11,408	18,852.28
					7-Nov-13	Nov'13	1444	11,390	18,852.28
					8-Nov-13	Nov'13	1450	11,410	18,852.28
					11-Nov-13	Nov'13	1466	11,560	18,852.28
					12-Nov-13	Nov'13	1488	11,593	18,852.28
					13-Nov-13	Nov'13	1485	11,605	18,852.28
					14-Nov-13	Nov'13	1455	11,543	18,852.28
					15-Nov-13	Nov'13	1437	11,620	18,852.28
					18-Nov-13	Nov'13	1506	11,633	18,852.28
					19-Nov-13	Nov'13	1559	11,598	18,852.28
					20-Nov-13	Nov'13	1556	11,658	18,852.28
					21-Nov-13	Nov'13	1567	11,703	18,852.28
					22-Nov-13	Nov'13	1587	11,695	18,852.28
					25-Nov-13	Nov'13	1564	11,748	18,852.28
					26-Nov-13	Nov'13	1554	11,763	18,852.28
					27-Nov-13	Nov'13	1581	11,885	18,852.28
					28-Nov-13	Nov'13	1601	12,015	18,852.28
					29-Nov-13	Nov'13	1623	11,963	18,852.28

Sumber: BAPPEBTI, BBJ, dan Investing.com

Lampiran 13

Harga Harian Kopi Robusta Futures 2014 dan 2015

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
30-Sep-13	Jan'14	1620	11,580.00	18,759.60	3-Sep-14	Jan'15	2117	11,765.00	24,906.51
1-Oct-13	Jan'14	1650	11,505.00	18,983.25	4-Sep-14	Jan'15	2070	11,764.00	24,351.48
2-Oct-13	Jan'14	1643	11,530.00	18,943.79	23-Sep-14	Jan'15	1951	11,972.50	23,358.35
3-Oct-13	Jan'14	1662	11,527.50	19,158.71	24-Sep-14	Jan'15	1943	11,952.50	23,223.71
4-Oct-13	Jan'14	1693	11,522.50	19,507.59	25-Sep-14	Jan'15	1979	11,978.50	23,705.45
7-Oct-13	Jan'14	1705	11,525.00	19,650.13	26-Sep-14	Jan'15	1957	12,022.50	23,528.03
8-Oct-13	Jan'14	1704	11,516.00	19,623.26	29-Sep-14	Jan'15	1969	12,170.00	23,962.73

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
9-Oct-13	Jan'14	1687	11,532.50	19,455.33	30-Sep-14	Jan'15	1978	12,185.00	24,101.93
10-Oct-13	Jan'14	1709	11,490.00	19,636.41	1-Oct-14	Jan'15	2007	12,127.50	24,339.89
11-Oct-13	Jan'14	1723	11,365.00	19,581.90	2-Oct-14	Jan'15	2068	12,150.00	25,126.20
16-Oct-13	Jan'14	1671	11,365.00	18,990.92	3-Oct-14	Jan'15	2067	12,176.50	25,168.83
17-Oct-13	Jan'14	1648	11,330.00	18,671.84	6-Oct-14	Jan'15	2093	12,210.00	25,555.53
18-Oct-13	Jan'14	1633	11,322.50	18,489.64	8-Oct-14	Jan'15	2187	12,240.00	26,768.88
21-Oct-13	Jan'14	1618	11,335.00	18,340.03	9-Oct-14	Jan'15	2161	12,185.00	26,331.79
22-Oct-13	Jan'14	1585	11,291.50	17,897.03	10-Oct-14	Jan'15	2195	12,220.00	26,822.90
23-Oct-13	Jan'14	1579	11,269.00	17,793.75	13-Oct-14	Jan'15	2176	12,216.00	26,582.02
24-Oct-13	Jan'14	1586	11,155.00	17,691.83	14-Oct-14	Jan'15	2189	12,207.50	26,722.22
25-Oct-13	Jan'14	1582	11,015.00	17,425.73	15-Oct-14	Jan'15	2174	12,225.00	26,577.15
28-Oct-13	Jan'14	1538	11,053.00	16,999.51	16-Oct-14	Jan'15	2172	12,247.50	26,601.57
29-Oct-13	Jan'14	1500	11,102.50	16,653.75	17-Oct-14	Jan'15	2172	12,106.50	26,295.32
30-Oct-13	Jan'14	1504	11,175.00	16,807.20	20-Oct-14	Jan'15	2172	12,032.50	26,134.59
31-Oct-13	Jan'14	1509	11,272.50	17,010.20	21-Oct-14	Jan'15	2060	12,000.00	24,720.00
1-Nov-13	Jan'14	1482	11,332.50	16,794.77	22-Oct-14	Jan'15	2059	12,012.50	24,733.74
4-Nov-13	Jan'14	1489	11,355.00	16,907.60	23-Oct-14	Jan'15	2039	12,060.00	24,590.34
6-Nov-13	Jan'14	1476	11,407.50	16,837.47	24-Oct-14	Jan'15	2022	12,066.00	24,397.45
7-Nov-13	Jan'14	1454	11,390.00	16,561.06	27-Oct-14	Jan'15	2028	12,112.50	24,564.15
8-Nov-13	Jan'14	1460	11,410.00	16,658.60	28-Oct-14	Jan'15	2017	12,170.00	24,546.89
11-Nov-13	Jan'14	1476	11,560.00	17,062.56	29-Oct-14	Jan'15	2024	12,080.00	24,449.92
13-Nov-13	Jan'14	1495	11,605.00	17,349.48	30-Oct-14	Jan'15	2042	12,125.00	24,759.25
14-Nov-13	Jan'14	1465	11,542.50	16,909.76	31-Oct-14	Jan'15	2037	12,085.00	24,617.15
15-Nov-13	Jan'14	1447	11,620.00	16,814.14	3-Nov-14	Jan'15	2048	12,107.50	24,796.16
18-Nov-13	Jan'14	1511	11,632.50	17,576.71	4-Nov-14	Jan'15	2073	12,107.50	25,098.85
19-Nov-13	Jan'14	1566	11,597.50	18,161.69	5-Nov-14	Jan'15	2066	12,142.50	25,086.41
20-Nov-13	Jan'14	1563	11,657.50	18,220.67	10-Nov-14	Jan'15	2019	12,152.50	24,535.90
21-Nov-13	Jan'14	1579	11,702.50	18,478.25	11-Nov-14	Jan'15	2023	12,205.00	24,690.72
22-Nov-13	Jan'14	1599	11,695.00	18,700.31	12-Nov-14	Jan'15	2031	12,198.50	24,775.15
25-Nov-13	Jan'14	1576	11,747.50	18,514.06	13-Nov-14	Jan'15	2041	12,202.50	24,905.30
26-Nov-13	Jan'14	1566	11,762.50	18,420.08	14-Nov-14	Jan'15	2075	12,211.00	25,337.83
27-Nov-13	Jan'14	1603	11,885.00	19,051.66	17-Nov-14	Jan'15	2074	12,204.50	25,312.13
28-Nov-13	Jan'14	1614	12,015.00	19,392.21	18-Nov-14	Jan'15	2065	12,150.00	25,089.75
29-Nov-13	Jan'14	1628	11,962.50	19,474.95	19-Nov-14	Jan'15	2068	12,147.50	25,121.03
2-Dec-13	Jan'14	1642	11,770.00	19,326.34	20-Nov-14	Jan'15	2091	12,175.00	25,457.93
3-Dec-13	Jan'14	1658	11,885.00	19,705.33	21-Nov-14	Jan'15	2078	12,148.50	25,244.58
4-Dec-13	Jan'14	1733	11,985.00	20,770.01	24-Nov-14	Jan'15	2078	12,151.50	25,250.82
5-Dec-13	Jan'14	1697	11,962.50	20,300.36	25-Nov-14	Jan'15	2099	12,164.00	25,532.24
6-Dec-13	Jan'14	1686	11,962.50	20,168.78	26-Nov-14	Jan'15	2095	12,175.00	25,506.63
9-Dec-13	Jan'14	1721	11,972.50	20,604.67	27-Nov-14	Jan'15	2096	12,177.00	25,522.99
10-Dec-13	Jan'14	1769	11,985.00	21,201.47	28-Nov-14	Jan'15	2096	12,204.00	25,579.58
11-Dec-13	Jan'14	1849	11,990.00	22,169.51	1-Dec-14	Jan'15	2074	12,272.50	25,453.17
12-Dec-13	Jan'14	1790	12,022.50	21,520.28	2-Dec-14	Jan'15	2063	12,270.00	25,313.01
13-Dec-13	Jan'14	1821	12,117.50	22,065.97	3-Dec-14	Jan'15	2034	12,298.50	25,015.15
17-Dec-13	Jan'14	1816	12,122.50	22,014.46	4-Dec-14	Jan'15	2051	12,307.50	25,242.68
18-Dec-13	Jan'14	1718	12,165.00	20,899.47	5-Dec-14	Jan'15	2048	12,296.50	25,183.23
19-Dec-13	Jan'14	1705	12,207.50	20,813.79	8-Dec-14	Jan'15	2038	12,348.50	25,166.24
20-Dec-13	Jan'14	1690	12,212.50	20,639.13	9-Dec-14	Jan'15	2014	12,329.50	24,831.61
23-Dec-13	Jan'14	1704	12,192.50	20,776.02	10-Dec-14	Jan'15	1994	12,336.50	24,598.98
24-Dec-13	Jan'14	1700	12,200.00	20,740.00	11-Dec-14	Jan'15	1975	12,348.50	24,388.29
27-Dec-13	Jan'14	1694	12,260.00	20,768.44	12-Dec-14	Jan'15	1938	12,457.50	24,142.64
30-Dec-13	Jan'14	1710	12,210.00	20,879.10	15-Dec-14	Jan'15	1944	12,697.50	24,683.94
31-Dec-13	Jan'14	1696	12,170.00	20,640.32	16-Dec-14	Jan'15	1936	12,680.00	24,548.48
2-Jan-14	Jan'14	1685	12,160.00	20,489.60	17-Dec-14	Jan'15	1937	12,657.50	24,517.58
3-Jan-14	Jan'14	1625	12,170.00	19,776.25	18-Dec-14	Jan'15	1915	12,562.50	24,057.19
6-Jan-14	Jan'14	1660	12,180.00	20,218.80	19-Dec-14	Jan'15	1912	12,485.00	23,871.32
7-Jan-14	Jan'14	1707	12,237.50	20,889.41	22-Dec-14	Jan'15	1896	12,439.00	23,584.34

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
8-Jan-14	Jan'14	1728	12,235.00	21,142.08	23-Dec-14	Jan'15	1854	12,450.00	23,082.30
9-Jan-14	Jan'14	1725	12,190.00	21,027.75	24-Dec-14	Jan'15	1872	12,467.50	23,339.16
10-Jan-14	Jan'14	1743	12,161.50	21,197.49	29-Dec-14	Jan'15	1864	12,447.00	23,201.21
13-Jan-14	Jan'14	1757	12,050.00	21,171.85	30-Dec-14	Jan'15	1835	12,446.50	22,839.33
15-Jan-14	Jan'14	1744	12,085.00	21,076.24	31-Dec-14	Jan'15	1871	12,385.00	23,172.34
16-Jan-14	Jan'14	1720	12,117.50	20,842.10	2-Jan-15	Jan'15	1893	12,542.50	23,742.95
17-Jan-14	Jan'14	1749	12,090.00	21,145.41	5-Jan-15	Jan'15	1838	12,627.50	23,209.35
20-Jan-14	Jan'14	1725	12,110.00	20,889.75	6-Jan-15	Jan'15	1889	12,657.50	23,910.02
21-Jan-14	Jan'14	1715	12,132.50	20,807.24	7-Jan-15	Jan'15	1934	12,738.50	24,636.26
22-Jan-14	Jan'14	1717	12,140.00	20,844.38	8-Jan-15	Jan'15	1961	12,680.00	24,865.48
23-Jan-14	Jan'14	1696	12,165.00	20,631.84	9-Jan-15	Jan'15	1935	12,651.50	24,480.65
24-Jan-14	Jan'14	1720	12,180.00	20,949.60	12-Jan-15	Jan'15	1933	12,597.50	24,350.97
27-Jan-14	Jan'14	1725	12,230.00	21,096.75	13-Jan-15	Jan'15	1953	12,597.50	24,602.92
28-Jan-14	Jan'14	1736	12,190.00	21,161.84	14-Jan-15	Jan'15	1942	12,613.00	24,494.45
29-Jan-14	Jan'14	1738	12,165.00	21,142.77	15-Jan-15	Jan'15	1968	12,560.00	24,718.08
4-Feb-14	Jan'14	1819	12,202.50	22,196.35	16-Jan-15	Jan'15	1973	12,587.50	24,835.14
7-Oct-13	Mar'14	1683	11,525.00	19,396.58	19-Jan-15	Jan'15	1941	12,618.50	24,492.51
12-Nov-13	Mar'14	1063	11,592.50	12,322.83	20-Jan-15	Jan'15	1939	12,584.00	24,400.38
2-Dec-13	Mar'14	1623	11,770.00	19,102.71	21-Jan-15	Jan'15	1918	12,480.00	23,936.64
3-Dec-13	Mar'14	1628	11,885.00	19,348.78	22-Jan-15	Jan'15	1917	12,487.50	23,938.54
4-Dec-13	Mar'14	1698	11,985.00	20,350.53	23-Jan-15	Jan'15	1913	12,472.50	23,859.89
5-Dec-13	Mar'14	1669	11,962.50	19,965.41	26-Jan-15	Jan'15	1903	12,510.00	23,806.53
6-Dec-13	Mar'14	1656	11,962.50	19,809.90	27-Jan-15	Jan'15	1924	12,476.50	24,004.79
9-Dec-13	Mar'14	1694	11,972.50	20,281.42	28-Jan-15	Jan'15	1959	12,486.00	24,460.07
10-Dec-13	Mar'14	1723	11,985.00	20,650.16	29-Jan-15	Jan'15	1963	12,567.50	24,670.00
11-Dec-13	Mar'14	1793	11,990.00	21,498.07	30-Jan-15	Jan'15	1921	12,667.50	24,334.27
12-Dec-13	Mar'14	1747	12,022.50	21,003.31	1-Dec-14	Mar'15	2070	12,272.50	25,404.08
13-Dec-13	Mar'14	1775	12,117.50	21,508.56	2-Dec-14	Mar'15	2066	12,270.00	25,349.82
17-Dec-13	Mar'14	1799	12,122.50	21,808.38	3-Dec-14	Mar'15	2044	12,298.50	25,138.13
18-Dec-13	Mar'14	1717	12,165.00	20,887.31	4-Dec-14	Mar'15	2063	12,307.50	25,390.37
19-Dec-13	Mar'14	1699	12,207.50	20,740.54	5-Dec-14	Mar'15	2060	12,296.50	25,330.79
20-Dec-13	Mar'14	1684	12,212.50	20,565.85	8-Dec-14	Mar'15	2053	12,348.50	25,351.47
23-Dec-13	Mar'14	1706	12,192.50	20,800.41	9-Dec-14	Mar'15	2034	12,329.50	25,078.20
24-Dec-13	Mar'14	1705	12,200.00	20,801.00	10-Dec-14	Mar'15	2011	12,336.50	24,808.70
27-Dec-13	Mar'14	1691	12,260.00	20,731.66	11-Dec-14	Mar'15	1997	12,348.50	24,659.95
30-Dec-13	Mar'14	1714	12,210.00	20,927.94	12-Dec-14	Mar'15	1965	12,457.50	24,478.99
31-Dec-13	Mar'14	1694	12,170.00	20,615.98	15-Dec-14	Mar'15	1974	12,697.50	25,064.87
2-Jan-14	Mar'14	1683	12,160.00	20,465.28	16-Dec-14	Mar'15	1965	12,680.00	24,916.20
3-Jan-14	Mar'14	1614	12,170.00	19,642.38	17-Dec-14	Mar'15	1964	12,657.50	24,859.33
6-Jan-14	Mar'14	1644	12,180.00	20,023.92	18-Dec-14	Mar'15	1946	12,562.50	24,446.63
7-Jan-14	Mar'14	1705	12,237.50	20,864.94	19-Dec-14	Mar'15	1942	12,485.00	24,245.87
8-Jan-14	Mar'14	1715	12,235.00	20,983.03	22-Dec-14	Mar'15	1929	12,439.00	23,994.83
9-Jan-14	Mar'14	1712	12,190.00	20,869.28	23-Dec-14	Mar'15	1893	12,450.00	23,567.85
10-Jan-14	Mar'14	1727	12,161.50	21,002.91	24-Dec-14	Mar'15	1911	12,467.50	23,825.39
13-Jan-14	Mar'14	1739	12,050.00	20,954.95	29-Dec-14	Mar'15	1903	12,447.00	23,686.64
15-Jan-14	Mar'14	1728	12,085.00	20,882.88	30-Dec-14	Mar'15	1875	12,446.50	23,337.19
16-Jan-14	Mar'14	1706	12,117.50	20,672.46	31-Dec-14	Mar'15	1906	12,385.00	23,605.81
17-Jan-14	Mar'14	1735	12,090.00	20,976.15	2-Jan-15	Mar'15	1916	12,542.50	24,031.43
20-Jan-14	Mar'14	1710	12,110.00	20,708.10	5-Jan-15	Mar'15	1864	12,627.50	23,537.66
21-Jan-14	Mar'14	1720	12,132.50	20,867.90	6-Jan-15	Mar'15	1911	12,657.50	24,188.48
22-Jan-14	Mar'14	1702	12,140.00	20,662.28	7-Jan-15	Mar'15	1952	12,738.50	24,865.55
23-Jan-14	Mar'14	1686	12,165.00	20,510.19	8-Jan-15	Mar'15	1980	12,680.00	25,106.40
24-Jan-14	Mar'14	1710	12,180.00	20,827.80	9-Jan-15	Mar'15	1969	12,651.50	24,910.80
27-Jan-14	Mar'14	1708	12,230.00	20,888.84	12-Jan-15	Mar'15	1963	12,597.50	24,728.89
28-Jan-14	Mar'14	1719	12,190.00	20,954.61	13-Jan-15	Mar'15	1973	12,597.50	24,854.87
29-Jan-14	Mar'14	1721	12,165.00	20,935.97	14-Jan-15	Mar'15	1964	12,613.00	24,771.93
4-Feb-14	Mar'14	1867	12,202.50	22,782.07	15-Jan-15	Mar'15	1993	12,560.00	25,032.08

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
5-Feb-14	Mar'14	1809	12,192.50	22,056.23	16-Jan-15	Mar'15	1998	12,587.50	25,149.83
6-Feb-14	Mar'14	1857	12,185.00	22,627.55	19-Jan-15	Mar'15	1970	12,618.50	24,858.45
7-Feb-14	Mar'14	1860	12,160.00	22,617.60	20-Jan-15	Mar'15	1971	12,584.00	24,803.06
10-Feb-14	Mar'14	1776	12,172.50	21,618.36	21-Jan-15	Mar'15	1950	12,480.00	24,336.00
11-Feb-14	Mar'14	1796	12,145.00	21,812.42	22-Jan-15	Mar'15	1947	12,487.50	24,313.16
12-Feb-14	Mar'14	1813	12,085.00	21,910.11	23-Jan-15	Mar'15	1941	12,472.50	24,209.12
13-Feb-14	Mar'14	1822	11,975.00	21,818.45	26-Jan-15	Mar'15	1931	12,510.00	24,156.81
14-Feb-14	Mar'14	1824	11,825.00	21,568.80	27-Jan-15	Mar'15	1952	12,476.50	24,354.13
17-Feb-14	Mar'14	1810	11,785.00	21,330.85	28-Jan-15	Mar'15	1987	12,486.00	24,809.68
18-Feb-14	Mar'14	1825	11,835.00	21,598.88	29-Jan-15	Mar'15	1984	12,567.50	24,933.92
19-Feb-14	Mar'14	1881	11,770.00	22,139.37	30-Jan-15	Mar'15	1944	12,667.50	24,625.62
20-Feb-14	Mar'14	1982	11,812.50	23,412.38	2-Feb-15	Mar'15	1925	12,685.00	24,418.63
21-Feb-14	Mar'14	1975	11,740.00	23,186.50	3-Feb-15	Mar'15	1917	12,654.00	24,257.72
24-Feb-14	Mar'14	1953	11,647.50	22,747.57	4-Feb-15	Mar'15	1907	12,625.00	24,075.88
25-Feb-14	Mar'14	2024	11,667.50	23,615.02	5-Feb-15	Mar'15	1931	12,632.50	24,393.36
26-Feb-14	Mar'14	2038	11,640.00	23,722.32	6-Feb-15	Mar'15	1922	12,614.50	24,245.07
27-Feb-14	Mar'14	2021	11,665.00	23,574.97	9-Feb-15	Mar'15	1933	12,647.50	24,447.62
28-Feb-14	Mar'14	2099	11,609.00	24,367.29	10-Feb-15	Mar'15	1944	12,672.50	24,635.34
6-Mar-14	Mar'14	2113	11,472.50	24,241.39	11-Feb-15	Mar'15	1937	12,715.00	24,628.96
7-Mar-14	Mar'14	2134	11,439.50	24,411.89	12-Feb-15	Mar'15	1942	12,792.50	24,843.04
10-Mar-14	Mar'14	2157	11,365.00	24,514.31	13-Feb-15	Mar'15	1988	12,787.50	25,421.55
11-Mar-14	Mar'14	2196	11,395.00	25,023.42	16-Feb-15	Mar'15	2009	12,752.50	25,619.77
12-Mar-14	Mar'14	2245	11,425.00	25,649.13	17-Feb-15	Mar'15	2009	12,769.50	25,653.93
13-Mar-14	Mar'14	2251	11,382.50	25,622.01	18-Feb-15	Mar'15	1993	12,842.50	25,595.10
14-Mar-14	Mar'14	2245	11,355.00	25,491.98	20-Feb-15	Mar'15	1957	12,812.50	25,074.06
17-Mar-14	Mar'14	2241	11,292.50	25,306.49	23-Feb-15	Mar'15	1942	12,834.50	24,924.60
18-Mar-14	Mar'14	2225	11,320.00	25,187.00	24-Feb-15	Mar'15	1915	12,897.50	24,698.71
19-Mar-14	Mar'14	2201	11,314.00	24,902.11	25-Feb-15	Mar'15	1884	12,873.50	24,253.67
20-Mar-14	Mar'14	2150	11,445.00	24,606.75	26-Feb-15	Mar'15	1850	12,837.50	23,749.38
21-Mar-14	Mar'14	2097	11,422.50	23,952.98	27-Feb-15	Mar'15	1834	12,925.00	23,704.45
24-Mar-14	Mar'14	2099	11,380.00	23,886.62	2-Mar-15	Mar'15	1871	12,970.00	24,266.87
25-Mar-14	Mar'14	2148	11,392.50	24,471.09	3-Mar-15	Mar'15	1867	12,965.00	24,205.66
26-Mar-14	Mar'14	2139	11,410.00	24,405.99	4-Mar-15	Mar'15	1858	12,982.50	24,121.49
27-Mar-14	Mar'14	2145	11,447.50	24,554.89	5-Mar-15	Mar'15	1834	12,990.00	23,823.66
28-Mar-14	Mar'14	2143	11,360.00	24,344.48	6-Mar-15	Mar'15	1840	12,980.00	23,883.20
5-Feb-14	Mei'14	1801	12,192.50	21,958.69	9-Mar-15	Mar'15	1847	13,050.00	24,103.35
6-Feb-14	Mei'14	1848	12,185.00	22,517.88	10-Mar-15	Mar'15	1848	13,091.50	24,193.09
7-Feb-14	Mei'14	1845	12,160.00	22,435.20	11-Mar-15	Mar'15	1831	13,190.50	24,151.81
10-Feb-14	Mei'14	1767	12,172.50	21,508.81	12-Mar-15	Mar'15	1803	13,182.50	23,768.05
11-Feb-14	Mei'14	1788	12,145.00	21,715.26	13-Mar-15	Mar'15	1751	13,195.00	23,104.45
12-Feb-14	Mei'14	1810	12,085.00	21,873.85	16-Mar-15	Mar'15	1686	13,242.00	22,326.01
13-Feb-14	Mei'14	1818	11,975.00	21,770.55	17-Mar-15	Mar'15	1739	13,167.50	22,898.28
14-Feb-14	Mei'14	1822	11,825.00	21,545.15	18-Mar-15	Mar'15	1754	13,170.00	23,100.18
17-Feb-14	Mei'14	1806	11,785.00	21,283.71	19-Mar-15	Mar'15	1795	13,035.00	23,397.83
18-Feb-14	Mei'14	1818	11,835.00	21,516.03	20-Mar-15	Mar'15	1791	13,116.00	23,490.76
19-Feb-14	Mei'14	1875	11,770.00	22,068.75	23-Mar-15	Mar'15	1796	13,019.50	23,383.02
20-Feb-14	Mei'14	1957	11,812.50	23,117.06	24-Mar-15	Mar'15	1813	12,905.00	23,396.77
21-Feb-14	Mei'14	1959	11,740.00	22,998.66	25-Mar-15	Mar'15	1793	12,986.00	23,283.90
24-Feb-14	Mei'14	1955	11,647.50	22,770.86	26-Mar-15	Mar'15	1791	13,019.00	23,317.03
25-Feb-14	Mei'14	2003	11,667.50	23,370.00	27-Mar-15	Mar'15	1791	13,065.00	23,399.42
26-Feb-14	Mei'14	2017	11,640.00	23,477.88	30-Mar-15	Mar'15	1763	13,075.00	23,051.23
27-Feb-14	Mei'14	1996	11,665.00	23,283.34	31-Mar-15	Mar'15	1697	13,075.00	22,188.28
28-Feb-14	Mei'14	2034	11,609.00	23,612.71	2-Feb-15	Mei'15	1954	12,685.00	24,786.49
6-Mar-14	Mei'14	2065	11,472.50	23,690.71	3-Feb-15	Mei'15	1948	12,654.00	24,649.99
7-Mar-14	Mei'14	2083	11,439.50	23,828.48	4-Feb-15	Mei'15	1939	12,625.00	24,479.88
10-Mar-14	Mei'14	2099	11,365.00	23,855.14	5-Feb-15	Mei'15	1961	12,632.50	24,772.33
11-Mar-14	Mei'14	2147	11,395.00	24,465.07	6-Feb-15	Mei'15	1954	12,614.50	24,648.73

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
12-Mar-14	Mei'14	2180	11,425.00	24,906.50	9-Feb-15	Mei'15	1965	12,647.50	24,852.34
13-Mar-14	Mei'14	2200	11,382.50	25,041.50	10-Feb-15	Mei'15	1977	12,672.50	25,053.53
14-Mar-14	Mei'14	2189	11,355.00	24,856.10	11-Feb-15	Mei'15	1971	12,715.00	25,061.27
17-Mar-14	Mei'14	2175	11,292.50	24,561.19	12-Feb-15	Mei'15	1974	12,792.50	25,252.40
18-Mar-14	Mei'14	2159	11,320.00	24,439.88	13-Feb-15	Mei'15	2020	12,787.50	25,830.75
19-Mar-14	Mei'14	2135	11,314.00	24,155.39	16-Feb-15	Mei'15	2036	12,752.50	25,964.09
20-Mar-14	Mei'14	2090	11,445.00	23,920.05	17-Feb-15	Mei'15	2036	12,769.50	25,998.70
21-Mar-14	Mei'14	2037	11,422.50	23,267.63	18-Feb-15	Mei'15	2020	12,842.50	25,941.85
24-Mar-14	Mei'14	2038	11,380.00	23,192.44	20-Feb-15	Mei'15	1990	12,812.50	25,496.88
25-Mar-14	Mei'14	2083	11,392.50	23,730.58	23-Feb-15	Mei'15	1974	12,834.50	25,335.30
26-Mar-14	Mei'14	2073	11,410.00	23,652.93	24-Feb-15	Mei'15	1948	12,897.50	25,124.33
27-Mar-14	Mei'14	2080	11,447.50	23,810.80	25-Feb-15	Mei'15	1918	12,873.50	24,691.37
28-Mar-14	Mei'14	2083	11,360.00	23,662.88	26-Feb-15	Mei'15	1886	12,837.50	24,211.53
1-Apr-14	Mei'14	2094	11,312.50	23,688.38	27-Feb-15	Mei'15	1869	12,925.00	24,156.83
2-Apr-14	Mei'14	2024	11,292.50	22,856.02	2-Mar-15	Mei'15	1907	12,970.00	24,733.79
3-Apr-14	Mei'14	2020	11,321.00	22,868.42	3-Mar-15	Mei'15	1892	12,965.00	24,529.78
4-Apr-14	Mei'14	2016	11,316.50	22,814.06	4-Mar-15	Mei'15	1881	12,982.50	24,420.08
7-Apr-14	Mei'14	2085	11,305.00	23,570.93	5-Mar-15	Mei'15	1856	12,990.00	24,109.44
8-Apr-14	Mei'14	2124	11,288.50	23,976.77	6-Mar-15	Mei'15	1875	12,980.00	24,337.50
10-Apr-14	Mei'14	2141	11,354.00	24,308.91	9-Mar-15	Mei'15	1881	13,050.00	24,547.05
11-Apr-14	Mei'14	2162	11,412.50	24,673.83	10-Mar-15	Mei'15	1871	13,091.50	24,494.20
14-Apr-14	Mei'14	2140	11,440.00	24,481.60	11-Mar-15	Mei'15	1856	13,190.50	24,481.57
15-Apr-14	Mei'14	2132	11,430.00	24,368.76	12-Mar-15	Mei'15	1820	13,182.50	23,992.15
16-Apr-14	Mei'14	2121	11,434.50	24,252.57	13-Mar-15	Mei'15	1768	13,195.00	23,328.76
17-Apr-14	Mei'14	2064	11,420.00	23,570.88	16-Mar-15	Mei'15	1708	13,242.00	22,617.34
21-Apr-14	Mei'14	2064	11,445.00	23,622.48	17-Mar-15	Mei'15	1763	13,167.50	23,214.30
22-Apr-14	Mei'14	2118	11,520.00	24,399.36	18-Mar-15	Mei'15	1778	13,170.00	23,416.26
23-Apr-14	Mei'14	2146	11,630.00	24,957.98	19-Mar-15	Mei'15	1819	13,035.00	23,710.67
24-Apr-14	Mei'14	2152	11,600.00	24,963.20	20-Mar-15	Mei'15	1815	13,116.00	23,805.54
25-Apr-14	Mei'14	2152	11,564.50	24,886.80	23-Mar-15	Mei'15	1820	13,019.50	23,695.49
2-May-14	Mei'14	2178	11,522.50	25,096.01	24-Mar-15	Mei'15	1838	12,905.00	23,719.39
5-May-14	Mei'14	2149	11,517.50	24,751.11	25-Mar-15	Mei'15	1818	12,986.00	23,608.55
6-May-14	Mei'14	2149	11,517.00	24,750.03	26-Mar-15	Mei'15	1816	13,019.00	23,642.50
7-May-14	Mei'14	2152	11,575.00	24,909.40	27-Mar-15	Mei'15	1816	13,065.00	23,726.04
8-May-14	Mei'14	2148	11,560.00	24,830.88	30-Mar-15	Mei'15	1788	13,075.00	23,378.10
9-May-14	Mei'14	2136	11,530.00	24,628.08	31-Mar-15	Mei'15	1722	13,075.00	22,515.15
12-May-14	Mei'14	2098	11,521.00	24,171.06	1-Apr-15	Mei'15	1729	13,042.50	22,550.48
13-May-14	Mei'14	2135	11,536.50	24,630.43	2-Apr-15	Mei'15	1750	13,002.50	22,754.38
14-May-14	Mei'14	2096	11,445.50	23,989.77	6-Apr-15	Mei'15	1778	12,958.50	23,040.21
19-May-14	Mei'14	2051	11,417.50	23,417.29	7-Apr-15	Mei'15	1778	12,985.00	23,087.33
20-May-14	Mei'14	2042	11,487.50	23,457.48	8-Apr-15	Mei'15	1806	12,955.00	23,396.73
1-Apr-14	Jul'14	2154	11,312.50	24,367.13	9-Apr-15	Mei'15	1790	12,898.00	23,087.42
2-Apr-14	Jul'14	2021	11,292.50	22,822.14	10-Apr-15	Mei'15	1791	12,915.00	23,130.77
3-Apr-14	Jul'14	2013	11,321.00	22,789.17	13-Apr-15	Mei'15	1790	12,985.00	23,243.15
4-Apr-14	Jul'14	2014	11,316.50	22,791.43	14-Apr-15	Mei'15	1789	12,980.50	23,222.11
7-Apr-14	Jul'14	2072	11,305.00	23,423.96	15-Apr-15	Mei'15	1793	12,900.50	23,130.60
8-Apr-14	Jul'14	2112	11,288.50	23,841.31	16-Apr-15	Mei'15	1794	12,856.00	23,063.66
10-Apr-14	Jul'14	2133	11,354.00	24,218.08	17-Apr-15	Mei'15	1796	12,850.00	23,078.60
11-Apr-14	Jul'14	2158	11,412.50	24,628.18	20-Apr-15	Mei'15	1799	12,890.00	23,189.11
14-Apr-14	Jul'14	2142	11,440.00	24,504.48	21-Apr-15	Mei'15	1804	12,957.50	23,375.33
15-Apr-14	Jul'14	2134	11,430.00	24,391.62	22-Apr-15	Mei'15	1801	12,900.00	23,232.90
16-Apr-14	Jul'14	2128	11,434.50	24,332.62	23-Apr-15	Mei'15	1820	12,955.00	23,578.10
17-Apr-14	Jul'14	2082	11,420.00	23,776.44	24-Apr-15	Mei'15	1811	12,919.50	23,397.21
21-Apr-14	Jul'14	2082	11,445.00	23,828.49	27-Apr-15	Mei'15	1795	12,980.00	23,299.10
22-Apr-14	Jul'14	2136	11,520.00	24,606.72	28-Apr-15	Mei'15	1730	12,980.00	22,455.40
23-Apr-14	Jul'14	2156	11,630.00	25,074.28	29-Apr-15	Mei'15	1741	12,940.00	22,528.54
24-Apr-14	Jul'14	2170	11,600.00	25,172.00	30-Apr-15	Mei'15	1739	12,962.50	22,541.79

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
25-Apr-14	Jul'14	2166	11,564.50	25,048.71	4-May-15	Mei'15	1732	12,980.00	22,481.36
2-May-14	Jul'14	2173	11,522.50	25,038.39	5-May-15	Mei'15	1732	13,047.50	22,598.27
5-May-14	Jul'14	2154	11,517.50	24,808.70	6-May-15	Mei'15	1735	13,035.00	22,615.73
6-May-14	Jul'14	2154	11,517.00	24,807.62	7-May-15	Mei'15	1692	13,145.00	22,241.34
7-May-14	Jul'14	2147	11,575.00	24,851.53	8-May-15	Mei'15	1678	13,127.50	22,027.95
8-May-14	Jul'14	2145	11,560.00	24,796.20	11-May-15	Mei'15	1717	13,155.00	22,587.14
9-May-14	Jul'14	2134	11,530.00	24,605.02	12-May-15	Mei'15	1701	13,198.00	22,449.80
12-May-14	Jul'14	2093	11,521.00	24,113.45	13-May-15	Mei'15	1688	13,137.50	22,176.10
13-May-14	Jul'14	2130	11,536.50	24,572.75	15-May-15	Mei'15	1704	13,091.00	22,307.06
14-May-14	Jul'14	2098	11,445.50	24,012.66	18-May-15	Mei'15	1701	13,137.00	22,346.04
19-May-14	Jul'14	2046	11,417.50	23,360.21	19-May-15	Mei'15	1728	13,115.50	22,663.58
20-May-14	Jul'14	2037	11,487.50	23,400.04	20-May-15	Mei'15	1709	13,175.00	22,516.08
21-May-14	Jul'14	2036	11,507.50	23,429.27	21-May-15	Mei'15	1625	13,129.50	21,335.44
22-May-14	Jul'14	2012	11,530.50	23,199.37	22-May-15	Mei'15	1644	13,155.00	21,626.82
23-May-14	Jul'14	2019	11,610.00	23,440.59	25-May-15	Mei'15	1589	13,186.50	20,953.35
26-May-14	Jul'14	2003	11,577.50	23,189.73	26-May-15	Mei'15	1589	13,210.00	20,990.69
28-May-14	Jul'14	1984	11,630.00	23,073.92	27-May-15	Mei'15	1537	13,202.00	20,291.47
30-May-14	Jul'14	1949	11,675.00	22,754.58	28-May-15	Mei'15	1580	13,221.50	20,889.97
2-Jun-14	Jul'14	1937	11,765.00	22,788.81	29-May-15	Mei'15	1584	13,224.00	20,946.82
3-Jun-14	Jul'14	1933	11,784.00	22,778.47	1-Apr-15	Jul'15	1758	13,042.50	22,928.72
4-Jun-14	Jul'14	1895	11,890.00	22,531.55	2-Apr-15	Jul'15	1778	13,002.50	23,118.45
5-Jun-14	Jul'14	1897	11,855.00	22,488.94	6-Apr-15	Jul'15	1804	12,958.50	23,377.13
6-Jun-14	Jul'14	1899	11,835.00	22,474.67	7-Apr-15	Jul'15	1804	12,985.00	23,424.94
9-Jun-14	Jul'14	1906	11,775.50	22,444.10	8-Apr-15	Jul'15	1833	12,955.00	23,746.52
10-Jun-14	Jul'14	1883	11,810.00	22,238.23	9-Apr-15	Jul'15	1817	12,898.00	23,435.67
11-Jun-14	Jul'14	1875	11,810.00	22,143.75	10-Apr-15	Jul'15	1817	12,915.00	23,466.56
12-Jun-14	Jul'14	1944	11,788.00	22,915.87	13-Apr-15	Jul'15	1817	12,985.00	23,593.75
13-Jun-14	Jul'14	1949	11,794.50	22,987.48	14-Apr-15	Jul'15	1815	12,980.50	23,559.61
16-Jun-14	Jul'14	1983	11,817.50	23,434.10	15-Apr-15	Jul'15	1820	12,900.50	23,478.91
17-Jun-14	Jul'14	1983	11,892.50	23,582.83	16-Apr-15	Jul'15	1818	12,856.00	23,372.21
18-Jun-14	Jul'14	1983	11,996.50	23,789.06	17-Apr-15	Jul'15	1827	12,850.00	23,476.95
19-Jun-14	Jul'14	1974	11,934.00	23,557.72	20-Apr-15	Jul'15	1826	12,890.00	23,537.14
20-Jun-14	Jul'14	1959	11,971.50	23,452.17	21-Apr-15	Jul'15	1829	12,957.50	23,699.27
23-Jun-14	Jul'14	1990	11,990.00	23,860.10	22-Apr-15	Jul'15	1825	12,900.00	23,542.50
24-Jun-14	Jul'14	1967	11,987.50	23,579.41	23-Apr-15	Jul'15	1841	12,955.00	23,850.16
25-Jun-14	Jul'14	1954	12,090.00	23,623.86	24-Apr-15	Jul'15	1830	12,919.50	23,642.69
26-Jun-14	Jul'14	1994	12,099.00	24,125.41	27-Apr-15	Jul'15	1816	12,980.00	23,571.68
27-Jun-14	Jul'14	2008	11,995.00	24,085.96	28-Apr-15	Jul'15	1760	12,980.00	22,844.80
30-Jun-14	Jul'14	2026	11,855.00	24,018.23	29-Apr-15	Jul'15	1772	12,940.00	22,929.68
1-Jul-14	Jul'14	1998	11,855.00	23,686.29	30-Apr-15	Jul'15	1776	12,962.50	23,021.40
2-Jul-14	Jul'14	2007	11,910.00	23,903.37	4-May-15	Jul'15	1772	12,980.00	23,000.56
3-Jul-14	Jul'14	2047	11,917.50	24,395.12	5-May-15	Jul'15	1772	13,047.50	23,120.17
4-Jul-14	Jul'14	2065	11,872.50	24,516.71	6-May-15	Jul'15	1778	13,035.00	23,176.23
7-Jul-14	Jul'14	2053	11,700.00	24,020.10	7-May-15	Jul'15	1736	13,145.00	22,819.72
8-Jul-14	Jul'14	2038	11,625.00	23,691.75	8-May-15	Jul'15	1718	13,127.50	22,553.05
10-Jul-14	Jul'14	2058	11,575.00	23,821.35	11-May-15	Jul'15	1758	13,155.00	23,126.49
11-Jul-14	Jul'14	2012	11,585.00	23,309.02	12-May-15	Jul'15	1744	13,198.00	23,017.31
14-Jul-14	Jul'14	2000	11,661.50	23,323.00	13-May-15	Jul'15	1731	13,137.50	22,741.01
15-Jul-14	Jul'14	2026	11,735.00	23,775.11	15-May-15	Jul'15	1747	13,091.00	22,869.98
16-Jul-14	Jul'14	2025	11,695.00	23,682.38	18-May-15	Jul'15	1744	13,137.00	22,910.93
18-Jul-14	Jul'14	2002	11,615.00	23,253.23	19-May-15	Jul'15	1769	13,115.50	23,201.32
21-Jul-14	Jul'14	2005	11,570.00	23,197.85	20-May-15	Jul'15	1750	13,175.00	23,056.25
22-Jul-14	Jul'14	2025	11,605.00	23,500.13	21-May-15	Jul'15	1725	13,129.50	22,648.39
25-Jul-14	Jul'14	2041	11,577.50	23,629.68	22-May-15	Jul'15	1682	13,155.00	22,126.71
21-May-14	Sep'14	2049	11,507.50	23,578.87	25-May-15	Jul'15	1626	13,186.50	21,441.25
22-May-14	Sep'14	2024	11,530.50	23,337.73	26-May-15	Jul'15	1626	13,210.00	21,479.46
23-May-14	Sep'14	2032	11,610.00	23,591.52	27-May-15	Jul'15	1575	13,202.00	20,793.15

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
26-May-14	Sep'14	2017	11,577.50	23,351.82	28-May-15	Jul'15	1618	13,221.50	21,392.39
28-May-14	Sep'14	2002	11,630.00	23,283.26	29-May-15	Jul'15	1622	13,224.00	21,449.33
30-May-14	Sep'14	1967	11,675.00	22,964.73	1-Jun-15	Jul'15	1632	13,222.50	21,579.12
2-Jun-14	Sep'14	1956	11,765.00	23,012.34	3-Jun-15	Jul'15	1723	13,221.00	22,779.78
3-Jun-14	Sep'14	1951	11,784.00	22,990.58	4-Jun-15	Jul'15	1723	13,282.00	22,884.89
4-Jun-14	Sep'14	1913	11,890.00	22,745.57	5-Jun-15	Jul'15	1736	13,275.50	23,046.27
5-Jun-14	Sep'14	1914	11,855.00	22,690.47	8-Jun-15	Jul'15	1728	13,379.50	23,119.78
6-Jun-14	Sep'14	1915	11,835.00	22,664.03	9-Jun-15	Jul'15	1724	13,302.50	22,933.51
9-Jun-14	Sep'14	1922	11,775.50	22,632.51	10-Jun-15	Jul'15	1734	13,312.50	23,083.88
10-Jun-14	Sep'14	1899	11,810.00	22,427.19	11-Jun-15	Jul'15	1740	13,320.50	23,177.67
11-Jun-14	Sep'14	1894	11,810.00	22,368.14	12-Jun-15	Jul'15	1711	13,332.50	22,811.91
12-Jun-14	Sep'14	1960	11,788.00	23,104.48	15-Jun-15	Jul'15	1722	13,335.00	22,962.87
13-Jun-14	Sep'14	1970	11,794.50	23,235.17	16-Jun-15	Jul'15	1755	13,353.00	23,434.52
16-Jun-14	Sep'14	1998	11,817.50	23,611.37	17-Jun-15	Jul'15	1793	13,367.50	23,967.93
17-Jun-14	Sep'14	1999	11,892.50	23,773.11	18-Jun-15	Jul'15	1806	13,305.00	24,028.83
18-Jun-14	Sep'14	1999	11,996.50	23,981.00	19-Jun-15	Jul'15	1888	13,331.50	25,169.87
19-Jun-14	Sep'14	1982	11,934.00	23,653.19	22-Jun-15	Jul'15	1866	13,310.00	24,836.46
20-Jun-14	Sep'14	1966	11,971.50	23,535.97	23-Jun-15	Jul'15	1857	13,255.00	24,614.54
23-Jun-14	Sep'14	2001	11,990.00	23,991.99	24-Jun-15	Jul'15	1826	13,303.50	24,292.19
24-Jun-14	Sep'14	1982	11,987.50	23,759.23	25-Jun-15	Jul'15	1907	13,327.50	25,415.54
25-Jun-14	Sep'14	1972	12,090.00	23,841.48	26-Jun-15	Jul'15	1884	13,310.00	25,076.04
26-Jun-14	Sep'14	2016	12,099.00	24,391.58	29-Jun-15	Jul'15	1924	13,345.00	25,675.78
27-Jun-14	Sep'14	2027	11,995.00	24,313.87	30-Jun-15	Jul'15	1892	13,332.50	25,225.09
30-Jun-14	Sep'14	2034	11,855.00	24,113.07	1-Jul-15	Jul'15	1885	13,326.00	25,119.51
1-Jul-14	Sep'14	2016	11,855.00	23,899.68	2-Jul-15	Jul'15	1813	13,337.50	24,180.89
2-Jul-14	Sep'14	2016	11,910.00	24,010.56	3-Jul-15	Jul'15	1875	13,320.00	24,975.00
3-Jul-14	Sep'14	2047	11,917.50	24,395.12	6-Jul-15	Jul'15	1853	13,349.50	24,736.62
4-Jul-14	Sep'14	2068	11,872.50	24,552.33	7-Jul-15	Jul'15	1844	13,327.50	24,575.91
7-Jul-14	Sep'14	2056	11,700.00	24,055.20	8-Jul-15	Jul'15	1842	13,345.00	24,581.49
8-Jul-14	Sep'14	2038	11,625.00	23,691.75	9-Jul-15	Jul'15	1845	13,336.00	24,604.92
10-Jul-14	Sep'14	2056	11,575.00	23,798.20	10-Jul-15	Jul'15	1855	13,313.50	24,696.54
11-Jul-14	Sep'14	2009	11,585.00	23,274.27	13-Jul-15	Jul'15	1850	13,300.00	24,605.00
14-Jul-14	Sep'14	1997	11,661.50	23,288.02	14-Jul-15	Jul'15	1864	13,335.00	24,856.44
15-Jul-14	Sep'14	2023	11,735.00	23,739.91	15-Jul-15	Jul'15	1867	13,344.50	24,914.18
16-Jul-14	Sep'14	2022	11,695.00	23,647.29	22-Jul-15	Jul'15	1801	13,377.50	24,092.88
18-Jul-14	Sep'14	1999	11,615.00	23,218.39	23-Jul-15	Jul'15	1820	13,422.50	24,428.95
21-Jul-14	Sep'14	2001	11,570.00	23,151.57	24-Jul-15	Jul'15	1800	13,445.00	24,201.00
22-Jul-14	Sep'14	2015	11,605.00	23,384.08	28-Jul-15	Jul'15	1762	13,462.50	23,720.93
23-Jul-14	Sep'14	1993	11,500.00	22,919.50	1-Jun-15	Sep'15	1653	13,222.50	21,856.79
24-Jul-14	Sep'14	1994	11,567.50	23,065.60	3-Jun-15	Sep'15	1723	13,221.00	22,779.78
25-Jul-14	Sep'14	2032	11,577.50	23,525.48	4-Jun-15	Sep'15	1740	13,282.00	23,110.68
4-Aug-14	Sep'14	2097	11,758.00	24,656.53	5-Jun-15	Sep'15	1752	13,275.50	23,258.68
5-Aug-14	Sep'14	2007	11,697.00	23,475.88	8-Jun-15	Sep'15	1746	13,379.50	23,360.61
6-Aug-14	Sep'14	2009	11,750.00	23,605.75	9-Jun-15	Sep'15	1740	13,302.50	23,146.35
7-Aug-14	Sep'14	1992	11,795.00	23,495.64	10-Jun-15	Sep'15	1752	13,312.50	23,323.50
8-Aug-14	Sep'14	1968	11,777.50	23,178.12	11-Jun-15	Sep'15	1757	13,320.50	23,404.12
11-Aug-14	Sep'14	1948	11,670.00	22,733.16	12-Jun-15	Sep'15	1727	13,332.50	23,025.23
12-Aug-14	Sep'14	1986	11,687.50	23,211.38	15-Jun-15	Sep'15	1733	13,335.00	23,109.56
13-Aug-14	Sep'14	1964	11,691.00	22,961.12	16-Jun-15	Sep'15	1734	13,353.00	23,154.10
14-Aug-14	Sep'14	1965	11,672.50	22,936.46	17-Jun-15	Sep'15	1754	13,367.50	23,446.60
15-Aug-14	Sep'14	1945	11,675.00	22,707.88	18-Jun-15	Sep'15	1750	13,305.00	23,283.75
18-Aug-14	Sep'14	1951	11,684.50	22,796.46	19-Jun-15	Sep'15	1780	13,331.50	23,730.07
19-Aug-14	Sep'14	1950	11,679.00	22,774.05	22-Jun-15	Sep'15	1773	13,310.00	23,598.63
20-Aug-14	Sep'14	1941	11,700.00	22,709.70	23-Jun-15	Sep'15	1802	13,255.00	23,885.51
21-Aug-14	Sep'14	1964	11,690.00	22,959.16	24-Jun-15	Sep'15	1755	13,303.50	23,347.64
22-Aug-14	Sep'14	1982	11,678.50	23,146.79	25-Jun-15	Sep'15	1818	13,327.50	24,229.40
25-Aug-14	Sep'14	1986	11,718.00	23,271.95	26-Jun-15	Sep'15	1799	13,310.00	23,944.69

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
26-Aug-14	Sep'14	1986	11,713.00	23,262.02	29-Jun-15	Sep'15	1818	13,345.00	24,261.21
27-Aug-14	Sep'14	2007	11,681.50	23,444.77	30-Jun-15	Sep'15	1792	13,332.50	23,891.84
28-Aug-14	Sep'14	2030	11,700.50	23,752.02	1-Jul-15	Sep'15	1784	13,326.00	23,773.58
29-Aug-14	Sep'14	2036	11,690.00	23,800.84	2-Jul-15	Sep'15	1771	13,337.50	23,620.71
1-Sep-14	Sep'14	2033	11,716.00	23,818.63	3-Jul-15	Sep'15	1745	13,320.00	23,243.40
2-Sep-14	Sep'14	2059	11,747.50	24,188.10	6-Jul-15	Sep'15	1748	13,349.50	23,334.93
5-Sep-14	Sep'14	2069	11,755.00	24,321.10	7-Jul-15	Sep'15	1711	13,327.50	22,803.35
8-Sep-14	Sep'14	2061	11,729.50	24,174.50	8-Jul-15	Sep'15	1711	13,345.00	22,833.30
9-Sep-14	Sep'14	2042	11,766.50	24,027.19	9-Jul-15	Sep'15	1725	13,336.00	23,004.60
10-Sep-14	Sep'14	2017	11,812.00	23,824.80	10-Jul-15	Sep'15	1728	13,313.50	23,005.73
11-Sep-14	Sep'14	1996	11,825.00	23,602.70	13-Jul-15	Sep'15	1723	13,300.00	22,915.90
12-Sep-14	Sep'14	1970	11,820.00	23,285.40	14-Jul-15	Sep'15	1738	13,335.00	23,176.23
15-Sep-14	Sep'14	1975	11,927.50	23,556.81	15-Jul-15	Sep'15	1742	13,344.50	23,246.12
16-Sep-14	Sep'14	1955	11,965.00	23,391.58	22-Jul-15	Sep'15	1664	13,377.50	22,260.16
17-Sep-14	Sep'14	1964	11,955.00	23,479.62	23-Jul-15	Sep'15	1681	13,422.50	22,563.22
18-Sep-14	Sep'14	2061	11,980.00	24,690.78	24-Jul-15	Sep'15	1661	13,445.00	22,332.15
19-Sep-14	Sep'14	1966	11,967.50	23,528.11	27-Jul-15	Sep'15	1650	13,459.00	22,207.35
22-Sep-14	Sep'14	1930	11,973.50	23,108.86	28-Jul-15	Sep'15	1627	13,462.50	21,903.49
30-Sep-14	Sep'14	1963	12,185.00	23,919.16	29-Jul-15	Sep'15	1761	13,456.00	23,696.02
23-Jul-14	Nov'14	1988	11,500.00	22,862.00	30-Jul-15	Sep'15	1759	13,467.50	23,689.33
24-Jul-14	Nov'14	1993	11,567.50	23,054.03	31-Jul-15	Sep'15	1774	13,527.50	23,997.79
4-Aug-14	Nov'14	2093	11,758.00	24,609.49	5-Aug-15	Sep'15	1639	13,514.00	22,149.45
5-Aug-14	Nov'14	2008	11,697.00	23,487.58	6-Aug-15	Sep'15	1653	13,541.50	22,384.10
6-Aug-14	Nov'14	2007	11,750.00	23,582.25	7-Aug-15	Sep'15	1640	13,539.50	22,204.78
7-Aug-14	Nov'14	1996	11,795.00	23,542.82	10-Aug-15	Sep'15	1661	13,549.00	22,504.89
8-Aug-14	Nov'14	1974	11,777.50	23,248.79	11-Aug-15	Sep'15	1693	13,600.00	23,024.80
11-Aug-14	Nov'14	1959	11,670.00	22,861.53	12-Aug-15	Sep'15	1725	13,785.00	23,779.13
12-Aug-14	Nov'14	1997	11,687.50	23,339.94	13-Aug-15	Sep'15	1699	13,745.00	23,352.76
13-Aug-14	Nov'14	1976	11,691.00	23,101.42	14-Aug-15	Sep'15	1704	13,787.50	23,493.90
14-Aug-14	Nov'14	1976	11,672.50	23,064.86	18-Aug-15	Sep'15	1704	13,818.00	23,545.87
15-Aug-14	Nov'14	1956	11,675.00	22,836.30	19-Aug-15	Sep'15	1731	13,842.50	23,961.37
18-Aug-14	Nov'14	1962	11,684.50	22,924.99	20-Aug-15	Sep'15	1669	13,870.00	23,149.03
19-Aug-14	Nov'14	1956	11,679.00	22,844.12	21-Aug-15	Sep'15	1639	13,942.50	22,851.76
20-Aug-14	Nov'14	1947	11,700.00	22,779.90	24-Aug-15	Sep'15	1619	14,047.00	22,742.09
21-Aug-14	Nov'14	1969	11,690.00	23,017.61	25-Aug-15	Sep'15	1599	14,065.00	22,489.94
22-Aug-14	Nov'14	1988	11,678.50	23,216.86	26-Aug-15	Sep'15	1582	14,122.50	22,341.80
25-Aug-14	Nov'14	1997	11,718.00	23,400.85	27-Aug-15	Sep'15	1581	13,992.50	22,122.14
26-Aug-14	Nov'14	1997	11,713.00	23,390.86	28-Aug-15	Sep'15	1607	13,982.50	22,469.88
27-Aug-14	Nov'14	2027	11,681.50	23,678.40	31-Aug-15	Sep'15	1581	14,050.00	22,213.05
28-Aug-14	Nov'14	2048	11,700.50	23,962.62	1-Sep-15	Sep'15	1581	14,097.50	22,288.15
29-Aug-14	Nov'14	2039	11,690.00	23,835.91	2-Sep-15	Sep'15	1583	14,130.00	22,367.79
1-Sep-14	Nov'14	2012	11,716.00	23,572.59	25-Sep-15	Sep'15	1566	14,685.00	22,996.71
2-Sep-14	Nov'14	2081	11,747.50	24,446.55	27-Jul-15	Nov'15	1666	13,459.00	22,422.69
3-Sep-14	Nov'14	2112	11,765.00	24,847.68	29-Jul-15	Nov'15	1626	13,462.50	21,890.03
4-Sep-14	Nov'14	2062	11,764.00	24,257.37	30-Jul-15	Nov'15	1638	13,456.00	22,040.93
5-Sep-14	Nov'14	2091	11,755.00	24,579.71	31-Jul-15	Nov'15	1648	13,467.50	22,194.44
8-Sep-14	Nov'14	2079	11,729.50	24,385.63	3-Aug-15	Nov'15	1638	13,527.50	22,158.05
9-Sep-14	Nov'14	2061	11,766.50	24,250.76	4-Aug-15	Nov'15	1625	13,500.00	21,937.50
10-Sep-14	Nov'14	2029	11,812.00	23,966.55	5-Aug-15	Nov'15	1639	13,485.50	22,102.73
11-Sep-14	Nov'14	2018	11,825.00	23,862.85	6-Aug-15	Nov'15	1653	13,514.00	22,338.64
12-Sep-14	Nov'14	1988	11,820.00	23,498.16	7-Aug-15	Nov'15	1640	13,541.50	22,208.06
15-Sep-14	Nov'14	1997	11,927.50	23,819.22	10-Aug-15	Nov'15	1661	13,549.00	22,504.89
16-Sep-14	Nov'14	1977	11,965.00	23,654.81	11-Aug-15	Nov'15	1693	13,600.00	23,024.80
17-Sep-14	Nov'14	1985	11,955.00	23,730.68	12-Aug-15	Nov'15	1725	13,785.00	23,779.13
18-Sep-14	Nov'14	2079	11,980.00	24,906.42	13-Aug-15	Nov'15	1699	13,745.00	23,352.76
19-Sep-14	Nov'14	1961	11,967.50	23,468.27	14-Aug-15	Nov'15	1704	13,787.50	23,493.90
22-Sep-14	Nov'14	1940	11,973.50	23,228.59	18-Aug-15	Nov'15	1704	13,818.00	23,545.87

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
23-Sep-14	Nov'14	1936	11,972.50	23,178.76	19-Aug-15	Nov'15	1731	13,842.50	23,961.37
24-Sep-14	Nov'14	1929	11,952.50	23,056.37	20-Aug-15	Nov'15	1669	13,870.00	23,149.03
25-Sep-14	Nov'14	1965	11,978.50	23,537.75	21-Aug-15	Nov'15	1639	13,942.50	22,851.76
26-Sep-14	Nov'14	1944	12,022.50	23,371.74	24-Aug-15	Nov'15	1619	14,047.00	22,742.09
29-Sep-14	Nov'14	1955	12,170.00	23,792.35	25-Aug-15	Nov'15	1599	14,065.00	22,489.94
1-Oct-14	Nov'14	1992	12,127.50	24,157.98	26-Aug-15	Nov'15	1582	14,122.50	22,341.80
2-Oct-14	Nov'14	2054	12,150.00	24,956.10	27-Aug-15	Nov'15	1615	13,992.50	22,597.89
3-Oct-14	Nov'14	2053	12,176.50	24,998.35	28-Aug-15	Nov'15	1641	13,982.50	22,945.28
6-Oct-14	Nov'14	2080	12,210.00	25,396.80	31-Aug-15	Nov'15	1611	14,050.00	22,634.55
8-Oct-14	Nov'14	2176	12,240.00	26,634.24	1-Sep-15	Nov'15	1611	14,097.50	22,711.07
9-Oct-14	Nov'14	2151	12,185.00	26,209.94	2-Sep-15	Nov'15	1603	14,130.00	22,650.39
10-Oct-14	Nov'14	2181	12,220.00	26,651.82	3-Sep-15	Nov'15	1581	14,169.00	22,401.19
13-Oct-14	Nov'14	2159	12,216.00	26,374.34	4-Sep-15	Nov'15	1590	14,165.00	22,522.35
14-Oct-14	Nov'14	2169	12,207.50	26,478.07	7-Sep-15	Nov'15	1599	14,247.50	22,781.75
15-Oct-14	Nov'14	2155	12,225.00	26,344.88	8-Sep-15	Nov'15	1581	14,280.00	22,576.68
16-Oct-14	Nov'14	2155	12,247.50	26,393.36	9-Sep-15	Nov'15	1592	14,261.50	22,704.31
17-Oct-14	Nov'14	2155	12,106.50	26,089.51	10-Sep-15	Nov'15	1604	14,332.50	22,989.33
20-Oct-14	Nov'14	2155	12,032.50	25,930.04	11-Sep-15	Nov'15	1566	14,330.00	22,440.78
21-Oct-14	Nov'14	2049	12,000.00	24,588.00	14-Sep-15	Nov'15	1552	14,347.50	22,267.32
22-Oct-14	Nov'14	2046	12,012.50	24,577.58	15-Sep-15	Nov'15	1587	14,407.50	22,864.70
23-Oct-14	Nov'14	2025	12,060.00	24,421.50	16-Sep-15	Nov'15	1576	14,455.00	22,781.08
24-Oct-14	Nov'14	2008	12,066.00	24,228.53	17-Sep-15	Nov'15	1581	14,457.50	22,857.31
27-Oct-14	Nov'14	2027	12,112.50	24,552.04	18-Sep-15	Nov'15	1564	14,375.00	22,482.50
28-Oct-14	Nov'14	2012	12,170.00	24,486.04	21-Sep-15	Nov'15	1556	14,455.00	22,491.98
29-Oct-14	Nov'14	2022	12,080.00	24,425.76	22-Sep-15	Nov'15	1533	14,497.50	22,224.67
30-Oct-14	Nov'14	2042	12,125.00	24,759.25	23-Sep-15	Nov'15	1511	14,647.50	22,132.37
31-Oct-14	Nov'14	2036	12,085.00	24,605.06	25-Sep-15	Nov'15	1566	14,685.00	22,996.71
3-Nov-14	Nov'14	2048	12,107.50	24,796.16	28-Sep-15	Nov'15	1596	14,697.50	23,457.21
4-Nov-14	Nov'14	2073	12,107.50	25,098.85	29-Sep-15	Nov'15	1548	14,682.50	22,728.51
5-Nov-14	Nov'14	2068	12,142.50	25,110.69	30-Sep-15	Nov'15	1576	14,650.00	23,088.40
10-Nov-14	Nov'14	2018	12,152.50	24,523.75	1-Oct-15	Nov'15	1557	14,670.00	22,841.19
11-Nov-14	Nov'14	2022	12,205.00	24,678.51	2-Oct-15	Nov'15	1556	14,642.50	22,783.73
12-Nov-14	Nov'14	2031	12,198.50	24,775.15	5-Oct-15	Nov'15	1578	14,495.00	22,873.11
13-Nov-14	Nov'14	2038	12,202.50	24,868.70	6-Oct-15	Nov'15	1609	14,245.50	22,921.01
14-Nov-14	Nov'14	2075	12,211.00	25,337.83	7-Oct-15	Nov'15	1600	13,825.00	22,120.00
17-Nov-14	Nov'14	2074	12,204.50	25,312.13	8-Oct-15	Nov'15	1559	13,867.50	21,619.43
18-Nov-14	Nov'14	2065	12,150.00	25,089.75	9-Oct-15	Nov'15	1582	13,420.00	21,230.44
19-Nov-14	Nov'14	2068	12,147.50	25,121.03	12-Oct-15	Nov'15	1623	13,405.00	21,756.32
20-Nov-14	Nov'14	2088	12,175.00	25,421.40	13-Oct-15	Nov'15	1623	13,619.50	22,104.45
21-Nov-14	Nov'14	2075	12,148.50	25,208.14	15-Oct-15	Nov'15	1631	13,455.00	21,945.11
24-Nov-14	Nov'14	2076	12,151.50	25,226.51	19-Oct-15	Nov'15	1613	13,531.50	21,826.31
25-Nov-14	Nov'14	2097	12,164.00	25,507.91	20-Oct-15	Nov'15	1582	13,645.00	21,586.39
27-Nov-14	Nov'14	2095	12,177.00	25,510.82	21-Oct-15	Nov'15	1557	13,717.00	21,357.37
26-Nov-14	Nov'14	2095	12,175.00	25,506.63	22-Oct-15	Nov'15	1553	13,657.50	21,210.10
28-Nov-14	Nov'14	2096	12,204.00	25,579.58	23-Oct-15	Nov'15	1562	13,635.00	21,297.87
					26-Oct-15	Nov'15	1527	13,645.00	20,835.92
					27-Oct-15	Nov'15	1524	13,622.50	20,760.69
					28-Oct-15	Nov'15	1526	13,477.50	20,566.67
					29-Oct-15	Nov'15	1540	13,635.00	20,997.90
					30-Oct-15	Nov'15	1566	13,687.50	21,434.63
					2-Nov-15	Nov'15	1616	13,667.50	22,086.68
					3-Nov-15	Nov'15	1595	13,555.00	21,620.23
					4-Nov-15	Nov'15	1608	13,555.00	21,796.44
					5-Nov-15	Nov'15	1628	13,565.00	22,083.82
					6-Nov-15	Nov'15	1637	13,560.00	22,197.72
					9-Nov-15	Nov'15	1574	13,647.50	21,481.17
					10-Nov-15	Nov'15	1589	13,609.50	21,625.50

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)	Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
					11-Nov-15	Nov'15	1594	13,602.50	21,682.39
					12-Nov-15	Nov'15	1598	13,602.50	21,736.80
					13-Nov-15	Nov'15	1575	13,665.00	21,522.38
					16-Nov-15	Nov'15	1518	13,727.50	20,838.35
					17-Nov-15	Nov'15	1536	13,747.50	21,116.16
					18-Nov-15	Nov'15	1524	13,799.50	21,030.44
					19-Nov-15	Nov'15	1474	13,777.50	20,308.04
					20-Nov-15	Nov'15	1530	13,655.00	20,892.15
					23-Nov-15	Nov'15	1539	13,723.00	21,119.70
					24-Nov-15	Nov'15	1506	13,707.50	20,643.50
					25-Nov-15	Nov'15	1517	13,687.50	20,763.94
					26-Nov-15	Nov'15	1499	13,728.50	20,579.02
					27-Nov-15	Nov'15	1485	13,780.00	20,463.30
					30-Nov-15	Nov'15	1481	13,835.00	20,489.64

Sumber: BAPPEBTI, BBJ, dan Investing.com

Lampiran 14

Harga Harian Kopi Robusta *Futures* 2016

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
3-Aug-15	Jan'16	1655	13,500.00	22,342.50
4-Aug-15	Jan'16	1645	13,485.50	22,183.65
3-Sep-15	Jan'16	1596	14,169.00	22,613.72
4-Sep-15	Jan'16	1606	14,165.00	22,748.99
7-Sep-15	Jan'16	1612	14,247.50	22,966.97
8-Sep-15	Jan'16	1595	14,280.00	22,776.60
9-Sep-15	Jan'16	1607	14,261.50	22,918.23
10-Sep-15	Jan'16	1618	14,332.50	23,189.99
11-Sep-15	Jan'16	1581	14,330.00	22,655.73
14-Sep-15	Jan'16	1567	14,347.50	22,482.53
15-Sep-15	Jan'16	1600	14,407.50	23,052.00
16-Sep-15	Jan'16	1589	14,455.00	22,969.00
17-Sep-15	Jan'16	1594	14,457.50	23,045.26
18-Sep-15	Jan'16	1578	14,375.00	22,683.75
21-Sep-15	Jan'16	1569	14,455.00	22,679.90
22-Sep-15	Jan'16	1547	14,497.50	22,427.63
23-Sep-15	Jan'16	1525	14,647.50	22,337.44
28-Sep-15	Jan'16	1603	14,697.50	23,560.09
29-Sep-15	Jan'16	1556	14,682.50	22,845.97
30-Sep-15	Jan'16	1583	14,650.00	23,190.95
1-Oct-15	Jan'16	1564	14,670.00	22,943.88
2-Oct-15	Jan'16	1565	14,642.50	22,915.51
5-Oct-15	Jan'16	1583	14,495.00	22,945.59
6-Oct-15	Jan'16	1622	14,245.50	23,106.20
7-Oct-15	Jan'16	1614	13,825.00	22,313.55

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
8-Oct-15	Jan'16	1573	13,867.50	21,813.58
9-Oct-15	Jan'16	1596	13,420.00	21,418.32
12-Oct-15	Jan'16	1634	13,405.00	21,903.77
13-Oct-15	Jan'16	1637	13,619.50	22,295.12
15-Oct-15	Jan'16	1638	13,455.00	22,039.29
19-Oct-15	Jan'16	1619	13,531.50	21,907.50
20-Oct-15	Jan'16	1600	13,645.00	21,832.00
21-Oct-15	Jan'16	1585	13,717.00	21,741.45
22-Oct-15	Jan'16	1577	13,657.50	21,537.88
23-Oct-15	Jan'16	1586	13,635.00	21,625.11
26-Oct-15	Jan'16	1558	13,645.00	21,258.91
27-Oct-15	Jan'16	1553	13,622.50	21,155.74
28-Oct-15	Jan'16	1559	13,477.50	21,011.42
29-Oct-15	Jan'16	1577	13,635.00	21,502.40
30-Oct-15	Jan'16	1605	13,687.50	21,968.44
2-Nov-15	Jan'16	1643	13,667.50	22,455.70
3-Nov-15	Jan'16	1629	13,555.00	22,081.10
4-Nov-15	Jan'16	1645	13,555.00	22,297.98
5-Nov-15	Jan'16	1670	13,565.00	22,653.55
6-Nov-15	Jan'16	1669	13,560.00	22,631.64
9-Nov-15	Jan'16	1604	13,647.50	21,890.59
10-Nov-15	Jan'16	1625	13,609.50	22,115.44
11-Nov-15	Jan'16	1628	13,602.50	22,144.87
12-Nov-15	Jan'16	1632	13,602.50	22,199.28
13-Nov-15	Jan'16	1609	13,665.00	21,986.99
16-Nov-15	Jan'16	1552	13,727.50	21,305.08
17-Nov-15	Jan'16	1560	13,747.50	21,446.10
18-Nov-15	Jan'16	1554	13,799.50	21,444.42
19-Nov-15	Jan'16	1507	13,777.50	20,762.69
20-Nov-15	Jan'16	1563	13,655.00	21,342.77
23-Nov-15	Jan'16	1572	13,723.00	21,572.56
24-Nov-15	Jan'16	1539	13,707.50	21,095.84
25-Nov-15	Jan'16	1550	13,687.50	21,215.63
26-Nov-15	Jan'16	1532	13,728.50	21,032.06
27-Nov-15	Jan'16	1518	13,780.00	20,918.04
30-Nov-15	Jan'16	1514	13,835.00	20,946.19
1-Dec-15	Jan'16	1478	13,782.50	20,370.54
2-Dec-15	Jan'16	1490	13,797.50	20,558.28
3-Dec-15	Jan'16	1499	13,843.50	20,751.41
4-Dec-15	Jan'16	1537	13,832.00	21,259.78
7-Dec-15	Jan'16	1536	13,842.50	21,262.08
8-Dec-15	Jan'16	1535	13,872.50	21,294.29

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
10-Dec-15	Jan'16	1526	13,935.00	21,264.81
11-Dec-15	Jan'16	1522	13,947.50	21,228.10
14-Dec-15	Jan'16	1499	14,077.50	21,102.17
15-Dec-15	Jan'16	1475	14,056.50	20,733.34
16-Dec-15	Jan'16	1480	14,069.50	20,822.86
17-Dec-15	Jan'16	1486	14,006.50	20,813.66
18-Dec-15	Jan'16	1482	13,917.50	20,625.74
21-Dec-15	Jan'16	1487	13,772.50	20,479.71
22-Dec-15	Jan'16	1482	13,675.00	20,266.35
23-Dec-15	Jan'16	1491	13,642.50	20,340.97
28-Dec-15	Jan'16	1485	13,650.00	20,270.25
29-Dec-15	Jan'16	1485	13,745.00	20,411.33
30-Dec-15	Jan'16	1477	13,782.50	20,356.75
31-Dec-15	Jan'16	1476	13,787.50	20,350.35
4-Jan-16	Jan'16	1491	13,915.00	20,747.27
5-Jan-16	Jan'16	1481	13,862.50	20,530.36
6-Jan-16	Jan'16	1465	13,947.50	20,433.09
7-Jan-16	Jan'16	1451	13,927.50	20,208.80
8-Jan-16	Jan'16	1434	13,922.50	19,964.87
11-Jan-16	Jan'16	1440	13,875.00	19,980.00
12-Jan-16	Jan'16	1403	13,910.00	19,515.73
13-Jan-16	Jan'16	1406	13,827.50	19,441.47
14-Jan-16	Jan'16	1415	13,910.00	19,682.65
15-Jan-16	Jan'16	1391	13,894.50	19,327.25
18-Jan-16	Jan'16	1394	13,932.50	19,421.91
19-Jan-16	Jan'16	1372	13,880.00	19,043.36
20-Jan-16	Jan'16	1364	13,960.00	19,041.44
21-Jan-16	Jan'16	1318	13,910.00	18,333.38
22-Jan-16	Jan'16	1327	13,850.00	18,378.95
25-Jan-16	Jan'16	1352	13,872.50	18,755.62
26-Jan-16	Jan'16	1340	13,900.00	18,626.00
15-Sep-15	Mar'16	1614	14,407.50	23,253.71
16-Sep-15	Mar'16	1605	14,455.00	23,200.28
17-Sep-15	Mar'16	1610	14,457.50	23,276.58
18-Sep-15	Mar'16	1593	14,375.00	22,899.38
21-Sep-15	Mar'16	1585	14,455.00	22,911.18
22-Sep-15	Mar'16	1564	14,497.50	22,674.09
23-Sep-15	Mar'16	1540	14,647.50	22,557.15
28-Sep-15	Mar'16	1618	14,697.50	23,780.56
29-Sep-15	Mar'16	1572	14,682.50	23,080.89
30-Sep-15	Mar'16	1596	14,650.00	23,381.40
1-Oct-15	Mar'16	1578	14,670.00	23,149.26

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
2-Oct-15	Mar'16	1580	14,642.50	23,135.15
5-Oct-15	Mar'16	1597	14,495.00	23,148.52
6-Oct-15	Mar'16	1638	14,245.50	23,334.13
7-Oct-15	Mar'16	1630	13,825.00	22,534.75
8-Oct-15	Mar'16	1587	13,867.50	22,007.72
9-Oct-15	Mar'16	1611	13,420.00	21,619.62
12-Oct-15	Mar'16	1646	13,405.00	22,064.63
13-Oct-15	Mar'16	1651	13,619.50	22,485.79
15-Oct-15	Mar'16	1652	13,455.00	22,227.66
19-Oct-15	Mar'16	1633	13,531.50	22,096.94
20-Oct-15	Mar'16	1615	13,645.00	22,036.68
21-Oct-15	Mar'16	1600	13,717.00	21,947.20
22-Oct-15	Mar'16	1591	13,657.50	21,729.08
23-Oct-15	Mar'16	1599	13,635.00	21,802.37
26-Oct-15	Mar'16	1571	13,645.00	21,436.30
27-Oct-15	Mar'16	1565	13,622.50	21,319.21
28-Oct-15	Mar'16	1570	13,477.50	21,159.68
29-Oct-15	Mar'16	1590	13,635.00	21,679.65
30-Oct-15	Mar'16	1616	13,687.50	22,119.00
2-Nov-15	Mar'16	1653	13,667.50	22,592.38
3-Nov-15	Mar'16	1639	13,555.00	22,216.65
4-Nov-15	Mar'16	1655	13,555.00	22,433.53
5-Nov-15	Mar'16	1680	13,565.00	22,789.20
6-Nov-15	Mar'16	1681	13,560.00	22,794.36
9-Nov-15	Mar'16	1619	13,647.50	22,095.30
10-Nov-15	Mar'16	1638	13,609.50	22,292.36
11-Nov-15	Mar'16	1641	13,602.50	22,321.70
12-Nov-15	Mar'16	1644	13,602.50	22,362.51
13-Nov-15	Mar'16	1622	13,665.00	22,164.63
16-Nov-15	Mar'16	1567	13,727.50	21,510.99
17-Nov-15	Mar'16	1575	13,747.50	21,652.31
18-Nov-15	Mar'16	1573	13,799.50	21,706.61
19-Nov-15	Mar'16	1529	13,777.50	21,065.80
20-Nov-15	Mar'16	1584	13,655.00	21,629.52
23-Nov-15	Mar'16	1600	13,723.00	21,956.80
24-Nov-15	Mar'16	1566	13,707.50	21,465.95
25-Nov-15	Mar'16	1579	13,687.50	21,612.56
26-Nov-15	Mar'16	1562	13,728.50	21,443.92
27-Nov-15	Mar'16	1549	13,780.00	21,345.22
30-Nov-15	Mar'16	1543	13,835.00	21,347.41
1-Dec-15	Mar'16	1478	13,782.50	20,370.54
2-Dec-15	Mar'16	1521	13,797.50	20,986.00

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
3-Dec-15	Mar'16	1526	13,843.50	21,125.18
4-Dec-15	Mar'16	1563	13,832.00	21,619.42
7-Dec-15	Mar'16	1564	13,842.50	21,649.67
8-Dec-15	Mar'16	1562	13,872.50	21,668.85
10-Dec-15	Mar'16	1555	13,935.00	21,668.93
11-Dec-15	Mar'16	1550	13,947.50	21,618.63
14-Dec-15	Mar'16	1528	14,077.50	21,510.42
15-Dec-15	Mar'16	1505	14,056.50	21,155.03
16-Dec-15	Mar'16	1507	14,069.50	21,202.74
17-Dec-15	Mar'16	1515	14,006.50	21,219.85
18-Dec-15	Mar'16	1508	13,917.50	20,987.59
21-Dec-15	Mar'16	1513	13,772.50	20,837.79
22-Dec-15	Mar'16	1508	13,675.00	20,621.90
23-Dec-15	Mar'16	1527	13,642.50	20,832.10
28-Dec-15	Mar'16	1525	13,650.00	20,816.25
29-Dec-15	Mar'16	1525	13,745.00	20,961.13
30-Dec-15	Mar'16	1517	13,782.50	20,908.05
31-Dec-15	Mar'16	1515	13,787.50	20,888.06
4-Jan-16	Mar'16	1557	13,915.00	21,665.66
5-Jan-16	Mar'16	1528	13,862.50	21,181.90
6-Jan-16	Mar'16	1507	13,947.50	21,018.88
7-Jan-16	Mar'16	1492	13,927.50	20,779.83
8-Jan-16	Mar'16	1479	13,922.50	20,591.38
11-Jan-16	Mar'16	1485	13,875.00	20,604.38
12-Jan-16	Mar'16	1444	13,910.00	20,086.04
13-Jan-16	Mar'16	1448	13,827.50	20,022.22
14-Jan-16	Mar'16	1457	13,910.00	20,266.87
15-Jan-16	Mar'16	1438	13,894.50	19,980.29
18-Jan-16	Mar'16	1441	13,932.50	20,076.73
19-Jan-16	Mar'16	1420	13,880.00	19,709.60
20-Jan-16	Mar'16	1412	13,960.00	19,711.52
21-Jan-16	Mar'16	1366	13,910.00	19,001.06
22-Jan-16	Mar'16	1370	13,850.00	18,974.50
25-Jan-16	Mar'16	1395	13,872.50	19,352.14
26-Jan-16	Mar'16	1389	13,900.00	19,307.10
27-Jan-16	Mar'16	1390	13,878.50	19,291.12
28-Jan-16	Mar'16	1416	13,874.50	19,646.29
29-Jan-16	Mar'16	1402	13,775.00	19,312.55
1-Feb-16	Mar'16	1382	13,637.50	18,847.03
2-Feb-16	Mar'16	1375	13,687.50	18,820.31
3-Feb-16	Mar'16	1397	13,765.00	19,229.71
9-Feb-16	Mar'16	1386	13,605.00	18,856.53

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
10-Feb-16	Mar'16	1387	13,462.50	18,672.49
11-Feb-16	Mar'16	1392	13,462.50	18,739.80
12-Feb-16	Mar'16	1382	13,490.00	18,643.18
15-Feb-16	Mar'16	1419	13,375.00	18,979.13
16-Feb-16	Mar'16	1410	13,400.00	18,894.00
17-Feb-16	Mar'16	1419	13,510.00	19,170.69
18-Feb-16	Mar'16	1414	13,495.00	19,081.93
19-Feb-16	Mar'16	1402	13,495.00	18,919.99
22-Feb-16	Mar'16	1384	13,437.50	18,597.50
24-Feb-16	Mar'16	1362	13,412.50	18,267.83
25-Feb-16	Mar'16	1335	13,410.50	17,903.02
22-Mar-16	Mar'16	1438	13,180.00	18,952.84
23-Mar-16	Mar'16	1479	13,177.50	19,489.52
17-Dec-15	Mei'16	1544	14,006.50	21,626.04
18-Dec-15	Mei'16	1536	13,917.50	21,377.28
22-Dec-15	Mei'16	1534	13,772.50	21,127.02
23-Dec-15	Mei'16	1553	13,675.00	21,237.28
28-Dec-15	Mei'16	1552	13,642.50	21,173.16
29-Dec-15	Mei'16	1552	13,745.00	21,332.24
30-Dec-15	Mei'16	1542	13,782.50	21,252.62
31-Dec-15	Mei'16	1541	13,787.50	21,246.54
4-Jan-16	Mei'16	1557	13,915.00	21,665.66
5-Jan-16	Mei'16	1556	13,862.50	21,570.05
6-Jan-16	Mei'16	1537	13,947.50	21,437.31
7-Jan-16	Mei'16	1522	13,927.50	21,197.66
8-Jan-16	Mei'16	1509	13,922.50	21,009.05
11-Jan-16	Mei'16	1513	13,875.00	20,992.88
12-Jan-16	Mei'16	1473	13,910.00	20,489.43
13-Jan-16	Mei'16	1477	13,827.50	20,423.22
14-Jan-16	Mei'16	1488	13,910.00	20,698.08
15-Jan-16	Mei'16	1467	13,894.50	20,383.23
18-Jan-16	Mei'16	1470	13,932.50	20,480.78
19-Jan-16	Mei'16	1451	13,880.00	20,139.88
20-Jan-16	Mei'16	1443	13,960.00	20,144.28
21-Jan-16	Mei'16	1399	13,910.00	19,460.09
22-Jan-16	Mei'16	1401	13,850.00	19,403.85
25-Jan-16	Mei'16	1425	13,872.50	19,768.31
26-Jan-16	Mei'16	1417	13,900.00	19,696.30
27-Jan-16	Mei'16	1418	13,878.50	19,679.71
28-Jan-16	Mei'16	1441	13,874.50	19,993.15
29-Jan-16	Mei'16	1432	13,775.00	19,725.80
1-Feb-16	Mei'16	1414	13,637.50	19,283.43

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
2-Feb-16	Mei'16	1408	13,687.50	19,272.00
3-Feb-16	Mei'16	1427	13,765.00	19,642.66
4-Feb-16	Mei'16	1431	13,637.50	19,515.26
5-Feb-16	Mei'16	1462	13,625.00	19,919.75
9-Feb-16	Mei'16	1416	13,605.00	19,264.68
10-Feb-16	Mei'16	1416	13,462.50	19,062.90
11-Feb-16	Mei'16	1420	13,462.50	19,116.75
12-Feb-16	Mei'16	1408	13,490.00	18,993.92
15-Feb-16	Mei'16	1441	13,375.00	19,273.38
16-Feb-16	Mei'16	1433	13,400.00	19,202.20
17-Feb-16	Mei'16	1442	13,510.00	19,481.42
18-Feb-16	Mei'16	1442	13,495.00	19,459.79
19-Feb-16	Mei'16	1428	13,495.00	19,270.86
22-Feb-16	Mei'16	1417	13,437.50	19,040.94
23-Feb-16	Mei'16	1418	13,425.00	19,036.65
24-Feb-16	Mei'16	1397	13,412.50	18,737.26
25-Feb-16	Mei'16	1371	13,410.50	18,385.80
26-Feb-16	Mei'16	1368	13,370.00	18,290.16
29-Feb-16	Mei'16	1366	13,372.00	18,266.15
1-Mar-16	Mei'16	1413	13,350.00	18,863.55
2-Mar-16	Mei'16	1377	13,290.00	18,300.33
3-Mar-16	Mei'16	1391	13,235.00	18,409.89
4-Mar-16	Mei'16	1394	13,135.00	18,310.19
7-Mar-16	Mei'16	1393	13,090.00	18,234.37
8-Mar-16	Mei'16	1394	13,143.00	18,321.34
10-Mar-16	Mei'16	1420	13,072.50	18,562.95
11-Mar-16	Mei'16	1402	13,070.00	18,324.14
14-Mar-16	Mei'16	1427	13,060.00	18,636.62
15-Mar-16	Mei'16	1438	13,177.50	18,949.25
16-Mar-16	Mei'16	1423	13,267.50	18,879.65
17-Mar-16	Mei'16	1426	13,095.00	18,673.47
18-Mar-16	Mei'16	1459	13,117.50	19,138.43
21-Mar-16	Mei'16	1482	13,135.00	19,466.07
22-Mar-16	Mei'16	1473	13,180.00	19,414.14
23-Mar-16	Mei'16	1514	13,177.50	19,950.74
24-Mar-16	Mei'16	1515	13,252.50	20,077.54
28-Mar-16	Mei'16	1491	13,367.50	19,930.94
29-Mar-16	Mei'16	1491	13,397.50	19,975.67
30-Mar-16	Mei'16	1496	13,267.50	19,848.18
31-Mar-16	Mei'16	1504	13,260.00	19,943.04
1-Apr-16	Mei'16	1501	13,160.00	19,753.16
4-Apr-16	Mei'16	1485	13,166.50	19,552.25

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
5-Apr-16	Mei'16	1474	13,219.00	19,484.81
6-Apr-16	Mei'16	1457	13,222.50	19,265.18
7-Apr-16	Mei'16	1470	13,160.00	19,345.20
8-Apr-16	Mei'16	1496	13,142.50	19,661.18
11-Apr-16	Mei'16	1513	13,127.50	19,861.91
12-Apr-16	Mei'16	1548	13,113.50	20,299.70
13-Apr-16	Mei'16	1559	13,160.00	20,516.44
14-Apr-16	Mei'16	1515	13,177.50	19,963.91
15-Apr-16	Mei'16	1523	13,175.00	20,065.53
18-Apr-16	Mei'16	1525	13,175.00	20,091.88
19-Apr-16	Mei'16	1530	13,147.50	20,115.68
20-Apr-16	Mei'16	1535	13,141.00	20,171.44
21-Apr-16	Mei'16	1547	13,157.50	20,354.65
22-Apr-16	Mei'16	1534	13,197.50	20,244.97
25-Apr-16	Mei'16	1524	13,197.50	20,112.99
26-Apr-16	Mei'16	1535	13,200.00	20,262.00
27-Apr-16	Mei'16	1556	13,194.50	20,530.64
28-Apr-16	Mei'16	1535	13,186.50	20,241.28
2-May-16	Mei'16	1556	13,180.00	20,508.08
3-May-16	Mei'16	1556	13,194.50	20,530.64
4-May-16	Mei'16	1554	13,241.50	20,577.29
9-May-16	Mei'16	1619	13,290.00	21,516.51
10-May-16	Mei'16	1606	13,287.50	21,339.73
11-May-16	Mei'16	1631	13,305.00	21,700.46
12-May-16	Mei'16	1642	13,297.50	21,834.50
13-May-16	Mei'16	1649	13,317.50	21,960.56
16-May-16	Mei'16	1651	13,302.50	21,962.43
17-May-16	Mei'16	1658	13,298.50	22,048.91
18-May-16	Mei'16	1670	13,389.00	22,359.63
19-May-16	Mei'16	1640	13,555.00	22,230.20
20-May-16	Mei'16	1613	13,607.50	21,948.90
23-May-16	Mei'16	1632	13,582.50	22,166.64
24-May-16	Mei'16	1615	13,690.00	22,109.35
25-May-16	Mei'16	1620	13,655.00	22,121.10
26-May-16	Mei'16	1616	13,603.50	21,983.26
27-May-16	Mei'16	1619	13,583.00	21,990.88
2-Dec-15	Jul'16	1568	13,797.50	21,634.48
3-Dec-15	Jul'16	1573	13,843.50	21,775.83
4-Dec-15	Jul'16	1613	13,832.00	22,311.02
10-Dec-15	Jul'16	1606	13,935.00	22,379.61
11-Dec-15	Jul'16	1603	13,947.50	22,357.84
3-Feb-16	Jul'16	1457	13,765.00	20,055.61

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
4-Feb-16	Jul'16	1458	13,637.50	19,883.48
5-Feb-16	Jul'16	1488	13,625.00	20,274.00
18-Feb-16	Jul'16	1468	13,495.00	19,810.66
19-Feb-16	Jul'16	1454	13,495.00	19,621.73
22-Feb-16	Jul'16	1442	13,437.50	19,376.88
23-Feb-16	Jul'16	1418	13,425.00	19,036.65
24-Feb-16	Jul'16	1427	13,412.50	19,139.64
25-Feb-16	Jul'16	1402	13,410.50	18,801.52
26-Feb-16	Jul'16	1397	13,370.00	18,677.89
29-Feb-16	Jul'16	1395	13,372.00	18,653.94
1-Mar-16	Jul'16	1413	13,350.00	18,863.55
2-Mar-16	Jul'16	1406	13,290.00	18,685.74
3-Mar-16	Jul'16	1420	13,235.00	18,793.70
4-Mar-16	Jul'16	1424	13,135.00	18,704.24
7-Mar-16	Jul'16	1424	13,090.00	18,640.16
8-Mar-16	Jul'16	1425	13,143.00	18,728.78
10-Mar-16	Jul'16	1449	13,072.50	18,942.05
11-Mar-16	Jul'16	1430	13,070.00	18,690.10
14-Mar-16	Jul'16	1454	13,060.00	18,989.24
15-Mar-16	Jul'16	1465	13,177.50	19,305.04
16-Mar-16	Jul'16	1451	13,267.50	19,251.14
17-Mar-16	Jul'16	1456	13,095.00	19,066.32
18-Mar-16	Jul'16	1487	13,117.50	19,505.72
21-Mar-16	Jul'16	1511	13,135.00	19,846.99
22-Mar-16	Jul'16	1501	13,180.00	19,783.18
23-Mar-16	Jul'16	1542	13,177.50	20,319.71
24-Mar-16	Jul'16	1546	13,252.50	20,488.37
28-Mar-16	Jul'16	1522	13,367.50	20,345.34
29-Mar-16	Jul'16	1522	13,397.50	20,391.00
30-Mar-16	Jul'16	1526	13,267.50	20,246.21
31-Mar-16	Jul'16	1535	13,260.00	20,354.10
1-Apr-16	Jul'16	1534	13,160.00	20,187.44
4-Apr-16	Jul'16	1519	13,166.50	19,999.91
5-Apr-16	Jul'16	1364	13,219.00	18,030.72
6-Apr-16	Jul'16	1490	13,222.50	19,701.53
7-Apr-16	Jul'16	1502	13,160.00	19,766.32
8-Apr-16	Jul'16	1528	13,142.50	20,081.74
11-Apr-16	Jul'16	1543	13,127.50	20,255.73
12-Apr-16	Jul'16	1575	13,113.50	20,653.76
13-Apr-16	Jul'16	1585	13,160.00	20,858.60
14-Apr-16	Jul'16	1546	13,177.50	20,372.42
15-Apr-16	Jul'16	1552	13,175.00	20,447.60

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
18-Apr-16	Jul'16	1552	13,175.00	20,447.60
19-Apr-16	Jul'16	1555	13,147.50	20,444.36
20-Apr-16	Jul'16	1565	13,141.00	20,565.67
21-Apr-16	Jul'16	1578	13,157.50	20,762.54
22-Apr-16	Jul'16	1567	13,197.50	20,680.48
25-Apr-16	Jul'16	1557	13,197.50	20,548.51
26-Apr-16	Jul'16	1571	13,200.00	20,737.20
27-Apr-16	Jul'16	1589	13,194.50	20,966.06
28-Apr-16	Jul'16	1573	13,186.50	20,742.36
2-May-16	Jul'16	1588	13,180.00	20,929.84
3-May-16	Jul'16	1588	13,194.50	20,952.87
4-May-16	Jul'16	1579	13,241.50	20,908.33
9-May-16	Jul'16	1649	13,290.00	21,915.21
10-May-16	Jul'16	1635	13,287.50	21,725.06
11-May-16	Jul'16	1660	13,305.00	22,086.30
12-May-16	Jul'16	1671	13,297.50	22,220.12
13-May-16	Jul'16	1678	13,317.50	22,346.77
16-May-16	Jul'16	1680	13,302.50	22,348.20
17-May-16	Jul'16	1686	13,298.50	22,421.27
18-May-16	Jul'16	1699	13,389.00	22,747.91
19-May-16	Jul'16	1669	13,555.00	22,623.30
20-May-16	Jul'16	1638	13,607.50	22,289.09
23-May-16	Jul'16	1660	13,582.50	22,546.95
24-May-16	Jul'16	1643	13,690.00	22,492.67
25-May-16	Jul'16	1648	13,655.00	22,503.44
26-May-16	Jul'16	1644	13,603.50	22,364.15
27-May-16	Jul'16	1639	13,583.00	22,262.54
30-May-16	Jul'16	1640	13,645.00	22,377.80
31-May-16	Jul'16	1640	13,660.00	22,402.40
1-Jun-16	Jul'16	1648	13,660.00	22,511.68
2-Jun-16	Jul'16	1646	13,647.50	22,463.79
3-Jun-16	Jul'16	1632	13,591.50	22,181.33
6-Jun-16	Jul'16	1641	13,377.50	21,952.48
7-Jun-16	Jul'16	1665	13,270.00	22,094.55
8-Jun-16	Jul'16	1689	13,265.00	22,404.59
9-Jun-16	Jul'16	1697	13,265.00	22,510.71
10-Jun-16	Jul'16	1685	13,297.50	22,406.29
13-Jun-16	Jul'16	1643	13,278.50	21,816.58
14-Jun-16	Jul'16	1649	13,365.00	22,038.89
15-Jun-16	Jul'16	1618	13,372.50	21,636.71
16-Jun-16	Jul'16	1611	13,367.50	21,535.04
17-Jun-16	Jul'16	1613	13,337.50	21,513.39

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
21-Jun-16	Jul'16	1665	13,262.50	22,082.06
22-Jun-16	Jul'16	1683	13,284.00	22,356.97
23-Jun-16	Jul'16	1675	13,257.50	22,206.31
24-Jun-16	Jul'16	1684	13,380.00	22,531.92
27-Jun-16	Jul'16	1643	13,340.00	21,917.62
28-Jun-16	Jul'16	1639	13,177.50	21,597.92
29-Jun-16	Jul'16	1672	13,161.50	22,006.03
30-Jun-16	Jul'16	1696	13,212.50	22,408.40
1-Jul-16	Jul'16	1688	13,140.00	22,180.32
11-Jul-16	Jul'16	1535	13,090.00	20,093.15
12-Jul-16	Jul'16	1827	13,120.00	23,970.24
13-Jul-16	Jul'16	1807	13,095.00	23,662.67
14-Jul-16	Jul'16	1810	13,082.50	23,679.33
15-Jul-16	Jul'16	1836	13,091.50	24,035.99
18-Jul-16	Jul'16	1810	13,087.50	23,688.38
19-Jul-16	Jul'16	1805	13,089.00	23,625.65
20-Jul-16	Jul'16	1801	13,112.50	23,615.61
21-Jul-16	Jul'16	1808	13,100.00	23,684.80
22-Jul-16	Jul'16	1810	13,108.50	23,726.39
25-Jul-16	Jul'16	1780	13,140.00	23,389.20
26-Jul-16	Jul'16	1778	13,167.50	23,411.82
27-Jul-16	Jul'16	1803	13,140.00	23,691.42
28-Jul-16	Jul'16	1796	13,101.00	23,529.40
29-Jul-16	Jul'16	1805	13,098.50	23,642.79
4-Apr-16	Sep'16	1538	13,166.50	20,250.08
20-Apr-16	Sep'16	1586	13,141.00	20,841.63
21-Apr-16	Sep'16	1598	13,157.50	21,025.69
22-Apr-16	Sep'16	1587	13,197.50	20,944.43
11-May-16	Sep'16	1675	13,305.00	22,285.88
12-May-16	Sep'16	1685	13,297.50	22,406.29
17-May-16	Sep'16	1698	13,298.50	22,580.85
18-May-16	Sep'16	1714	13,389.00	22,948.75
19-May-16	Sep'16	1685	13,555.00	22,840.18
20-May-16	Sep'16	1654	13,607.50	22,506.81
23-May-16	Sep'16	1676	13,582.50	22,764.27
24-May-16	Sep'16	1657	13,690.00	22,684.33
25-May-16	Sep'16	1660	13,655.00	22,667.30
26-May-16	Sep'16	1660	13,603.50	22,581.81
27-May-16	Sep'16	1658	13,583.00	22,520.61
30-May-16	Sep'16	1661	13,645.00	22,664.35
31-May-16	Sep'16	1661	13,660.00	22,689.26
1-Jun-16	Sep'16	1668	13,660.00	22,784.88

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
2-Jun-16	Sep'16	1667	13,647.50	22,750.38
3-Jun-16	Sep'16	1656	13,591.50	22,507.52
6-Jun-16	Sep'16	1668	13,377.50	22,313.67
7-Jun-16	Sep'16	1689	13,270.00	22,413.03
8-Jun-16	Sep'16	1712	13,265.00	22,709.68
9-Jun-16	Sep'16	1726	13,265.00	22,895.39
10-Jun-16	Sep'16	1714	13,297.50	22,791.92
13-Jun-16	Sep'16	1674	13,278.50	22,228.21
14-Jun-16	Sep'16	1681	13,365.00	22,466.57
15-Jun-16	Sep'16	1651	13,372.50	22,078.00
16-Jun-16	Sep'16	1646	13,367.50	22,002.91
17-Jun-16	Sep'16	1648	13,337.50	21,980.20
21-Jun-16	Sep'16	1693	13,262.50	22,453.41
22-Jun-16	Sep'16	1715	13,284.00	22,782.06
23-Jun-16	Sep'16	1708	13,257.50	22,643.81
24-Jun-16	Sep'16	1718	13,380.00	22,986.84
27-Jun-16	Sep'16	1669	13,340.00	22,264.46
28-Jun-16	Sep'16	1664	13,177.50	21,927.36
29-Jun-16	Sep'16	1701	13,161.50	22,387.71
30-Jun-16	Sep'16	1722	13,212.50	22,751.93
1-Jul-16	Sep'16	1717	13,140.00	22,561.38
11-Jul-16	Sep'16	1504	13,090.00	19,687.36
12-Jul-16	Sep'16	1829	13,120.00	23,996.48
13-Jul-16	Sep'16	1809	13,095.00	23,688.86
14-Jul-16	Sep'16	1816	13,082.50	23,757.82
15-Jul-16	Sep'16	1842	13,091.50	24,114.54
18-Jul-16	Sep'16	1819	13,087.50	23,806.16
19-Jul-16	Sep'16	1814	13,089.00	23,743.45
20-Jul-16	Sep'16	1812	13,112.50	23,759.85
21-Jul-16	Sep'16	1816	13,100.00	23,789.60
22-Jul-16	Sep'16	1818	13,108.50	23,831.25
25-Jul-16	Sep'16	1788	13,140.00	23,494.32
26-Jul-16	Sep'16	1786	13,167.50	23,517.16
27-Jul-16	Sep'16	1811	13,140.00	23,796.54
28-Jul-16	Sep'16	1804	13,101.00	23,634.20
29-Jul-16	Sep'16	1813	13,098.50	23,747.58
1-Aug-16	Sep'16	1848	13,071.00	24,155.21
2-Aug-16	Sep'16	1818	13,097.50	23,811.26
3-Aug-16	Sep'16	1826	13,125.00	23,966.25
4-Aug-16	Sep'16	1827	13,137.50	24,002.21
5-Aug-16	Sep'16	1817	13,128.50	23,854.48
8-Aug-16	Sep'16	1823	13,130.00	23,935.99

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
9-Aug-16	Sep'16	1825	13,132.50	23,966.81
10-Aug-16	Sep'16	1819	13,113.50	23,853.46
11-Aug-16	Sep'16	1818	13,117.00	23,846.71
12-Aug-16	Sep'16	1808	13,121.00	23,722.77
15-Aug-16	Sep'16	1803	13,112.50	23,641.84
16-Aug-16	Sep'16	1801	13,096.00	23,585.90
18-Aug-16	Sep'16	1753	13,116.50	22,993.22
19-Aug-16	Sep'16	1789	13,157.50	23,538.77
22-Aug-16	Sep'16	1786	13,211.50	23,595.74
23-Aug-16	Sep'16	1799	13,219.00	23,780.98
24-Aug-16	Sep'16	1791	13,247.50	23,726.27
25-Aug-16	Sep'16	1779	13,241.50	23,556.63
26-Aug-16	Sep'16	1761	13,206.00	23,255.77
29-Aug-16	Sep'16	1783	13,265.00	23,651.50
30-Aug-16	Sep'16	1783	13,277.50	23,673.78
31-Aug-16	Sep'16	1780	13,267.50	23,616.15
1-Sep-16	Sep'16	1793	13,268.00	23,789.52
2-Sep-16	Sep'16	1826	13,247.00	24,189.02
5-Sep-16	Sep'16	1841	13,152.50	24,213.75
6-Sep-16	Sep'16	1855	13,126.50	24,349.66
7-Sep-16	Sep'16	1867	13,085.00	24,429.70
8-Sep-16	Sep'16	1902	13,062.50	24,844.88
13-Sep-16	Sep'16	1919	13,170.00	25,273.23
14-Sep-16	Sep'16	1936	13,204.50	25,563.91
15-Sep-16	Sep'16	1933	13,175.00	25,467.28
16-Sep-16	Sep'16	1927	13,157.50	25,354.50
19-Sep-16	Sep'16	1923	13,156.00	25,298.99
20-Sep-16	Sep'16	1953	13,152.50	25,686.83
21-Sep-16	Sep'16	1951	13,135.50	25,627.36
22-Sep-16	Sep'16	1982	13,090.00	25,944.38
23-Sep-16	Sep'16	1997	13,076.50	26,113.77
26-Sep-16	Sep'16	1961	13,030.00	25,551.83
27-Sep-16	Sep'16	1970	12,955.00	25,521.35
28-Sep-16	Sep'16	1990	12,947.50	25,765.53
29-Sep-16	Sep'16	1991	12,975.00	25,833.23
30-Sep-16	Sep'16	2005	13,051.00	26,167.26
31-May-16	Nov'16	1673	13,660.00	22,853.18
1-Jun-16	Nov'16	1681	13,660.00	22,962.46
2-Jun-16	Nov'16	1679	13,647.50	22,914.15
3-Jun-16	Nov'16	1668	13,591.50	22,670.62
6-Jun-16	Nov'16	1682	13,377.50	22,500.96
7-Jun-16	Nov'16	1702	13,270.00	22,585.54

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
8-Jun-16	Nov'16	1726	13,265.00	22,895.39
9-Jun-16	Nov'16	1740	13,265.00	23,081.10
10-Jun-16	Nov'16	1730	13,297.50	23,004.68
13-Jun-16	Nov'16	1691	13,278.50	22,453.94
14-Jun-16	Nov'16	1697	13,365.00	22,680.41
15-Jun-16	Nov'16	1669	13,372.50	22,318.70
16-Jun-16	Nov'16	1664	13,367.50	22,243.52
17-Jun-16	Nov'16	1665	13,337.50	22,206.94
21-Jun-16	Nov'16	1710	13,262.50	22,678.88
22-Jun-16	Nov'16	1730	13,284.00	22,981.32
23-Jun-16	Nov'16	1724	13,257.50	22,855.93
24-Jun-16	Nov'16	1734	13,380.00	23,200.92
27-Jun-16	Nov'16	1686	13,340.00	22,491.24
28-Jun-16	Nov'16	1682	13,177.50	22,164.56
29-Jun-16	Nov'16	1716	13,161.50	22,585.13
30-Jun-16	Nov'16	1736	13,212.50	22,936.90
1-Jul-16	Nov'16	1731	13,140.00	22,745.34
11-Jul-16	Nov'16	1471	13,090.00	19,255.39
12-Jul-16	Nov'16	1843	13,120.00	24,180.16
13-Jul-16	Nov'16	1827	13,095.00	23,924.57
14-Jul-16	Nov'16	1834	13,082.50	23,993.31
15-Jul-16	Nov'16	1860	13,091.50	24,350.19
18-Jul-16	Nov'16	1841	13,087.50	24,094.09
19-Jul-16	Nov'16	1836	13,089.00	24,031.40
20-Jul-16	Nov'16	1833	13,112.50	24,035.21
21-Jul-16	Nov'16	1838	13,100.00	24,077.80
22-Jul-16	Nov'16	1841	13,108.50	24,132.75
25-Jul-16	Nov'16	1813	13,140.00	23,822.82
26-Jul-16	Nov'16	1808	13,167.50	23,806.84
27-Jul-16	Nov'16	1834	13,140.00	24,098.76
28-Jul-16	Nov'16	1824	13,101.00	23,896.22
29-Jul-16	Nov'16	1837	13,098.50	24,061.94
1-Aug-16	Nov'16	1871	13,071.00	24,455.84
2-Aug-16	Nov'16	1843	13,097.50	24,138.69
3-Aug-16	Nov'16	1851	13,125.00	24,294.38
4-Aug-16	Nov'16	1853	13,137.50	24,343.79
5-Aug-16	Nov'16	1846	13,128.50	24,235.21
8-Aug-16	Nov'16	1853	13,130.00	24,329.89
9-Aug-16	Nov'16	1855	13,132.50	24,360.79
10-Aug-16	Nov'16	1848	13,113.50	24,233.75
11-Aug-16	Nov'16	1848	13,117.00	24,240.22
12-Aug-16	Nov'16	1841	13,121.00	24,155.76

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
15-Aug-16	Nov'16	1835	13,112.50	24,061.44
16-Aug-16	Nov'16	1834	13,096.00	24,018.06
18-Aug-16	Nov'16	1785	13,116.50	23,412.95
19-Aug-16	Nov'16	1823	13,157.50	23,986.12
22-Aug-16	Nov'16	1817	13,211.50	24,005.30
23-Aug-16	Nov'16	1831	13,219.00	24,203.99
24-Aug-16	Nov'16	1821	13,247.50	24,123.70
25-Aug-16	Nov'16	1810	13,241.50	23,967.12
26-Aug-16	Nov'16	1797	13,206.00	23,731.18
29-Aug-16	Nov'16	1819	13,265.00	24,129.04
30-Aug-16	Nov'16	1819	13,277.50	24,151.77
31-Aug-16	Nov'16	1816	13,267.50	24,093.78
1-Sep-16	Nov'16	1828	13,268.00	24,253.90
2-Sep-16	Nov'16	1852	13,247.00	24,533.44
5-Sep-16	Nov'16	1865	13,152.50	24,529.41
6-Sep-16	Nov'16	1877	13,126.50	24,638.44
7-Sep-16	Nov'16	1889	13,085.00	24,717.57
8-Sep-16	Nov'16	1912	13,062.50	24,975.50
13-Sep-16	Nov'16	1926	13,170.00	25,365.42
14-Sep-16	Nov'16	1943	13,204.50	25,656.34
15-Sep-16	Nov'16	1942	13,175.00	25,585.85
16-Sep-16	Nov'16	1936	13,157.50	25,472.92
19-Sep-16	Nov'16	1937	13,156.00	25,483.17
20-Sep-16	Nov'16	1960	13,152.50	25,778.90
21-Sep-16	Nov'16	1955	13,135.50	25,679.90
22-Sep-16	Nov'16	1986	13,090.00	25,996.74
23-Sep-16	Nov'16	2002	13,076.50	26,179.15
26-Sep-16	Nov'16	1966	13,030.00	25,616.98
27-Sep-16	Nov'16	1975	12,955.00	25,586.13
28-Sep-16	Nov'16	1995	12,947.50	25,830.26
29-Sep-16	Nov'16	1996	12,975.00	25,898.10
30-Sep-16	Nov'16	2010	13,051.00	26,232.51
3-Oct-16	Nov'16	2004	12,982.50	26,016.93
4-Oct-16	Nov'16	1977	12,981.50	25,664.43
5-Oct-16	Nov'16	1958	12,997.50	25,449.11
6-Oct-16	Nov'16	1994	12,987.00	25,896.08
10-Oct-16	Nov'16	1994	12,977.50	25,877.14
11-Oct-16	Nov'16	2017	13,012.50	26,246.21
12-Oct-16	Nov'16	2028	13,018.50	26,401.52
13-Oct-16	Nov'16	2038	13,077.50	26,651.95
14-Oct-16	Nov'16	2037	13,044.50	26,571.65
17-Oct-16	Nov'16	2044	13,068.50	26,712.01

Tanggal	Penyerahan	Futures (US\$/ton)	Kurs US\$/IDR	Futures (IDR/Kg)
18-Oct-16	Nov'16	2086	13,032.00	27,184.75
19-Oct-16	Nov'16	2125	13,007.50	27,640.94
20-Oct-16	Nov'16	2104	13,007.50	27,367.78
21-Oct-16	Nov'16	2095	13,045.00	27,329.28
24-Oct-16	Nov'16	2128	13,013.00	27,691.66
25-Oct-16	Nov'16	2132	13,006.00	27,728.79
26-Oct-16	Nov'16	2153	13,007.50	28,005.15
27-Oct-16	Nov'16	2154	13,033.00	28,073.08
28-Oct-16	Nov'16	2170	13,050.50	28,319.59
31-Oct-16	Nov'16	2188	13,048.00	28,549.02
1-Nov-16	Nov'16	2229	13,041.50	29,069.50
2-Nov-16	Nov'16	2206	13,056.00	28,801.54
3-Nov-16	Nov'16	2214	13,075.00	28,948.05
4-Nov-16	Nov'16	2223	13,070.00	29,054.61
7-Nov-16	Nov'16	2245	13,088.00	29,382.56
8-Nov-16	Nov'16	2251	13,084.00	29,452.08
9-Nov-16	Nov'16	2142	13,099.00	28,058.06
10-Nov-16	Nov'16	2190	13,137.50	28,771.13
11-Nov-16	Nov'16	2133	13,287.50	28,342.24
14-Nov-16	Nov'16	2083	13,357.50	27,823.67
15-Nov-16	Nov'16	2138	13,362.50	28,569.03
16-Nov-16	Nov'16	2193	13,377.50	29,336.86
17-Nov-16	Nov'16	2215	13,372.50	29,620.09
18-Nov-16	Nov'16	2220	13,427.50	29,809.05
21-Nov-16	Nov'16	2201	13,425.00	29,548.43
22-Nov-16	Nov'16	2112	13,442.50	28,390.56
23-Nov-16	Nov'16	2126	13,482.50	28,663.80
24-Nov-16	Nov'16	2074	13,557.50	28,118.26
25-Nov-16	Nov'16	2050	13,517.50	27,710.88
28-Nov-16	Nov'16	2058	13,530.00	27,844.74
29-Nov-16	Nov'16	2100	13,572.50	28,502.25
30-Nov-16	Nov'16	2050	13,552.50	27,782.63

Sumber: BAPPEBTI, BBJ, dan Investing.com

Lampiran 15
Return Spot Harian dan Futures Kakao Harian 2012-2016
Bulan Kontrak: Maret, Mei, Juli, Desember

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
0.0186	0.0188	0.0185	0.0188	0.0184	0.0188	0.0044	0.0011
0.0039	0.0056	0.0030	0.0056	0.0034	0.0056	0.0319	0.0412
-0.0211	-0.0245	-0.0204	-0.0245	-0.0193	-0.0245	0.0023	0.0080
-0.0259	-0.0276	-0.0256	-0.0276	-0.0259	-0.0276	-0.0334	-0.0450
0.0060	0.0031	0.0060	0.0031	0.0060	0.0031	0.0114	0.0109
0.0706	0.0849	0.0689	0.0849	0.0678	0.0849	0.0054	0.0268
0.0757	0.0908	0.0746	0.0908	0.0740	0.0908	-0.0135	-0.0225
0.0073	0.0096	0.0072	0.0096	0.0072	0.0096	-0.0018	-0.0165
-0.0189	-0.0152	-0.0196	-0.0152	-0.0195	-0.0152	0.0123	0.0173
-0.0191	-0.0294	-0.0194	-0.0294	-0.0188	-0.0294	-0.0087	-0.0135
-0.0049	0.0036	-0.0049	0.0036	-0.0049	0.0036	-0.0183	0.0000
-0.0056	-0.0047	-0.0039	-0.0047	-0.0030	-0.0047	-0.0030	-0.0187
-0.0088	-0.0118	-0.0084	-0.0118	-0.0084	-0.0118	0.0006	-0.0067
0.0214	0.0151	0.0203	0.0151	0.0188	0.0151	0.0508	0.0578
-0.0157	-0.0226	-0.0138	-0.0226	-0.0128	-0.0226	0.0073	0.0103
0.0502	0.0790	0.0491	0.0790	0.0486	0.0790	-0.0098	-0.0126
0.0122	0.0018	0.0138	0.0018	0.0150	0.0018	-0.0024	-0.0024
0.0132	0.0128	0.0115	0.0128	0.0106	0.0128	-0.0223	-0.0287
-0.0168	-0.0213	-0.0151	-0.0213	-0.0129	-0.0213	-0.0438	-0.0489
-0.0524	-0.0597	-0.0498	-0.0597	-0.0492	-0.0597	0.0140	0.0176
0.0040	0.0082	0.0052	0.0082	0.0052	0.0082	0.0173	0.0164
-0.0334	-0.0479	-0.0326	-0.0479	-0.0327	-0.0479	0.0315	0.0451
0.0034	0.0116	0.0016	0.0116	0.0025	0.0116	-0.0053	-0.0072
0.0354	0.0392	0.0337	0.0392	0.0328	0.0392	-0.0174	-0.0251
-0.0207	-0.0179	-0.0206	-0.0179	-0.0200	-0.0179	0.0092	0.0130
-0.0026	0.0041	-0.0066	0.0041	-0.0078	0.0041	0.0086	0.0118
0.0029	-0.0138	0.0016	-0.0138	0.0021	-0.0138	-0.0228	-0.0295
-0.0075	-0.0049	-0.0105	-0.0049	-0.0095	-0.0049	-0.0310	-0.0379
-0.0342	-0.0392	-0.0354	-0.0392	-0.0363	-0.0392	-0.0009	-0.0040
0.0205	0.0253	0.0149	0.0253	0.0143	0.0253	-0.0143	-0.0191
0.0266	0.0388	0.0298	0.0388	0.0286	0.0388	-0.0182	-0.0226
0.0056	-0.0050	0.0592	-0.0050	0.0556	-0.0050	-0.0301	0.0000
-0.0006	0.0037	0.0053	0.0037	0.0090	0.0037	0.0034	-0.0313
0.0706	0.0775	-0.0249	0.0399	-0.0251	0.0399	0.0038	-0.1107
-0.0199	-0.0306	0.0044	0.0011	0.0044	0.0011	-0.0236	0.0442
0.0202	0.0278	0.0348	0.0412	0.0324	0.0412	0.0165	0.0234
-0.0252	-0.0340	0.0052	0.0080	0.0044	0.0080	0.0037	-0.0114
-0.0092	-0.0121	-0.0386	-0.0450	-0.0363	-0.0450	0.0434	0.0961
-0.0195	-0.0243	0.0144	0.0109	0.0131	0.0109	0.0109	0.0283
0.0000	-0.0011	0.0076	0.0268	0.0063	0.0268	0.0243	-0.0001
0.0231	0.0274	-0.0136	-0.0225	-0.0139	-0.0225	-0.0103	-0.0217
0.0354	0.0466	-0.0086	-0.0165	-0.0056	-0.0165	-0.0083	-0.0120
-0.0056	-0.0011	0.0137	0.0173	0.0127	0.0173	0.0155	0.0187
0.0238	0.0238	-0.0089	-0.0135	-0.0088	-0.0135	-0.0270	-0.0332
-0.0071	0.0024	-0.0202	0.0000	-0.0196	0.0000	0.0353	0.0437
0.0254	0.0241	-0.0030	-0.0187	-0.0030	-0.0187	-0.0148	-0.0176
0.0044	0.0019	0.0001	-0.0067	0.0006	-0.0067	0.0097	0.0111
-0.0049	-0.0089	0.0610	0.0687	0.0502	0.0578	0.0159	0.0194

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
-0.0324	-0.0348	-0.0104	-0.0126	0.0086	0.0103	-0.0364	0.0142
0.0340	0.0358	-0.0041	-0.0024	-0.0099	-0.0126	0.0426	0.0535
-0.0078	-0.0117	-0.0247	-0.0287	-0.0036	-0.0024	0.0086	0.0120
-0.0407	-0.0512	-0.0441	-0.0489	-0.0224	-0.0287	-0.0149	-0.0152
0.0124	0.0145	0.0152	0.0176	-0.0437	-0.0489	-0.0072	-0.0085
-0.0086	-0.0106	0.0180	0.0164	0.0150	0.0176	0.0291	0.0346
-0.0007	-0.0022	0.0351	0.0451	0.0178	0.0164	-0.0093	-0.0149
0.0038	0.0056	-0.0041	-0.0072	0.0339	0.0451	-0.0020	0.0064
0.0097	0.0149	-0.0202	-0.0251	-0.0045	-0.0072	0.0028	-0.0052
0.0005	0.0010	0.0085	0.0130	-0.0183	-0.0251	-0.0037	-0.0053
0.0053	0.0043	0.0096	0.0118	0.0092	0.0130	-0.0240	-0.0247
-0.0037	-0.0151	-0.0240	-0.0295	0.0091	0.0118	0.0046	0.0053
0.0008	0.0116	-0.0336	-0.0379	-0.0237	-0.0295	0.0026	0.0013
0.0321	0.0449	-0.0022	-0.0040	-0.0328	-0.0379	-0.0181	-0.0185
0.0068	0.0071	-0.0155	-0.0191	-0.0022	-0.0040	-0.0210	-0.0302
0.0045	0.0056	-0.0190	-0.0226	-0.0149	-0.0191	-0.0236	-0.0295
0.0137	0.0157	-0.0312	0.0000	-0.0197	-0.0226	-0.0074	-0.0075
0.0123	0.0135	0.0054	-0.0313	-0.0309	0.0000	0.0074	0.0152
-0.0107	-0.0150	0.0158	-0.1107	0.0039	-0.0313	0.0070	0.0053
0.0106	0.0118	-0.0252	0.0442	0.0047	-0.1107	0.0024	0.0100
-0.0006	0.0012	0.0200	0.0234	-0.0224	0.0442	-0.0230	-0.0232
0.0164	0.0242	-0.0119	-0.0114	0.0175	0.0234	0.0020	-0.0169
0.0074	0.0085	0.0833	0.0961	-0.0001	-0.0114	-0.0087	0.0022
0.0031	-0.0006	0.0237	0.0283	0.0471	0.0961	0.0153	0.0181
-0.0057	-0.0077	-0.0003	-0.0001	0.0124	0.0283	0.0212	0.0398
-0.0218	-0.0266	0.0032	0.0034	0.0294	-0.0001	0.0196	0.0124
0.0186	0.0210	0.0052	0.0070	-0.0151	-0.0217	0.0089	0.0187
-0.0024	-0.0001	0.0323	0.0393	-0.0097	-0.0120	-0.0083	-0.0138
-0.0220	-0.0239	0.0371	0.0467	0.0160	0.0187	-0.0032	-0.0001
0.0024	0.0034	0.0036	0.0048	-0.0280	-0.0332	0.0260	0.0289
0.0065	0.0070	0.0082	0.0108	0.0369	0.0437	0.0126	0.0056
0.0324	0.0393	0.0015	0.0066	-0.0158	-0.0176	-0.0020	-0.0167
0.0376	0.0467	0.0038	-0.0007	0.0098	0.0111	-0.0068	0.0085
0.0032	0.0048	-0.0211	-0.0251	0.0165	0.0194	-0.0240	-0.0306
0.0086	0.0108	0.0384	0.0472	-0.0388	0.0142	0.0226	0.0278
0.0035	0.0066	0.0137	0.0162	0.0457	0.0535	-0.0285	-0.0340
0.0038	-0.0007	-0.0041	-0.0074	0.0090	0.0120	-0.0094	-0.0121
-0.0223	-0.0251	-0.0066	-0.0093	-0.0149	-0.0152	-0.0207	-0.0243
0.0389	0.0472	-0.0081	-0.0102	-0.0073	-0.0085	0.0000	-0.0011
0.0133	0.0162	0.0014	-0.0581	0.0297	0.0346	0.0229	0.0274
-0.0045	-0.0074	-0.0151	-0.0085	-0.0094	-0.0149	0.0386	0.0466
-0.0074	-0.0093	0.0061	-0.0001	-0.0020	0.0064	-0.0064	-0.0011
-0.0081	-0.0102	-0.0158	-0.0211	0.0028	-0.0052	0.0276	0.0238
0.0014	-0.0581	-0.0163	-0.0179	-0.0033	-0.0053	-0.0080	0.0024
-0.0140	-0.0085	-0.0051	-0.0049	-0.0245	-0.0247	0.0282	0.0241
0.0061	-0.0001	0.0030	0.0012	0.0033	0.0053	0.0044	0.0019
-0.0170	-0.0211	-0.0271	-0.0328	0.0031	0.0013	-0.0032	-0.0089
-0.0164	-0.0179	0.0140	0.0178	-0.0178	-0.0185	-0.0359	-0.0348
-0.0039	-0.0049	-0.0054	-0.0056	-0.0229	-0.0302	0.0319	0.0358
0.0022	0.0012	0.0055	0.0060	-0.0247	-0.0295	-0.0101	-0.0117
-0.0279	-0.0328	0.0138	0.0166	-0.0065	-0.0075	-0.0447	-0.0512
0.0153	0.0178	-0.0256	-0.0318	0.0070	0.0152	0.0126	0.0145
-0.0062	-0.0056	0.0110	0.0128	0.0070	0.0053	-0.0096	-0.0106
0.0051	0.0060	-0.0227	-0.0285	0.0043	0.0100	0.0001	-0.0022

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
0.0147	0.0166	-0.0095	-0.0098	-0.0226	-0.0232	0.0038	0.0056
-0.0261	-0.0318	-0.0043	-0.0064	0.0049	-0.0169	0.0121	0.0149
0.0111	0.0128	-0.0011	0.0005	-0.0083	0.0022	0.0001	0.0010
-0.0232	-0.0285	0.0150	0.0167	0.0153	0.0181	0.0054	0.0043
-0.0092	-0.0098	-0.0182	-0.0206	0.0217	0.0398	-0.0114	-0.0151
-0.0052	-0.0064	-0.0089	-0.0102	0.0262	0.0124	0.0090	0.0116
-0.0007	0.0005	0.0068	0.0063	0.0121	0.0187	0.0361	0.0449
0.0150	0.0167	-0.0047	-0.0069	-0.0096	-0.0138	0.0060	0.0071
-0.0183	-0.0206	0.0236	0.0322	-0.0014	-0.0001	0.0037	0.0056
-0.0093	-0.0102	-0.0117	-0.0161	0.0253	0.0289	0.0147	0.0157
0.0068	0.0063	0.0208	0.0268	0.0036	0.0056	0.0132	0.0135
-0.0051	-0.0069	0.0209	0.0250	-0.0178	-0.0167	-0.0133	-0.0150
0.0246	0.0322	0.0102	0.0151	0.0073	0.0092	0.0120	0.0118
-0.0113	-0.0161	-0.0053	-0.0084	-0.0016	-0.0011	0.0003	0.0012
0.0209	0.0268	-0.0446	-0.0550	0.0132	0.0179	0.0208	0.0242
0.0213	0.0250	-0.0110	-0.0164	-0.0139	-0.0193	0.0066	0.0085
0.0107	0.0151	0.0145	-0.0038	-0.0117	-0.0142	0.0006	-0.0006
-0.0057	-0.0084	0.0011	0.0255	0.0045	0.0055	-0.0061	-0.0077
-0.0460	-0.0550	0.0132	0.0000	0.0115	0.0153	-0.0240	-0.0266
-0.0119	-0.0164	0.0099	0.0292	-0.0165	-0.0221	0.0192	0.0210
0.0159	-0.0038	0.0009	0.0074	-0.0087	-0.0107	-0.0012	-0.0001
0.0007	0.0255	-0.0241	-0.0293	-0.0004	0.0002	0.0096	0.0158
0.0128	0.0000	-0.0263	-0.0310	-0.0131	-0.0166	0.0025	0.0014
0.0108	0.0292	0.0081	0.0109	0.0003	0.0002	-0.0096	-0.0122
0.0017	0.0074	0.0073	0.0118	0.0260	0.0301	0.0001	0.0016
-0.0246	-0.0293	0.0042	0.0071	-0.0050	-0.0090	0.0014	0.0034
-0.0256	-0.0310	0.0089	0.0016	0.0015	0.0064	-0.0199	-0.0271
0.0081	0.0109	0.0086	0.0112	-0.0037	-0.0051	-0.0118	-0.0149
0.0073	0.0118	0.0122	0.0176	-0.0096	-0.0130	0.0009	-0.0002
0.0051	0.0071	0.0077	0.0092	-0.0155	-0.0181	-0.0072	-0.0088
0.0085	0.0016	-0.0016	-0.0011	-0.0117	-0.0123	0.0084	0.0310
0.0090	0.0112	0.0140	0.0179	-0.0230	-0.0261	0.0282	0.0138
0.0122	0.0176	-0.0143	-0.0193	0.0005	0.0000	0.0166	0.0225
0.0073	0.0092	-0.0121	-0.0142	-0.0104	-0.0132	-0.0034	-0.0056
-0.0016	-0.0011	0.0041	0.0055	0.0031	0.0021	-0.0111	-0.0163
0.0148	0.0179	0.0119	0.0153	0.0001	-0.0011	-0.0125	-0.0166
-0.0151	-0.0193	-0.0170	-0.0221	-0.0151	-0.0127	0.0064	0.0082
-0.0125	-0.0142	-0.0088	-0.0107	0.0208	0.0256	0.0249	0.0306
0.0045	0.0055	-0.0008	0.0002	-0.0246	-0.0274	0.0070	0.0095
0.0127	0.0153	-0.0131	-0.0166	0.0045	0.0018	-0.0045	-0.0054
-0.0182	-0.0221	0.0003	0.0002	0.0179	0.0190	-0.0131	-0.0143
-0.0088	-0.0107	0.0256	0.0301	-0.0052	-0.0058	0.0067	0.0069
-0.0012	0.0002	-0.0075	-0.0090	0.0016	0.0073	0.0011	0.0016
-0.0132	-0.0166	0.0052	0.0064	0.0058	0.0022	0.0117	0.0128
-0.0001	0.0002	-0.0041	-0.0051	0.0101	0.0153	0.0063	0.0079
0.0262	0.0301	-0.0104	-0.0130	-0.0138	-0.0165	-0.0040	-0.0065
-0.0075	-0.0090	-0.0151	-0.0181	0.0003	-0.0039	-0.0080	-0.0109
0.0056	0.0064	-0.0126	-0.0123	-0.0222	-0.0302	-0.0043	-0.0046
-0.0037	-0.0051	-0.0231	-0.0261	-0.0048	-0.0089	-0.0026	-0.0049
-0.0109	-0.0130	0.0005	0.0000	-0.0083	-0.0093	0.0201	0.0285
-0.0160	-0.0181	-0.0100	-0.0132	-0.0059	-0.0056	0.0091	0.0132
-0.0122	-0.0123	0.0027	0.0021	0.0157	0.0200	0.0004	-0.0031
-0.0236	-0.0261	-0.0004	-0.0011	-0.0067	-0.0080	0.0050	0.0131
0.0005	0.0000	-0.0151	-0.0127	0.0107	0.0146	0.0119	0.0143

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
-0.0105	-0.0132	0.0209	0.0256	-0.0048	0.0602	0.0005	-0.0081
0.0036	0.0021	-0.0239	-0.0274	-0.0035	-0.0045	0.0195	0.0255
-0.0008	-0.0011	0.0036	0.0018	0.0268	0.0282	0.0013	0.0014
-0.0152	-0.0127	0.0180	0.0190	-0.0111	-0.0082	-0.0002	-0.0015
0.0214	0.0256	-0.0053	-0.0058	0.0009	0.0038	0.0070	0.0205
-0.0239	-0.0274	0.0016	0.0073	-0.0084	-0.0060	-0.0030	-0.0016
0.0036	0.0018	0.0058	0.0022	-0.0220	-0.0332	0.0005	-0.0016
0.0181	0.0190	0.0110	0.0153	-0.0008	0.0038	0.0148	0.0177
-0.0057	-0.0058	-0.0147	-0.0165	0.0013	-0.0176	0.0013	0.0020
0.0016	0.0073	0.0003	-0.0039	-0.0200	-0.0129	-0.0112	-0.0143
0.0067	0.0022	-0.0228	-0.0302	0.0111	0.0158	0.0137	0.0175
0.0106	0.0153	-0.0048	-0.0089	0.0021	0.0014	0.0205	0.0231
-0.0148	-0.0165	-0.0088	-0.0093	-0.0096	-0.0122	-0.0007	0.0007
0.0003	-0.0039	-0.0055	-0.0056	0.0001	0.0016	0.0025	0.0001
-0.0242	-0.0302	0.0167	0.0200	0.0019	0.0034	-0.0058	-0.0058
-0.0053	-0.0089	-0.0071	-0.0080	-0.0209	-0.0271	-0.0038	-0.0037
-0.0075	-0.0093	0.0112	0.0146	-0.0128	-0.0149	-0.0191	-0.0270
-0.0055	-0.0056	-0.0052	0.0602	0.0005	-0.0002	-0.0204	-0.0199
0.0168	0.0200	-0.0031	-0.0045	-0.0077	-0.0088	0.0113	0.0128
-0.0063	-0.0080	0.0273	0.0282	0.0089	0.0310	0.0113	0.0150
0.0135	0.0146	-0.0116	-0.0082	0.0288	0.0138	-0.0031	-0.0043
-0.0043	0.0602	0.0014	0.0038	0.0172	0.0225	-0.0203	-0.0238
-0.0054	-0.0045	-0.0089	-0.0060	-0.0034	-0.0056	0.0028	0.0028
0.0283	0.0282	-0.0221	-0.0332	-0.0126	-0.0163	0.0005	0.0011
-0.0120	-0.0082	-0.0008	0.0038	-0.0116	-0.0166	0.0070	0.0091
0.0041	0.0038	0.0013	-0.0176	0.0060	0.0082	-0.0141	-0.0175
-0.0075	-0.0060	-0.0219	-0.0129	0.0251	0.0306	-0.0131	-0.0171
-0.0234	-0.0332	0.0126	0.0158	0.0074	0.0095	0.0003	0.0018
0.0024	0.0038	0.0021	0.0014	-0.0041	-0.0054	-0.0172	-0.0216
-0.0152	-0.0176	-0.0106	-0.0122	-0.0127	-0.0143	0.0025	0.0027
-0.0017	-0.0022	0.0005	0.0016	0.0063	0.0069	0.0003	-0.0003
0.0099	0.0106	0.0033	0.0034	0.0007	0.0016	-0.0084	-0.0100
0.0244	0.0289	-0.0220	-0.0271	0.0123	0.0128	0.0218	0.0293
-0.0099	-0.0124	-0.0139	-0.0149	0.0068	0.0079	0.0148	0.0197
-0.0132	-0.0162	0.0009	-0.0002	-0.0040	-0.0065	0.0368	0.0396
0.0049	0.0076	-0.0077	-0.0088	-0.0089	-0.0109	0.0020	0.0021
-0.0018	-0.0034	0.0090	0.0310	-0.0048	-0.0046	0.0013	-0.0005
0.0301	0.0334	0.0295	0.0138	-0.0026	-0.0049	0.0019	0.0011
-0.0002	0.0028	0.0172	0.0225	0.0216	0.0285	0.0082	0.0117
-0.0040	-0.0068	-0.0039	-0.0056	0.0091	0.0132	-0.0296	-0.0318
0.0300	0.0368	-0.0140	-0.0163	0.0004	-0.0031	-0.0380	-0.0285
0.0058	-0.0428	-0.0127	-0.0166	0.0073	0.0131	-0.0020	-0.0009
0.0190	0.0792	0.0065	0.0082	0.0102	0.0143	0.0045	0.0018
0.0060	0.0083	0.0262	0.0306	0.0001	-0.0081	-0.0266	0.0033
0.0066	0.0072	0.0075	0.0095	0.0209	0.0255	-0.0023	-0.0029
0.0119	0.0094	-0.0041	-0.0054	0.0009	0.0014	-0.0019	0.0017
0.0016	0.0006	-0.0137	-0.0143	0.0007	-0.0015	0.0070	-0.0009
-0.0057	-0.0063	0.0068	0.0069	0.0066	0.0205	0.0009	-0.0002
-0.0056	-0.0065	0.0011	0.0016	-0.0026	-0.0016	-0.0079	-0.0008
-0.0205	-0.0260	0.0114	0.0128	-0.0004	-0.0016	0.0077	-0.0428
0.1132	0.1302	0.0064	0.0079	0.0149	0.0177	-0.0018	-0.0022
0.0255	0.0131	-0.0049	-0.0065	0.0017	0.0020	0.0095	0.0106
0.0108	0.0246	-0.0095	-0.0109	-0.0121	-0.0143	0.0241	0.0289
-0.0227	-0.0257	-0.0044	-0.0046	0.0141	0.0175	-0.0104	-0.0124

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
-0.0027	0.0068	-0.0041	-0.0049	0.0214	0.0231	-0.0134	-0.0162
0.0105	0.0046	0.0219	0.0285	-0.0007	0.0007	0.0063	0.0076
0.0139	0.0039	0.0124	0.0132	0.0008	0.0001	-0.0032	-0.0034
-0.0094	0.0000	-0.0009	-0.0031	-0.0058	-0.0058	0.0303	0.0334
0.0169	0.0206	0.0100	0.0131	-0.0030	-0.0037	0.0012	0.0028
-0.0089	-0.0100	0.0120	0.0143	-0.0192	-0.0270	-0.0050	-0.0068
-0.0113	-0.0204	-0.0075	-0.0081	-0.0205	-0.0199	0.0316	0.0368
0.0080	0.0056	0.0220	0.0255	0.0113	0.0128	0.0063	-0.0428
-0.0020	0.0013	0.0441	0.0014	0.0126	0.0150	0.0222	0.0792
0.0321	0.0314	-0.0420	-0.0015	-0.0036	-0.0043	0.0060	0.0083
0.0330	0.0495	0.0142	-0.0115	-0.0208	-0.0238	0.0066	0.0072
-0.0025	-0.0024	0.0102	0.0081	0.0028	0.0028	0.0106	0.0094
0.0028	-0.0052	0.0107	0.0137	0.0009	0.0011	0.0012	0.0006
0.0153	0.0305	-0.0063	-0.0075	0.0079	0.0091	-0.0058	-0.0063
0.0008	0.0054	0.0056	0.0034	-0.0146	-0.0175	-0.0052	-0.0065
0.0127	0.0003	0.0027	0.0090	-0.0144	-0.0171	-0.0193	-0.0260
0.0197	0.0251	-0.0004	-0.0136	0.0003	0.0018	0.0000	0.0037
-0.0054	-0.0061	0.0091	0.0086	-0.0173	-0.0216	0.0051	0.0067
-0.0138	-0.0147	-0.0044	0.0039	0.0025	0.0027	0.0018	0.0015
0.0090	0.0097	-0.0079	0.0066	-0.0006	-0.0003	0.0709	0.0829
0.0003	-0.0024	0.0188	0.0005	-0.0080	-0.0100	0.0041	0.0052
0.0026	0.0096	0.0073	0.0089	0.0246	0.0293	-0.0180	-0.0207
-0.0021	-0.0002	-0.0154	-0.0112	0.0157	0.0197	0.0172	0.0156
-0.0135	-0.0130	-0.0036	-0.0111	0.0364	0.0396	-0.0048	-0.0024
0.0160	0.0072	0.0168	0.0202	0.0012	0.0021	0.0016	-0.0011
0.0199	0.0259	-0.0171	-0.0190	-0.0004	-0.0005	0.0106	0.0098
-0.0061	-0.0013	0.0084	0.0109	0.0014	0.0011	-0.0016	0.0023
-0.0001	-0.0048	-0.0041	-0.0058	0.0095	0.0117	-0.0126	-0.0116
-0.0006	-0.0037	0.0174	0.0181	-0.0280	-0.0318	-0.0223	-0.0272
-0.0171	-0.0756	-0.0053	-0.0034	-0.0237	-0.0285	-0.0025	-0.0042
0.0099	0.0096	0.0014	0.0008	0.0003	-0.0009	0.0034	0.0039
0.0309	0.0398	0.0031	0.0017	0.0018	0.0018	0.0030	-0.0014
0.0074	0.0083	0.0035	0.0029	0.0000	0.0033	-0.0084	0.0001
-0.0088	-0.0062	0.0080	0.0132	0.0005	-0.0029	-0.0036	-0.0072
-0.0010	0.0053	0.0069	0.0116	-0.0010	0.0017	-0.0118	-0.0142
0.0213	-0.0009	-0.0015	-0.0070	0.0005	-0.0009	0.0020	-0.0006
-0.0188	-0.0024	-0.0040	-0.0066	0.0000	-0.0002	0.0045	0.0111
0.0077	0.0046	-0.0023	0.0016	0.0000	-0.0008	0.0027	-0.0056
-0.0152	-0.0153	-0.0290	-0.0366	0.0042	0.0094	0.0103	0.0131
-0.0013	0.0028	-0.0019	0.0031	-0.0088	-0.0011	0.0143	0.0207
0.0119	0.0090	-0.0264	-0.0325	-0.0042	-0.0162	0.0091	0.0057
-0.0280	-0.0220	0.0243	0.0281	0.0074	0.0181	0.0106	0.0116
-0.0220	-0.0230	-0.0072	-0.0112	-0.0162	-0.0153	0.0042	0.0144
0.0139	0.0004	0.0035	0.0008	0.0048	-0.0062	0.0072	0.0017
-0.0055	-0.0072	0.0056	0.0137	-0.0148	-0.0134	0.0065	0.0054
-0.0024	-0.0032	-0.0086	-0.0122	0.0063	0.0082	0.0153	0.0206
0.0099	0.0070	0.0011	-0.0004	0.0030	0.0090	0.0023	0.0049
0.0121	0.0182	0.0180	0.0196	-0.0071	-0.0046	0.0097	0.0007
-0.0077	-0.0082	0.0016	0.0016	-0.0066	-0.0172	0.0013	0.0121
0.0359	0.0395	-0.0005	0.0029	0.0005	0.0125	-0.0017	-0.0028
-0.0023	-0.0047	-0.0172	-0.0236	0.0036	-0.0045	-0.0076	-0.0076
-0.0165	-0.0216	0.0019	0.0010	0.0097	0.0127	0.0033	0.0006
0.0049	-0.0055	-0.0075	-0.0068	-0.0226	-0.0266	0.0016	0.0034
-0.0235	-0.0191	0.0095	0.0303	0.0175	0.0264	0.0036	0.0130

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
0.0092	0.0154	0.0353	0.0199	-0.0098	-0.0183	0.0006	-0.0023
0.0109	0.0093	0.0048	0.0021	0.0151	0.0154	0.0023	0.0031
0.0124	0.0074	0.0309	0.0459	-0.0058	-0.0033	0.0073	0.0056
0.0198	0.0686	0.0041	-0.0029	-0.3191	0.0125	0.0087	0.0097
0.0153	-0.0115	0.0069	0.0113	0.4637	-0.0171	-0.0014	-0.0052
0.0106	0.0081	-0.0128	-0.0206	-0.0097	-0.0106	0.0025	0.0043
0.0092	0.0137	0.0018	0.0017	-0.0043	-0.0089	-0.0010	-0.0062
-0.0063	-0.0075	0.0000	0.0022	0.0056	0.0080	-0.0092	-0.0078
0.0063	0.0034	0.0134	0.0135	0.0080	0.0081	-0.0036	-0.0114
0.0027	0.0090	-0.0060	-0.0040	-0.0096	-0.0061	0.0090	0.0147
-0.0018	-0.0136	-0.0053	-0.0029	-0.0045	-0.0116	-0.0134	-0.0046
0.0098	0.0086	0.0054	0.0067	-0.0048	-0.0018	0.0149	0.0191
-0.0044	0.0039	-0.0168	-0.0201	-0.0056	-0.0095	-0.0026	-0.0172
-0.0083	0.0066	-0.0004	0.0003	-0.0001	0.0000	0.0021	0.0018
0.0188	0.0005	0.0042	0.0094	0.0150	0.0167	0.0000	0.0085
0.0066	0.0089	-0.0082	-0.0011	-0.0048	-0.0003	-0.0073	-0.0103
-0.0157	-0.0112	-0.0049	-0.0162	0.0237	0.0231	-0.0145	-0.0084
-0.0054	-0.0111	0.0081	0.0181	-0.0091	-0.0061	-0.0086	-0.0103
0.0186	0.0202	-0.0165	-0.0153	0.0078	0.0060	-0.0082	-0.0168
-0.0175	-0.0190	0.0044	-0.0062	-0.0019	-0.0039	-0.0011	0.0045
0.0084	0.0109	-0.0148	-0.0134	-0.0046	-0.0104	0.0095	0.0033
-0.0038	-0.0058	0.0059	0.0082	-0.0036	-0.0018	0.0040	0.0045
0.0196	0.0181	0.0030	0.0090	0.0211	0.0278	0.0040	0.0167
-0.0057	-0.0034	-0.0067	-0.0046	-0.0021	-0.0011	-0.0203	-0.0236
0.0014	0.0008	-0.0059	-0.0172	0.3429	0.0098	0.0020	-0.0044
0.0024	0.0017	0.0002	0.0125	-0.2492	0.0023	0.0180	0.0129
0.0031	0.0029	0.0036	-0.0045	-0.0127	-0.0116	-0.0081	-0.0018
0.0080	0.0132	0.0100	0.0127	-0.0227	-0.0272	0.0232	0.0225
0.0084	0.0116	-0.0236	-0.0266	-0.0021	-0.0042	0.0049	0.0099
-0.0033	-0.0070	0.0179	0.0264	0.0034	0.0039	0.0184	0.0167
-0.0040	-0.0066	-0.0101	-0.0183	0.0026	-0.0014	-0.0089	-0.0054
-0.0034	0.0016	0.0152	0.0154	-0.0085	0.0001	0.0045	0.0027
-0.0294	-0.0366	-0.0058	-0.0033	-0.0043	-0.0072	0.0114	0.0086
-0.0019	0.0031	0.0153	0.0125	-0.0111	-0.0142	0.0025	0.0094
-0.0261	-0.0325	-0.0188	-0.0171	0.0017	-0.0006	-0.0104	-0.0094
0.0247	0.0281	-0.0094	-0.0106	0.0046	0.0111	-0.0004	-0.0064
-0.0072	-0.0112	-0.0047	-0.0089	0.0031	-0.0056	0.0003	0.0005
0.0028	0.0008	0.0046	0.0080	0.0106	0.0131	-0.0025	-0.0015
0.0056	0.0137	0.0080	0.0081	0.0151	0.0207	-0.0010	0.0000
-0.0083	-0.0122	-0.0103	-0.0061	0.0060	0.0057	-0.0208	-0.0209
0.0012	-0.0004	-0.0042	-0.0116	0.0137	0.0116	0.0057	0.0019
0.0177	0.0196	-0.0058	-0.0018	0.0042	0.0144	0.0041	0.0084
0.0012	0.0016	-0.0063	-0.0095	0.0075	0.0017	0.0324	0.0326
-0.0005	0.0029	-0.0004	0.0000	0.0088	0.0054	0.0125	0.0191
-0.0176	-0.0236	0.0158	0.0167	0.0160	0.0206	-0.0007	-0.0003
0.0019	0.0010	-0.0038	-0.0003	0.0010	0.0049	0.0062	0.0045
-0.0072	-0.0068	0.0235	0.0231	0.0093	0.0007	-0.0188	-0.0185
0.0088	0.0303	-0.0085	-0.0061	0.0029	0.0121	0.0045	-0.0029
0.0361	0.0199	0.0081	0.0060	-0.0004	-0.0028	0.0206	0.0308
0.0045	0.0021	-0.0036	-0.0039	-0.0092	-0.0076	0.0009	-0.0074
0.0314	0.0459	-0.0090	-0.0104	0.0023	0.0006	0.0018	0.0079
0.0035	-0.0029	-0.0013	-0.0018	0.0032	0.0034	0.0072	0.0062
0.0062	0.0113	0.0055	0.0089	0.0088	0.0130	0.0238	0.0305
-0.0135	-0.0206	-0.0059	-0.0095	0.0009	-0.0023	0.0067	0.0106

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
0.0018	0.0017	0.0119	0.0137	0.0023	0.0031	0.0129	0.0115
-0.0014	0.0022	-0.0036	-0.0024	0.0076	0.0056	0.0179	0.0186
0.0135	0.0135	-0.0026	-0.0061	0.0087	0.0097	0.0003	0.0077
-0.0064	-0.0040	0.0163	0.0216	-0.0052	-0.0052	0.0061	-0.0011
-0.0032	-0.0029	-0.0127	-0.0173	0.0031	0.0043	-0.0098	-0.0068
-0.0003	0.0067	0.0161	0.0207	0.0013	0.0012	0.0145	0.0127
-0.0166	-0.0201	0.0022	0.0014	0.0092	0.0080	-0.0014	0.0002
0.0042	0.0060	-0.0042	-0.0057	0.0082	0.0164	0.0018	0.0004
-0.0146	-0.0173	0.0174	0.0224	0.0038	-0.0013	-0.0009	0.0017
0.0057	0.0086	-0.0102	-0.0131	0.0124	0.0126	-0.0017	-0.0076
-0.0081	-0.0144	-0.0021	-0.0010	0.0032	0.0077	-0.0049	-0.0053
0.0015	0.0030	0.0033	0.0034	-0.0198	-0.0238	-0.0104	-0.0106
0.0077	0.0089	0.0120	0.0146	0.0126	0.0086	0.0100	0.0074
-0.0042	-0.0017	0.0019	0.0048	0.0147	0.0236	0.0095	0.0083
-0.0006	-0.0039	0.0158	0.0184	-0.0031	-0.0062	-0.0030	-0.0001
0.0038	0.0090	-0.0052	-0.0073	0.0067	0.0061	0.0024	0.2944
0.0010	-0.0002	-0.0161	-0.0233	-0.0047	-0.0011	0.0045	-0.2227
0.0027	0.0020	0.0196	0.0146	-0.0041	-0.0072	-0.0060	-0.0090
-0.0173	-0.0185	0.0035	0.0305	-0.0115	-0.0146	0.0086	0.0049
-0.0052	-0.0086	0.0122	0.0022	-0.3087	-0.0034	-0.0090	-0.0105
-0.0056	-0.0042	-0.0075	-0.0118	0.4462	-0.0002	0.0134	0.0181
-0.0118	-0.0149	0.0086	0.0143	-0.0192	-0.0219	0.0182	0.0242
-0.0014	0.0012	0.0000	0.0006	-0.0040	-0.0057	0.0127	0.0121
0.0035	-0.0073	0.0043	0.0040	-0.0035	-0.0046	-0.0087	-0.0020
-0.0051	0.0010	-0.0047	-0.0067	-0.0152	-0.0131	0.0231	0.0183
-0.0116	-0.0130	-0.0105	-0.0123	-0.0002	-0.0046	-0.0107	-0.0107
0.0178	0.0131	0.0075	0.0091	-0.0213	-0.0241	0.0023	0.0071
0.0031	0.0039	-0.0012	0.0034	-0.0091	-0.0129	-0.0055	-0.0130
0.0034	0.0053	-0.0082	-0.0212	0.0198	0.0280	0.0114	0.0141
0.0116	0.0222	0.0134	0.0160	-0.0198	-0.0177	-0.0056	-0.0037
0.0229	0.0291	0.0079	0.0122	0.0161	0.0078	0.0192	0.0200
0.0192	0.0226	-0.0074	-0.0106	0.0036	0.0067	0.0018	0.0013
0.0192	0.0252	-0.0018	0.0039	-0.0051	-0.0061	-0.0191	-0.0211
-0.0081	-0.0114	0.0212	0.0217	-0.0047	-0.0050	0.0030	0.0029
0.0206	0.0228	-0.0107	-0.0125	-0.0171	-0.0208	0.0023	0.0026
-0.0051	-0.5819	0.0099	0.0132	-0.0014	-0.0014	0.0022	0.0028
0.0046	1.3778	0.0012	-0.0034	0.0113	0.0177	-0.0047	-0.0064
0.0012	0.0076	-0.0025	0.0034	0.0068	0.0039	-0.0072	-0.0072
-0.0062	-0.0057	-0.0022	-0.0076	0.0136	0.0164	-0.0016	-0.0010
-0.0341	-0.0478	-0.0084	-0.0119	-0.0094	-0.0046	0.0078	-0.0524
-0.0205	-0.0286	-0.0027	0.0037	0.0038	0.0069	0.0066	0.0091
-0.0087	-0.0069	-0.0133	-0.0146	-0.0030	-0.0110	0.0032	0.0015
0.0018	0.0005	-0.0224	-0.0368	0.0097	0.0089	0.0204	0.0231
-0.0091	-0.0090	-0.0194	-0.0211	0.0000	-0.0007	-0.0076	-0.0086
0.0085	0.0085	-0.0124	-0.0131	0.0098	0.0199	-0.0144	-0.0182
0.0280	0.0368	-0.0081	-0.0094	-0.0122	-0.0230	-0.0093	-0.0085
-0.0279	-0.0357	0.0026	0.0030	0.0180	0.0236	-0.0175	-0.0207
0.0149	-0.0045	-0.0034	-0.0105	-0.0084	-0.0107	0.0040	0.0048
0.0158	0.0406	-0.0006	-0.0037	-0.0178	-0.0196	0.0030	0.0027
-0.0115	0.0012	0.0021	0.0090	-0.0048	-0.0013	0.0049	0.0064
-0.0061	-0.0148	-0.0102	-0.0135	0.0068	0.0019	0.0057	0.0024
-0.0097	-0.0158	0.0081	0.0055	0.0044	0.0084	-0.0058	-0.0034
-0.0025	-0.0009	0.0098	0.0178	0.0344	0.0326	-0.0145	-0.0151
0.0043	0.0018	0.0077	0.0049	0.0128	0.0191	0.0018	0.0013

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
0.0028	0.0051	0.0124	0.0188	-0.0024	-0.0003	-0.0122	-0.0154
-0.0162	-0.0273	0.0322	0.0354	0.0076	0.0045	-0.0203	-0.0227
-0.0211	-0.0205	0.0041	0.0028	-0.0204	-0.0185	0.0171	0.0188
-0.0222	-0.0176	0.0117	0.0139	0.0045	-0.0029	-0.0001	-0.0041
0.0079	0.0056	0.0117	0.0283	0.0227	0.0308	0.0093	0.0111
0.0015	-0.0033	0.0014	-0.0114	0.0002	-0.0074	-0.0181	-0.0183
-0.0138	-0.0164	0.0013	0.0012	0.0021	0.0079	0.0054	0.0038
-0.0128	-0.0130	0.0095	0.0080	0.0076	0.0062	-0.3305	0.0011
0.0008	-0.0047	0.0089	0.0164	0.0240	0.0305	0.4948	-0.0005
0.0124	0.0167	0.0031	-0.0013	0.0057	0.0106	0.0020	0.0010
0.0082	0.0044	0.0123	0.0126	0.0132	0.0115	0.0052	0.0041
0.0081	0.0134	0.0035	0.0077	0.0181	0.0186	0.0075	0.0074
-0.0175	-0.0282	-0.0220	-0.0238	0.0006	0.0077	0.0013	0.0049
-0.0154	-0.0201	0.0143	0.0086	0.0061	-0.0011	0.0041	0.0025
-0.0090	-0.0015	0.0153	0.0236	-0.0098	-0.0068	-0.0099	-0.0065
0.0066	0.0089	-0.0037	-0.0062	0.0141	0.0127	-0.0107	-0.0144
-0.0069	-0.0095	0.0067	0.0061	-0.0008	0.0002	-0.0475	-0.0600
0.0115	0.0137	-0.0044	-0.0011	0.0018	0.0004	0.0333	0.0474
-0.0043	-0.0024	-0.0044	-0.0072	-0.0016	0.0017	0.0201	0.0167
-0.0022	-0.0061	-0.0117	-0.0146	-0.0036	-0.0076	0.0120	0.0131
0.0166	0.0216	-0.0006	-0.0034	-0.0049	-0.0053	0.0048	0.0079
-0.0138	-0.0173	0.0004	-0.0002	-0.0107	-0.0106	0.0086	0.0053
0.0168	0.0207	-0.0205	-0.0219	0.0086	0.0074	0.0154	0.0228
0.0022	0.0014	-0.0050	-0.0057	0.0088	0.0083	0.0040	0.0028
-0.0042	-0.0057	-0.0035	-0.0046	-0.0037	-0.0001	0.0135	0.0127
0.0184	0.0224	-0.0152	-0.0131	0.0082	0.2944	-0.0071	-0.0051
-0.0105	-0.0131	-0.0009	-0.0046	-0.0058	-0.2227	0.0130	0.0145
-0.0017	-0.0010	-0.0209	-0.0241	-0.0021	-0.0090	-0.0039	-0.0079
0.0037	0.0034	-0.0095	-0.0129	0.0074	0.0049	-0.0002	0.0021
0.0130	0.0146	0.0201	0.0280	-0.0100	-0.0105	-0.0374	-0.0439
0.0030	0.0048	-0.0205	-0.0177	0.0151	0.0181	0.0014	0.0056
0.0175	0.0184	0.0158	0.0078	0.0227	0.0242	0.0085	0.0035
-0.0055	-0.0073	0.0036	0.0067	0.0095	0.0121	-0.0106	-0.0094
-0.0183	-0.0233	-0.0058	-0.0061	-0.0047	-0.0020	-0.0148	-0.0178
0.0203	0.0146	-0.0050	-0.0050	0.0020	0.0183	-0.0187	-0.0190
0.0042	0.0305	-0.0179	-0.0208	0.0012	0.0050	-0.0138	-0.0193
0.0125	0.0022	-0.0010	-0.0014	0.0133	0.0172	-0.0028	-0.0080
-0.0072	-0.0118	0.0150	0.0177	0.0054	0.0037	0.0236	0.0240
0.0109	0.0143	0.0039	0.0039	-0.0063	-0.0093	-0.0091	-0.0072
0.0014	0.0006	0.0136	0.0164	-0.0650	-0.0708	0.0047	0.0101
0.0029	0.0040	-0.0077	-0.0046	0.0034	0.0043	0.0242	0.0186
-0.0053	-0.0067	0.0035	0.0069	0.0032	-0.0043	-0.0046	0.0024
-0.0101	-0.0123	-0.0040	-0.0110	0.0078	0.0161	-0.0136	-0.0154
0.0078	0.0091	0.0108	0.0089	0.0063	0.0065	-0.0042	-0.0061
-0.0023	0.0034	-0.0032	-0.0007	-0.1146	-0.1380	0.0352	0.0404
-0.0084	-0.0212	0.0112	0.0199	-0.0297	-0.0343	0.0011	-0.0019
0.0127	0.0160	-0.0143	-0.0230	0.0034	0.0090	0.0113	0.0249
0.0082	0.0122	0.0183	0.0236	0.0148	-0.0019	0.0014	-0.0031
-0.0080	-0.0106	-0.0233	-0.0301	0.0132	0.0052	-0.0005	-0.0020
-0.0012	0.0039	-0.0121	-0.0117	-0.0247	0.0057	-0.0244	-0.0195
0.0231	0.0217	0.0092	0.0104	0.0047	0.0042	-0.0005	0.0044
-0.0103	-0.0125	-0.0005	0.0065	0.0029	0.0077	0.0062	-0.0007
0.0088	0.0132	0.0145	0.0092	0.0137	0.0138	0.0062	0.0085
0.0002	-0.0034	0.0020	0.0024	0.0038	0.0059	0.0031	0.0070

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
-0.0039	0.0034	0.0110	0.0098	-0.0192	-0.0235	0.0002	0.0094
-0.0196	-0.0076	-0.0048	-0.0074	0.0215	0.0247	0.0098	-0.0007
0.0076	-0.0119	-0.0102	-0.0097	-0.0122	-0.0125	-0.0010	0.0087
-0.0027	0.0037	-0.0192	-0.0258	0.0013	0.0018	0.0035	0.0002
-0.0140	-0.0146	-0.0200	-0.0246	-0.0059	-0.0061	-0.0311	-0.0343
-0.0244	-0.0368	-0.0044	0.0004	0.0148	0.0118	0.0263	0.0185
-0.0191	-0.0211	-0.0133	-0.0108	0.0054	0.0084	0.0090	0.0094
-0.0135	-0.0131	-0.0178	-0.0163	-0.0021	0.0062	0.0012	0.0012
-0.0092	-0.0094	-0.0295	-0.0220	0.0131	0.0105	0.0182	0.0125
0.0030	0.0030	-0.0011	-0.0230	0.0002	-0.0051	-0.0597	-0.0437
-0.0037	-0.0105	-0.0376	-0.0278	0.0156	0.0123	-0.0178	-0.0315
-0.0028	-0.0037	-0.0047	-0.0082	-0.0026	-0.0042	0.0055	0.0009
0.0040	0.0090	0.0250	0.0162	-0.0172	-0.0051	0.0132	0.0118
-0.0102	-0.0135	-0.0037	-0.0070	0.0261	0.0195	-0.0288	-0.0275
0.0048	0.0055	0.0144	0.0245	0.0023	0.0093	-0.0011	-0.0003
0.0129	0.0178	0.0203	0.0237	-0.0104	-0.0158	0.0461	0.0524
0.0055	0.0049	0.0138	0.0165	-0.0116	-0.0144	0.0023	0.0005
0.0143	0.0188	-0.0193	-0.0240	-0.0168	-0.0211	0.0083	0.0101
0.0352	0.0354	-0.0032	-0.0131	0.0090	0.0051	0.0051	0.0049
0.0020	0.0028	0.0195	0.0313	0.0049	0.0061	-0.0294	-0.0314
0.0117	0.0139	0.0557	0.0672	-0.0090	-0.0003	0.0066	0.0055
0.0260	0.0283	0.0053	0.0032	0.0004	-0.0047	-0.0265	-0.0313
0.0074	-0.0072	0.0023	0.0018	-0.0162	-0.0150	-0.0106	-0.0095
-0.0005	0.0294	-0.0102	-0.0084	-0.0222	-0.0311	-0.0219	-0.0275
0.0150	0.0189	0.0012	0.0087	0.0005	0.0014	-0.0031	-0.0039
-0.0040	-0.0064	0.0023	-0.0061	0.0048	0.0049	-0.0090	-0.0117
-0.0022	0.0002	-0.0195	-0.0190	0.0011	0.0052	-0.0031	-0.0028
0.0224	0.0239	0.0088	0.0073	-0.0150	-0.0220	-0.0009	0.0012
0.0023	0.0036	-0.0069	-0.0072	0.0065	0.0063	-0.0026	-0.0043
0.0155	0.0158	0.0038	0.0010	0.0121	0.0129	-0.0074	-0.0072
0.0197	0.0233	0.0058	0.0088	0.0142	0.0083	0.0342	0.0372
0.0020	0.0009	0.0055	0.0076	-0.0017	0.0053	-0.0082	-0.0092
-0.0052	-0.0065	-0.0001	-0.0044	0.0113	0.0084	0.0345	0.0407
0.0144	0.0147	0.0018	0.0050	-0.0003	0.0162	-0.0014	-0.0018
-0.0117	-0.0117	0.0136	0.0172	0.0160	0.0167	0.0101	0.0130
0.0095	0.0104	0.0022	0.0016	0.0120	0.0131	0.0035	0.0030
-0.0005	0.0065	0.0102	0.0102	0.0048	0.0079	-0.0196	-0.0216
0.0148	0.0092	-0.0085	-0.0081	0.0086	0.0053	0.0151	0.0163
0.0026	0.0024	-0.0065	-0.0093	0.0154	0.0228	-0.0057	-0.0063
0.0113	0.0098	0.0111	0.0120	0.0040	0.0028	-0.0036	-0.0034
-0.0008	-0.0020	0.0048	0.0066	0.0135	0.0127	0.0111	0.0125
-0.0049	-0.0055	-0.0095	-0.0135	-0.0071	-0.0051	0.0098	0.0107
-0.0108	-0.0097	-0.0185	-0.0175	0.0130	0.0145	0.0031	0.0004
-0.0195	-0.0258	-0.0175	-0.0129	-0.0039	-0.0079		
-0.0200	-0.0246	-0.0110	-0.0118	-0.0002	0.0021		
-0.0041	0.0004	-0.0107	-0.0230	-0.0374	-0.0439		
-0.0136	-0.0108	-0.0150	-0.0127	0.0014	0.0056		
-0.0178	-0.0163	0.0040	0.0043	0.0085	0.0035		
-0.0298	-0.0220	0.0029	-0.0043	-0.0106	-0.0094		
-0.0008	-0.0230	0.0074	0.0161	-0.0148	-0.0178		
-0.0376	-0.0278	0.0060	0.0065	-0.0187	-0.0190		
-0.0040	-0.0082	0.0036	0.0011	-0.0138	-0.0193		
0.0243	0.0162	-0.0296	-0.0286	-0.0028	-0.0080		
-0.0031	-0.0070	-0.0142	-0.0286	0.0236	0.0240		

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
0.0115	0.0245	-0.0266	-0.0235	-0.0091	-0.0072		
0.0229	0.0237	-0.0064	-0.0121	0.0047	0.0101		
0.0141	0.0165	0.0131	0.0255	0.0242	0.0186		
-0.0196	-0.0240	-0.0341	-0.0508	-0.0046	0.0024		
-0.0039	-0.0131	-0.0196	-0.0149	-0.0136	-0.0154		
-0.0034	0.0057	0.0172	0.0142	-0.0042	-0.0061		
0.0136	0.0167	-0.0132	-0.0134	0.0352	0.0404		
-0.0032	0.0086	0.0192	0.0228	0.0011	-0.0019		
0.0183	0.0028	-0.0038	-0.0007	0.0180	0.0249		
0.0029	0.0043	0.0148	0.0097	-0.0052	-0.0031		
0.0109	0.0188	-0.0457	-0.0487	-0.0005	-0.0020		
0.0015	0.0061	0.0120	0.0168	-0.0241	-0.0195		
0.0018	0.0191	0.0072	0.0048	0.0024	0.0044		
-0.0165	-0.0384	-0.0155	-0.0172	0.0078	-0.0007		
0.0076	0.0059	0.0023	0.0017	0.0081	0.0085		
-0.0009	0.0009	-0.0225	-0.0255	0.0034	0.0070		
-0.0120	-0.0148	0.0021	0.0083	0.0047	0.0094		
0.0191	0.0178	-0.0206	-0.0230	0.0104	-0.0007		
0.0104	0.0135	0.0414	-0.0027	-0.0001	0.0087		
0.0091	0.0050	-0.0308	0.0070	0.0044	0.0002		
0.0151	0.0259	0.0179	0.0250	-0.0341	-0.0343		
0.0056	0.0032	-0.0262	-0.0306	-0.0116	-0.0034		
0.0020	0.0018	0.0342	0.0425				
-0.0105	-0.0084	-0.0143	-0.0195				
0.0018	0.0087	-0.0017	-0.0174				
0.0023	-0.0061	-0.0169	-0.0168				
-0.0195	-0.0190	0.0177	0.0261				
0.0082	0.0073	0.0019	-0.0106				
-0.0072	-0.0072	-0.0058	0.0128				
0.0038	0.0010	0.0151	-0.0019				
0.0058	0.0088	0.0132	0.0052				
0.0049	0.0076	-0.0251	0.0057				
0.0005	-0.0044	0.0068	0.0042				
0.0021	0.0050	0.0025	0.0077				
0.0151	0.0172	0.0137	0.0138				
0.0019	0.0016	0.0031	0.0059				
0.0101	0.0102	-0.0199	-0.0235				
-0.0135	-0.0081	0.0215	0.0247				
-0.0026	-0.0093	-0.0119	-0.0125				
0.0027	0.0120	0.0010	0.0018				
0.0159	0.0066	-0.0062	-0.0061				
-0.0115	-0.0135	0.0155	0.0118				
-0.0185	-0.0175	0.0047	0.0084				
-0.0178	-0.0129	-0.0014	0.0062				
-0.0107	-0.0118	0.0130	0.0105				
-0.0110	-0.0230	-0.0008	-0.0051				
-0.0153	-0.0127	0.0153	0.0123				
0.0046	0.0043	-0.0023	-0.0042				
0.0019	-0.0043	-0.0172	-0.0051				
0.0081	0.0161	0.0268	0.0195				
0.0060	0.0065	0.0020	0.0093				
0.0036	0.0011	-0.0114	-0.0158				
-0.0308	-0.0286	-0.0122	-0.0144				
-0.0148	-0.0286	-0.0182	-0.0211				

Maret		Mei		Juli		Desember	
Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao	Return Futures Kakao	Return Spot Kakao
-0.0269	-0.0235	0.0083	0.0051				
-0.0064	-0.0121	0.0050	0.0061				
0.0148	0.0255	-0.0097	-0.0003				
-0.0357	-0.0508	0.0008	-0.0047				
-0.0203	-0.0149	-0.0156	-0.0150				
0.0172	0.0142	-0.0229	-0.0311				
-0.0132	-0.0134	0.0005	0.0014				
0.0196	0.0228	0.0041	0.0049				
-0.0038	-0.0007	0.0015	0.0052				
0.0158	0.0097	-0.0185	-0.0220				
-0.0457	-0.0487	0.0066	0.0063				
0.0116	0.0168	0.0108	0.0129				
0.0076	0.0048	0.0125	0.0083				
-0.0165	-0.0172	-0.0035	0.0053				
0.0020	0.0017	0.0118	0.0084				
-0.0233	-0.0255						
0.0025	0.0083						
-0.0206	-0.0230						
0.0426	-0.0027						
-0.0319	0.0070						
0.0180	0.0250						
-0.0266	-0.0306						
0.0325	0.0425						
-0.0177	-0.0195						
-0.0042	-0.0174						
-0.0189	-0.0168						
0.0133	0.0261						
0.0019	-0.0106						
0.0082	0.0128						
-0.0011	-0.0019						
0.0000	0.0052						

Sumber: Output Ms. Excel 2016

Lampiran 16
Return Kakao Spot dan Return Kopi Robusta Futures 2012-2016
Bulan Kontrak: Januari, Maret, Mei, Juli, September, November

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
0.0061	0.0188	0.0061	0.0188	0.0061	0.0188	-0.0084	-0.0179	-0.0084	0.0116	0.0062	0.0142
0.0204	0.0056	0.0066	0.0056	0.0054	0.0056	0.0009	0.0041	0.1331	0.0918	-0.0089	0.0535
-0.0044	-0.0245	-0.0071	-0.0245	-0.0060	-0.0245	0.0147	-0.0138	-0.0037	-0.0700	-0.0004	0.0120
-0.0244	-0.0276	-0.0237	-0.0276	-0.0254	-0.0276	0.0228	-0.0049	0.0052	-0.0191	-0.0045	-0.0152
-0.0249	0.0031	-0.0246	0.0031	-0.0235	0.0031	0.0058	-0.0392	-0.0052	-0.0226	0.0177	-0.0085
0.0223	0.0849	0.0256	0.0849	0.0222	0.0849	0.0057	0.0253	-0.0159	0.0000	-0.0040	0.0346
0.0235	0.0908	0.0244	0.0908	0.0240	0.0908	-0.0005	0.0388	0.0044	-0.0313	0.0148	-0.0149
0.0197	0.0096	0.0183	0.0096	0.0164	0.0096	0.0142	-0.0050	0.0000	-0.1107	-0.0010	0.0064
0.0180	-0.0152	0.0166	-0.0152	0.0158	-0.0152	0.0275	0.0037	-0.0116	0.0442	0.0285	-0.0052
-0.0204	-0.0294	-0.0228	-0.0294	-0.0193	-0.0294	-0.0210	0.0399	0.0141	0.0234	0.0174	-0.0053

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
0.0071	0.0036	0.0070	0.0036	0.0074	0.0036	0.0039	0.0011	-0.0034	-0.0114	0.0038	-0.0247
-0.0109	-0.0047	-0.0109	-0.0047	-0.0103	-0.0047	-0.0074	0.0412	-0.0001	0.0961	0.0148	0.0053
-0.0045	-0.0118	-0.0045	-0.0118	-0.0056	-0.0118	-0.0151	0.0080	-0.0039	0.0283	0.0073	0.0013
0.0130	0.0151	0.0129	0.0151	0.0110	0.0151	0.0209	-0.0450	0.0037	-0.0001	0.0038	-0.0481
0.0135	-0.0226	0.0123	-0.0226	0.0117	-0.0226	0.0189	0.0109	0.0076	-0.0217	-0.0077	-0.0295
-0.0125	0.0790	-0.0130	0.0790	-0.0140	0.0790	-0.0231	0.0268	-0.0020	-0.0120	0.0186	-0.0075
0.0090	0.0018	0.0090	0.0018	0.0100	0.0018	-0.0026	-0.0225	0.0131	0.0187	0.0177	0.0308
-0.0072	0.0128	-0.0082	0.0128	-0.0070	0.0128	0.0051	-0.0165	-0.0052	-0.0332	-0.0164	-0.0232
0.0009	-0.0213	-0.0018	-0.0213	-0.0017	-0.0213	0.0045	0.0173	0.0035	0.0437	-0.0142	-0.0169
-0.0118	-0.0597	-0.0118	-0.0597	-0.0116	-0.0597	0.0052	-0.0135	-0.0116	-0.0176	-0.0080	0.0022
-0.0047	0.0135	-0.0035	0.0082	-0.0153	0.0082	-0.0054	0.0000	-0.0065	0.0111	0.0003	0.0181
0.0037	-0.0150	-0.0150	-0.0479	-0.0020	-0.0479	-0.0236	-0.0187	-0.0053	0.0194	-0.0109	0.0398
0.0020	0.0118	-0.0071	0.0116	-0.0086	0.0116	0.0291	-0.0067	-0.0013	0.0142	0.0156	0.0124
0.0030	0.0012	0.0223	0.0392	0.0225	0.0392	0.0223	0.0578	-0.0094	0.0535	-0.0110	0.0187
-0.0020	0.0242	-0.0080	-0.0179	-0.0085	-0.0179	-0.0115	0.0103	0.0001	0.0120	-0.0192	-0.0138
-0.0059	0.0085	0.0093	0.0041	0.0032	0.0041	-0.0191	-0.0126	-0.0035	-0.0152	-0.0043	-0.0001
-0.0031	-0.0006	0.0165	-0.0138	0.0148	-0.0138	-0.0020	-0.0024	0.0228	-0.0085	-0.0003	0.0289
0.0003	-0.0077	0.0430	-0.0049	0.0257	-0.0049	0.0058	-0.0287	0.0000	0.0346	0.0121	0.0056
-0.0091	-0.0266	0.0243	-0.0392	0.0037	-0.0392	0.0090	-0.0489	0.0152	-0.0149	-0.0018	-0.0167
-0.0219	0.0210	0.0407	0.0253	0.0057	0.0253	-0.0015	0.0176	-0.0035	0.0064	0.0012	0.0085
0.0045	-0.0001	0.0117	0.0388	-0.0004	0.0388	0.0008	0.0164	0.0280	-0.0052	-0.0101	-0.0306
-0.0039	-0.0239	0.0213	-0.0050	0.0184	-0.0050	0.0014	0.0451	0.0178	-0.0053	0.0128	0.0278
-0.0162	0.0034	0.0106	0.0037	0.0297	0.0037	0.0044	-0.0072	0.0038	-0.0247	-0.0047	-0.0340
0.0069	0.0070	-0.0337	0.0399	-0.0221	0.0399	0.0084	-0.0251	0.0143	0.0053	-0.0007	-0.0121
0.0021	0.0393	-0.0469	0.0011	0.0009	0.0011	-0.0078	0.0130	0.0110	0.0013	-0.0190	-0.0243
0.0101	0.0467	-0.0059	0.0412	-0.0059	0.0412	0.0198	0.0118	-0.0207	-0.0185	-0.0020	-0.0011
0.0017	0.0048	-0.0132	0.0080	-0.0122	0.0080	0.0009	-0.0295	0.0236	-0.0302	0.0257	0.0274
-0.0025	0.0108	0.0359	-0.0450	0.0349	-0.0450	-0.0076	-0.0379	-0.0068	-0.0295	0.0096	0.0466
0.0072	0.0066	0.0283	0.0109	0.0278	0.0109	0.0005	-0.0040	0.0204	-0.0075	-0.0117	-0.0011
0.0081	-0.0007	-0.0374	0.0268	-0.0316	0.0268	0.0038	-0.0191	0.0068	0.0152	0.0228	0.0238
-0.0039	-0.0251	0.0024	-0.0225	-0.0031	-0.0225	-0.0048	-0.0226	0.0115	0.0053	-0.0071	0.0024
-0.0191	0.0472	0.0072	-0.0165	0.0072	-0.0165	-0.0170	0.0000	-0.0002	0.0100	0.0025	0.0241
-0.0126	0.0162	0.0040	0.0173	0.0045	0.0173	0.0019	-0.0313	-0.0167	-0.0232	-0.0115	0.0019
0.0175	-0.0074	0.0057	-0.0135	0.0057	-0.0135	0.0000	-0.1107	-0.0136	-0.0169	0.0071	-0.0089
0.0039	-0.0093	-0.0073	0.0000	-0.0068	0.0000	-0.0067	0.0442	-0.0075	0.0022	-0.0294	-0.0348
0.0038	-0.0102	-0.0274	-0.0187	-0.0269	-0.0187	0.0152	0.0234	0.0003	0.0181	-0.0003	0.0358
0.0053	-0.0581	0.0418	-0.0067	0.0417	-0.0067	-0.0069	-0.0114	-0.0109	0.0398	-0.0043	-0.0117
-0.0042	-0.0085	0.0293	0.0578	0.0278	0.0578	0.0048	0.0961	0.0174	0.0124	-0.0042	-0.0512
-0.0463	-0.0001	-0.0155	0.0103	-0.0155	0.0103	-0.0039	0.0283	-0.0155	0.0187	0.0225	0.0145
0.0413	-0.0211	-0.0324	-0.0126	-0.0304	-0.0126	0.0052	-0.0001	-0.0210	-0.0138	0.0062	-0.0106
-0.0151	-0.0179	-0.0080	-0.0024	-0.0065	-0.0024	0.0076	-0.0217	-0.0034	-0.0001	-0.0009	-0.0022
0.0076	-0.0049	0.0155	-0.0287	0.0154	-0.0287	-0.0025	-0.0120	0.0011	0.0289	0.0079	0.0206
0.0228	0.0012	0.0114	-0.0489	0.0113	-0.0489	0.0166	0.0187	0.0140	0.0056	0.0361	0.0010
0.0027	-0.0328	0.0024	0.0176	0.0024	0.0176	-0.0052	-0.0332	-0.0013	-0.0167	-0.0069	0.0043
0.0258	0.0178	-0.0031	0.0164	-0.0046	0.0164	0.0030	0.0437	0.0012	0.0085	-0.0026	-0.0151
-0.0057	-0.0056	0.0043	0.0451	0.0029	0.0451	-0.0131	-0.0176	-0.0110	-0.0306	-0.0015	0.0116
0.0260	0.0060	-0.0036	-0.0072	-0.0036	-0.0072	-0.0065	0.0111	0.0122	0.0278	0.0153	0.0449
-0.0017	0.0166	-0.0021	-0.0251	0.0074	-0.0251	-0.0073	0.0194	-0.0061	-0.0340	0.0096	0.0071

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
-0.0032	-0.0318	-0.0084	0.0130	-0.0107	0.0130	-0.0173	0.0142	-0.0026	-0.0121	-0.0029	0.0056
0.0097	0.0128	0.0248	-0.0181	0.0207	0.0118	-0.0091	0.0535	-0.0223	-0.0243	0.0043	0.0157
-0.0085	-0.0285	-0.0106	-0.0379	0.0014	-0.0295	0.0048	0.0120	-0.0010	-0.0011	-0.0037	0.0135
-0.0124	-0.0098	0.0101	0.0128	-0.0105	-0.0379	-0.0010	-0.0152	0.0252	0.0274	0.0032	-0.0150
-0.0220	-0.0064	-0.0085	-0.0285	-0.0078	-0.0040	0.0313	-0.0085	0.0087	0.0466	0.0006	0.0118
-0.0155	0.0005	-0.0137	-0.0098	0.0038	-0.0191	0.0040	0.0346	-0.0098	-0.0011	0.0066	0.0012
-0.0029	0.0167	-0.0201	-0.0064	-0.0038	-0.0226	0.0142	-0.0149	0.0218	0.0238	-0.0092	0.0242
0.0125	-0.0206	-0.0154	0.0005	-0.0205	0.0000	-0.0035	0.0064	-0.0071	0.0024	-0.0076	0.0085
-0.0115	-0.0102	-0.0029	0.0167	0.0024	-0.0313	0.0285	-0.0052	0.0025	0.0241	-0.0035	-0.0006
-0.0040	0.0063	0.0129	-0.0206	0.0000	-0.1107	0.0178	-0.0053	-0.0134	0.0019	0.0008	-0.0077
-0.0025	-0.0069	-0.0109	-0.0102	-0.0058	0.0442	0.0048	-0.0247	0.0067	-0.0089	-0.0123	-0.0266
-0.0007	0.0322	-0.0035	0.0063	0.0183	0.0234	0.0147	0.0053	-0.0290	-0.0348	-0.0227	0.0210
-0.0019	-0.0161	-0.0015	-0.0069	-0.0114	-0.0114	0.0092	0.0013	-0.0028	0.0358	-0.0008	-0.0001
-0.0044	0.0268	-0.0011	0.0322	0.0074	0.0961	-0.0129	-0.0185	-0.0053	-0.0117	-0.0039	-0.0239
0.0174	0.0250	-0.0009	-0.0161	-0.0025	0.0283	0.0226	-0.0302	-0.0037	-0.0512	-0.0181	0.0034
-0.0105	0.0065	-0.0039	0.0268	0.0052	-0.0001	-0.0090	-0.0295	0.0251	0.0145	0.0079	0.0070
-0.0097	-0.0550	0.0163	0.0250	0.0082	-0.0217	0.0213	-0.0075	0.0115	-0.0106	0.0021	0.0393
-0.0107	-0.0164	-0.0109	0.0065	-0.0040	-0.0120	0.0127	0.0152	-0.0018	-0.0022	0.0096	0.0467
-0.0169	-0.0038	-0.0111	-0.0550	0.0118	0.0187	0.0097	0.0053	0.0132	0.0056	-0.0012	0.0048
-0.0060	0.0255	-0.0087	-0.0164	-0.0033	-0.0332	0.0016	0.0100	0.0386	0.0149	-0.0039	0.0108
0.0076	0.0000	-0.0168	-0.0038	0.0005	0.0437	-0.0162	-0.0232	-0.0018	0.0010	0.0063	0.0066
-0.0035	0.0292	-0.0054	0.0255	-0.0137	-0.0176	-0.0162	-0.0169	-0.0078	0.0043	0.0120	-0.0007
-0.0304	0.0074	0.0060	0.0000	-0.0076	0.0111	-0.0088	0.0022	-0.0026	-0.0151	-0.0063	-0.0251
0.0078	-0.0293	-0.0030	0.0292	0.1336	-0.0019	0.0003	0.0181	-0.0047	0.0116	-0.0212	0.0472
0.0181	-0.0310	-0.0296	0.0074	0.0037	-0.0107	-0.0109	0.0398	0.0255	0.0449	-0.0122	0.0162
0.0051	0.0109	0.0073	-0.0293	0.0105	0.0002	-0.0177	0.0124	0.0167	0.0071	0.0191	-0.0074
0.0020	0.0118	0.0174	-0.0310	-0.0115	-0.0166	0.0106	0.0187	-0.0037	0.0056	0.0049	-0.0093
-0.0389	0.0071	0.0055	0.0109	0.0005	0.0002	-0.0210	-0.0138	-0.0016	0.0157	0.0024	-0.0102
0.0000	0.0016	0.0015	0.0118	0.0026	0.0301	-0.0058	-0.0001	-0.0086	0.0135	0.0044	-0.0581
-0.0013	0.0112	-0.0376	0.0071	0.0008	-0.0090	0.0016	0.0289	0.0077	-0.0150	-0.0033	-0.0085
-0.0145	0.0176	-0.0021	0.0016	-0.0087	0.0064	0.0136	0.0056	-0.0025	0.0118	-0.0040	-0.0001
-0.0051	0.0092	-0.0007	0.0112	-0.0166	-0.0051	-0.0023	-0.0167	0.0021	0.0012	-0.0206	-0.0386
0.0043	-0.0011	-0.0144	0.0176	0.0018	-0.0130	0.0012	0.0085	-0.0127	0.0242	0.0092	-0.0049
-0.0088	0.0179	-0.0061	0.0092	0.0154	-0.0181	-0.0120	-0.0306	-0.0090	0.0085	0.0224	0.0012
-0.0027	-0.0193	0.0048	-0.0011	0.0090	-0.0123	0.0094	0.0278	-0.0053	-0.0006	0.0018	-0.0328
0.0307	-0.0142	-0.0087	0.0179	0.0037	-0.0261	-0.0086	-0.0340	0.0013	-0.0077	0.0299	0.0178
0.0126	0.0055	-0.0048	-0.0193	0.0005	0.0000	-0.0007	-0.0121	-0.0173	-0.0266	-0.0076	-0.0056
0.0009	0.0153	0.0295	-0.0142	0.0105	-0.0132	-0.0206	-0.0243	-0.0266	0.0210	0.0267	0.0060
-0.0308	-0.0221	0.0089	0.0055	0.0148	0.0021	0.4444	-0.0011	-0.0109	-0.0001	-0.0017	0.0166
0.0032	-0.0107	0.0024	0.0153	-0.0005	-0.0011	-0.2984	0.0274	-0.0025	-0.0239	-0.0014	-0.0318
0.0101	0.0002	-0.0308	-0.0221	0.0028	-0.0127	0.0098	0.0466	-0.0170	0.0034	0.0102	0.0128
-0.0111	-0.0166	0.0037	-0.0107	0.0079	0.0256	-0.0094	-0.0011	0.0070	0.0070	-0.0086	-0.0285
0.0069	0.0002	0.0116	0.0002	-0.0244	-0.0274	0.0241	0.0238	0.0021	0.0393	-0.0129	-0.0098
0.0053	0.0301	-0.0121	-0.0166	-0.0010	0.0018	-0.0113	0.0024	0.0092	0.0467	-0.0263	-0.0064
0.0171	-0.0090	0.0016	0.0002	0.0005	0.0190	0.0096	0.0241	-0.0003	0.0048	-0.0147	0.0005
-0.0106	0.0064	0.0037	0.0301	0.0130	-0.0058	-0.0127	0.0019	-0.0060	0.0108	0.0010	0.0167
-0.0232	-0.0051	0.0013	-0.0090	0.0016	0.0073	0.0013	-0.0089	0.0069	0.0066	0.0145	-0.0206
-0.0079	-0.0130	-0.0103	0.0064	0.0062	0.0022	-0.0135	-0.0348	0.0176	-0.0007	-0.0110	-0.0102

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
0.0165	-0.0181	-0.0162	-0.0051	0.0101	0.0153	-0.0033	0.0358	-0.0103	-0.0251	-0.0103	0.0063
0.0224	-0.0123	0.0012	-0.0130	-0.0319	-0.0165	-0.0048	-0.0117	-0.0132	0.0472	-0.0083	-0.0069
0.0078	-0.0261	0.0149	-0.0181	0.0003	-0.0039	-0.0037	-0.0512	-0.0029	0.0162	0.0003	0.0322
0.0005	0.0000	0.0102	-0.0123	0.0145	-0.0302	0.0251	0.0145	0.0191	-0.0074	-0.0020	-0.0161
0.0113	-0.0132	0.0037	-0.0261	0.0064	-0.0089	0.0115	-0.0106	0.0049	-0.0093	-0.0049	0.0268
0.0161	0.0021	0.0005	0.0000	0.0113	-0.0093	-0.0018	-0.0022	-0.0155	-0.0102	0.0221	0.0250
0.0040	-0.0011	0.0111	-0.0132	-0.0086	-0.0056	0.0132	0.0056	0.0114	-0.0581	-0.0131	0.0065
0.0018	-0.0127	0.0133	0.0021	-0.0025	0.0200	0.0278	0.0149	-0.0032	-0.0085	-0.0074	-0.0550
0.0083	0.0256	0.0021	-0.0011	0.0149	-0.0080	-0.0009	0.0010	-0.0040	-0.0001	-0.0148	-0.0164
-0.0249	-0.0274	0.0023	-0.0127	0.0162	0.0146	-0.0056	0.0043	-0.0050	-0.0211	-0.0181	-0.0038
-0.4601	0.0018	0.0080	0.0256	0.0145	0.0602	-0.0026	-0.0151	-0.0140	-0.0179	-0.0061	0.0255
0.8501	0.0190	-0.0255	-0.0274	-0.0005	-0.0045	-0.0047	0.0116	0.0188	-0.0049	0.0227	0.0000
0.0132	-0.0058	-0.0021	0.0018	0.0153	0.0282	0.0257	0.0449	0.0224	0.0012	-0.0161	0.0292
0.0016	0.0073	0.0011	0.0190	-0.0013	-0.0082	0.0169	0.0071	0.0018	-0.0328	-0.0266	0.0074
0.0025	0.0022	0.0136	-0.0058	0.0007	0.0038	-0.0037	0.0056	0.0299	0.0178	0.0026	-0.0293
0.0124	0.0153	0.0016	0.0073	0.0143	-0.0060	-0.0014	-0.0045	-0.0076	-0.0056	0.0200	-0.0310
-0.0308	-0.0165	0.0052	0.0022	-0.0073	-0.0332	0.0148	0.0282	0.0267	0.0060	0.0005	0.0109
0.0003	-0.0039	0.0102	0.0153	-0.0028	0.0038	-0.0008	-0.0082	-0.0490	0.0330	0.0041	0.0118
0.0107	-0.0302	-0.0316	-0.0165	0.0024	-0.0176	-0.0007	0.0038	0.0014	0.0079	-0.0379	0.0071
0.0069	-0.0089	0.0003	-0.0039	-0.0105	-0.0129	0.0133	-0.0060	-0.0057	-0.0065	0.0122	0.0016
-0.0019	-0.0093	0.0115	-0.0302	0.0119	0.0158	-0.0058	-0.0332	0.0113	-0.0109	-0.0013	0.0112
0.0015	-0.0056	0.0065	-0.0089	0.0055	0.0014	-0.0027	0.0038	-0.0107	-0.0046	-0.0177	0.0176
-0.0010	0.0200	0.0047	-0.0093	-0.0079	-0.0122	0.0029	-0.0176	-0.0013	-0.0049	-0.0073	0.0092
0.0172	-0.0080	-0.0041	-0.0056	0.0035	0.0016	-0.0100	-0.0129	-0.0020	0.0285	0.0049	-0.0011
0.0119	-0.0013	-0.0021	0.0200	0.0062	0.0034	0.0114	0.0158	-0.0103	0.0132	-0.0077	0.0179
-0.0021	-0.0048	0.0176	-0.0080	0.0063	-0.0271	-0.0017	0.0014	-0.0006	-0.0031	-0.0059	-0.0193
0.0113	-0.0037	0.0224	0.0146	0.0019	-0.0149	0.0006	-0.0122	0.0083	0.0131	0.0364	-0.0142
0.0182	-0.0756	0.0155	0.0602	-0.0156	-0.0002	0.0030	0.0016	0.0096	0.0143	0.0126	0.0055
0.0073	0.0096	-0.0058	-0.0045	0.0115	-0.0088	0.0067	0.0034	-0.0038	-0.0081	0.0009	0.0153
-0.0014	0.0398	0.0184	0.0282	0.0186	0.0310	0.0044	-0.0271	0.0065	0.0255	-0.0366	0.0424
-0.0086	0.0083	-0.0004	-0.0082	0.0138	0.0138	0.0028	-0.0149	0.0019	0.0014	-0.0223	0.0117
0.0093	-0.0062	0.0113	0.0038	0.0108	0.0225	-0.0047	-0.0002	0.0046	-0.0015	-0.0266	-0.0318
-0.0028	0.0053	0.0070	-0.0060	-0.0001	-0.0056	-0.0009	-0.0088	0.0038	0.0205	0.0398	-0.0276
-0.0302	-0.0009	-0.0186	-0.0332	-0.0041	-0.0163	0.0114	0.0310	-0.0365	-0.0016	-0.0327	0.0033
-0.0168	-0.0024	-0.0037	0.0038	-0.0072	-0.0166	0.0148	0.0138	-0.0088	-0.0016	0.0051	-0.0029
-0.0098	0.0046	0.0004	-0.0176	-0.0084	0.0082	0.0145	0.0225	-0.0027	0.0177	0.0075	0.0017
-0.0081	-0.0153	-0.0184	-0.0129	-0.0005	0.0306	0.0008	-0.0056	0.0100	0.0020	-0.0051	-0.0009
-0.0242	0.0028	0.0136	0.0158	0.0014	0.0095	-0.0050	-0.0163	0.0022	-0.0143	-0.0148	-0.0002
-0.0058	0.0090	0.0183	0.0014	-0.0074	-0.0054	-0.0067	-0.0166	-0.0025	0.0175	0.0121	-0.0008
-0.0057	-0.0220	-0.0237	-0.0122	-0.0101	-0.0143	-0.0084	0.0082	0.0106	0.0231	0.0082	-0.0428
-0.0150	-0.0230	0.0031	0.0016	-0.0139	0.0069	-0.0019	0.0306	0.0005	0.0007	0.0141	-0.0022
-0.0245	0.0004	0.0049	0.0034	-0.0179	0.0016	0.0024	0.0095	0.0000	0.0001	0.0219	0.0106
-0.0203	-0.0072	0.0098	-0.0271	0.0021	0.0128	-0.0078	-0.0054	-0.0053	-0.0058	-0.0036	0.0289
0.0092	-0.0032	-0.0019	-0.0149	-0.0015	0.0079	-0.0082	-0.0143	0.0147	-0.0037	-0.0053	-0.0124
0.0121	0.0070	-0.0107	-0.0002	-0.0141	-0.0065	-0.0106	0.0069	-0.0050	-0.0270	0.0047	-0.0162
-0.0127	0.0182	0.0176	-0.0088	0.0136	-0.0109	-0.0155	0.0016	0.0083	-0.0199	0.0145	0.0076
0.0067	-0.0082	0.0174	0.0310	0.0330	-0.0046	0.0021	0.0128	-0.0004	0.0128	0.0108	-0.0034
-0.0041	0.0395	0.0145	0.0138	-0.0490	-0.0049	0.0014	0.0079	0.0012	0.0150	0.0060	0.0334

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
-0.0164	-0.0047	0.0040	0.0225	-0.0044	0.0285	-0.0067	-0.0065	-0.0028	-0.0043	-0.0050	0.0028
0.0059	-0.0216	0.0022	-0.0056	-0.0110	0.0132	0.0119	-0.0109	-0.0027	-0.0238	0.0195	-0.0068
0.0242	-0.0055	-0.0074	-0.0326	-0.0012	-0.0031	-0.0122	-0.0046	-0.0131	0.0028	0.0206	0.0368
0.0168	-0.0040	-0.0086	0.0082	0.0106	0.0131	-0.0013	-0.0049	-0.0025	0.0011	0.0062	-0.0428
-0.0253	0.0093	-0.0080	0.0306	0.0119	0.0143	-0.0024	0.0285	-0.0048	0.0091	0.0116	0.0792
-0.0057	0.0074	0.0043	0.0095	-0.0024	-0.0081	-0.0118	0.0132	-0.0136	-0.0175	-0.0038	0.0083
0.0454	0.0686	-0.0089	-0.0054	0.0022	0.0255	-0.0011	-0.0031	0.0003	-0.0171	0.0030	0.0072
0.0333	-0.0115	-0.0103	-0.0143	0.0024	0.0014	0.0089	0.0131	-0.0141	0.0018	0.0007	0.0094
0.0032	0.0081	-0.0089	0.0069	0.0042	-0.0015	0.0102	0.0143	-0.0151	-0.0216	-0.0154	0.0006
0.0141	0.0137	-0.0172	0.0016	0.0069	0.0205	-0.0048	-0.0081	-0.0015	0.0027	0.0045	-0.0063
0.0120	-0.0075	-0.3647	-0.0074	-0.0375	-0.0016	0.0056	0.0255	0.0026	-0.0003	0.0081	-0.0065
-0.0100	0.0034	0.5502	0.1260	-0.0136	-0.0016	0.0019	0.0014	-0.0052	-0.0100	-0.0099	-0.0260
-0.0051	0.0090	0.0129	0.0005	-0.0038	0.0177	0.0046	-0.0015	-0.0060	0.0293	-0.0178	0.0119
0.0343	-0.0136	0.0518	0.0089	0.0087	0.0020	0.0039	0.0205	-0.0108	0.0197	0.0495	0.0829
0.0179	0.0086	-0.0189	-0.0112	0.0002	-0.0143	-0.0383	-0.0016	-0.0088	0.0396	0.0031	0.0052
0.0043	0.0039	-0.0078	-0.0111	0.0030	0.0409	-0.0099	-0.0016	-0.0020	0.0021	-0.0238	-0.0207
-0.0076	0.0066	0.0238	0.0202	0.0094	0.0007	-0.3047	0.0177	-0.0154	-0.0005	0.0151	0.0156
0.0196	0.0005	0.0182	-0.0190	-0.0015	0.0001	0.4501	0.0020	-0.0209	0.0011	-0.0008	-0.0024
0.0540	0.0089	0.0411	0.0109	0.0000	-0.0058	0.0017	-0.0143	-0.0285	0.0117	0.0012	0.0341
-0.0226	-0.0112	-0.0230	-0.0058	-0.0106	-0.0037	-0.0040	0.0175	0.0224	-0.0318	0.0052	0.0131
-0.0065	-0.0111	0.0241	0.0181	0.0167	-0.0270	0.0102	0.0231	-0.0003	-0.0285	-0.0056	0.0246
0.0216	0.0202	0.0139	-0.0026	-0.0052	-0.0199	0.0000	0.0007	0.0199	-0.0009	-0.0075	-0.0257
0.0290	-0.0190	-0.0422	0.0017	0.0121	0.0128	0.0000	0.0001	-0.0329	0.0018	-0.0231	0.0068
0.0457	0.0109	-0.0070	0.0029	0.0010	0.0150	-0.0054	-0.0058	0.0045	0.0033	-0.0058	0.0046
-0.0293	-0.0058	-0.0084	0.0132	0.0112	-0.0043	0.0168	-0.0037	0.0093	-0.0029	0.0074	0.0039
0.0254	0.0181	0.0114	0.0116	-0.0049	-0.0238	-0.0055	-0.0270	-0.0063	0.0017	0.0018	0.0000
-0.0023	-0.0026	0.0000	-0.0070	-0.0043	0.0028	0.0098	-0.0199	-0.0137	-0.0009	-0.0049	0.0206
-0.0506	0.0017	-0.0033	-0.0066	-0.0129	0.0011	0.0005	0.0128	0.0116	-0.0002	-0.0019	-0.0100
-0.0041	0.0029	0.0095	0.0016	-0.0062	0.0091	0.0022	0.0150	0.0083	-0.0008	0.0138	-0.0204
-0.0084	0.0132	-0.0149	-0.0366	-0.0060	-0.0175	-0.0033	-0.0043	0.0153	-0.0428	-0.0039	0.0056
0.0066	0.0116	-0.0073	0.0031	-0.0146	-0.0171	-0.0042	-0.0238	0.0226	-0.0022	0.0209	0.0013
-0.0017	-0.0070	-0.0402	-0.0325	0.0003	0.0018	-0.0152	0.0028	-0.0077	0.0106	-0.0039	0.0314
0.0014	-0.0066	0.0194	0.0281	-0.0156	-0.0216	-0.0021	0.0011	0.0058	0.0289	-0.0057	0.0495
0.0053	0.0016	0.0420	-0.0112	-0.0156	0.0027	-0.0059	0.0091	-0.0048	-0.0124	0.0009	-0.0024
-0.0114	-0.0366	0.0057	0.0008	-0.0096	-0.0003	-0.0159	-0.0175	0.0074	-0.0162	0.0033	-0.0052
-0.0073	0.0031	-0.0054	0.0137	0.0255	0.0017	0.0003	-0.0171	0.0211	0.0076	0.0035	0.0305
-0.0348	-0.0325	0.0064	-0.0122	-0.0037	0.0022	-0.0144	0.0018	0.0075	-0.0034	0.0130	0.0054
0.0224	0.0281	-0.0023	-0.0004	-0.0413	0.0135	-0.0164	-0.0216	0.0081	0.0334	-0.0038	0.0003
0.0332	-0.0112	-0.0034	0.0196	0.0096	-0.0040	-0.0042	0.0027	-0.0018	0.0028	-0.0101	0.0251
0.0121	0.0008	-0.0101	0.0016	0.0073	-0.0029	0.0058	-0.0003	0.0172	-0.0068	-0.0258	-0.0061
-0.0054	0.0137	0.0147	0.0029	-0.0047	0.0067	-0.0053	-0.0100	0.0231	0.0368	-0.0174	-0.0147
0.0081	-0.0122	-0.0128	-0.0236	-0.0104	-0.0201	-0.0050	0.0293	0.0036	-0.0428	0.0102	0.0097
-0.0012	-0.0004	0.0077	0.0010	-0.0121	0.0003	-0.0062	0.0197	0.0120	0.0792	0.0030	-0.0024
-0.0045	0.0196	-0.0099	-0.0068	0.0109	0.0094	-0.0068	0.0396	-0.0023	0.0083	0.0082	0.0096
-0.0111	0.0016	-0.0074	0.0303	0.0257	-0.0011	-0.0004	0.0021	0.0011	0.0072	0.0078	-0.0002
0.0146	0.0029	0.0155	0.0199	0.0475	-0.0162	-0.0220	-0.0005	-0.0008	0.0094	0.0035	-0.0130
-0.0121	-0.0236	0.0029	0.0021	-0.0051	0.0181	-0.0261	0.0011	-0.0174	0.0006	-0.0201	0.0072
-0.0039	0.0010	0.0031	0.0459	-0.0099	-0.0153	-0.0250	0.0117	0.0061	-0.0063	-0.0277	0.0259

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
0.0018	-0.0068	-0.0009	-0.0029	0.0263	-0.0062	0.0227	-0.0318	0.0075	-0.0065	0.0126	-0.0013
-0.0102	0.0303	0.0882	0.0113	0.0046	-0.0134	0.0037	-0.0285	-0.0120	-0.0260	-0.0015	-0.0048
0.0154	0.0199	-0.0319	-0.0206	-0.0083	0.0082	0.0219	-0.0009	-0.0111	0.0037	0.0199	-0.0037
0.0070	0.0021	0.0259	0.0017	0.0141	0.0090	-0.0326	0.0018	-0.0014	0.0067	0.0199	-0.0756
0.0031	0.0459	-0.0004	0.0022	0.0033	-0.0046	0.0086	0.0033	-0.0038	0.0015	0.0030	0.0498
-0.0009	-0.0029	-0.0442	0.0135	0.0058	-0.0172	0.0071	-0.0029	0.0531	0.0829	-0.0062	0.0083
0.0498	0.0113	0.0090	-0.0040	0.0011	0.0125	-0.0092	0.0017	0.0056	0.0052	0.0116	-0.0062
-0.0223	-0.0086	0.0045	-0.0029	0.0256	-0.0045	-0.0144	-0.0009	-0.0210	-0.0207	-0.0028	0.0053
-0.0408	0.0861	-0.0042	0.0067	0.0180	0.0127	0.0129	-0.0002	0.0196	0.0156	-0.0328	-0.0009
-0.0058	-0.0114	-0.0114	-0.0201	0.0054	-0.0266	0.0014	-0.0008	-0.0002	-0.0024	-0.0173	-0.0024
0.0207	0.0228	-0.0110	0.0003	-0.0074	0.0264	0.0144	-0.0428	-0.0101	0.0341	-0.0103	0.0046
-0.0075	-0.5819	0.0126	0.0094	-0.0119	-0.0183	0.0292	-0.0022	0.0005	0.0131	-0.0038	-0.0153
0.0185	1.3778	0.0250	-0.0011	-0.0049	0.0154	-0.0061	0.0106	-0.0028	0.0246	-0.0215	0.0028
0.0058	0.0076	0.0575	-0.0162	-0.0116	-0.0033	-0.0020	0.0289	-0.0128	-0.0257	0.0005	0.0090
0.0099	-0.0057	-0.0096	0.0181	-0.0097	0.0125	-0.0004	-0.0124	-0.0286	0.0068	-0.0058	-0.0220
0.0323	-0.0478	-0.0189	-0.0153	-0.0273	-0.0171	0.0086	-0.0162	-0.0166	0.0046	-0.0211	-0.0230
0.0017	-0.0286	0.0381	-0.0062	-0.0032	-0.0106	0.0213	0.0076	0.0074	0.0039	-0.0217	0.0004
0.0154	-0.0069	0.0045	-0.0134	0.0232	-0.0089	0.0114	-0.0034	0.0076	0.0000	-0.0342	-0.0072
0.0475	0.0005	-0.0062	0.0082	-0.0033	0.0080	0.0001	0.0334	-0.0106	0.0206	-0.0022	-0.0032
-0.0163	-0.0090	0.0336	0.0090	0.0067	0.0081	0.0025	0.0028	-0.0037	-0.0100	0.0101	0.0070
0.0187	0.0085	-0.0052	-0.0046	-0.0062	-0.0061	0.0174	-0.0068	0.0163	-0.0204	-0.0136	0.0182
-0.0090	0.0368	0.0070	-0.0172	0.0011	-0.0116	0.0233	0.0368	-0.0013	0.0056	0.0123	-0.0082
0.0053	-0.0357	0.0042	0.0125	-0.0351	-0.0018	0.0114	-0.0428	0.0222	0.0013	-0.0008	0.0395
-0.0054	-0.0045	0.0208	-0.0045	0.0005	-0.0095	0.0017	0.0792	0.0000	0.0314	-0.0172	-0.0047
0.0009	0.0406	0.0250	0.0127	-0.0024	0.0000	-0.0023	0.0083	-0.0109	0.0495	0.0059	-0.0216
-0.0115	0.0012	-0.0011	-0.0266	0.0332	0.0167	0.0004	0.0072	0.0015	-0.0024	0.0243	-0.0055
-0.0061	-0.0148	-0.0051	0.0264	0.0172	-0.0003	-0.0009	0.0094	-0.0002	-0.0052	0.0179	-0.0191
-0.0541	-0.0158	-0.0073	-0.0183	0.0139	0.0231	-0.0177	0.0006	0.0051	0.0305	-0.0009	0.0154
0.0006	-0.0009	-0.0047	0.0154	0.0150	-0.0061	0.0067	-0.0063	0.0161	0.0054	-0.0255	0.0093
-0.0058	0.0018	-0.0113	-0.0033	-0.0078	0.0060	0.0076	-0.0065	-0.0056	0.0003	-0.0057	0.0074
-0.0078	0.0051	-0.0119	0.0125	-0.0046	-0.0039	-0.0169	-0.0260	-0.0132	0.0251	0.0491	0.0686
0.0068	-0.0273	-0.0266	-0.0171	-0.0048	-0.0104	-0.0113	0.0037	-0.0233	-0.0061	0.0321	-0.0115
-0.0007	-0.0205	-0.0028	-0.0106	-0.0281	-0.0018	-0.0634	-0.0018	-0.0203	-0.0147	0.0032	0.0081
-0.0040	-0.0176	0.0245	-0.0089	0.0022	0.0278	-0.0014	-0.0095	0.0103	0.0097	0.0110	0.0137
0.0127	0.0056	-0.0027	0.0080	0.0329	-0.0011	0.0001	0.0000	0.0047	-0.0024	0.0121	-0.0075
-0.0057	-0.0033	0.0061	0.0081	0.0229	0.0098	0.0278	0.0167	0.0083	0.0096	-0.0101	0.0034
0.0073	-0.0164	-0.0086	-0.0061	0.0002	0.0023	0.0178	-0.0003	0.0158	-0.0002	-0.0051	0.0090
0.0122	-0.0130	-0.0021	0.0224	-0.0031	-0.0116	0.0158	0.0231	-0.0054	-0.0130	0.0280	-0.0136
-0.0005	-0.0047	-0.0084	-0.0131	0.0084	-0.0272	0.0169	-0.0061	-0.0206	0.0072	0.0237	0.0086
-0.0219	0.0167	0.0100	-0.0010	-0.0137	-0.0042	-0.0050	0.0060	-0.0102	0.0057	0.0093	0.0039
0.0063	0.0044	-0.0023	0.0034	0.0000	0.0039	-0.0046	-0.0039	0.0109	0.0116	0.0084	0.0225
0.0034	0.0134	0.0008	0.0146	0.0064	-0.0014	-0.0024	-0.0104	-0.0102	0.0144	0.0675	0.0267
0.0053	-0.0282	-0.0108	0.0048	-0.0032	0.0001	-0.0229	-0.0018	-0.0029	0.0017	-0.0456	-0.0054
0.0174	-0.0201	-0.0107	0.0184	-0.0082	-0.0072	0.0022	0.0278	-0.0137	0.0054	0.0040	0.0027
-0.0010	-0.0015	-0.0060	-0.0073	-0.0186	-0.0142	0.0327	-0.0011	0.0021	0.0206	-0.0017	0.0086
-0.0088	0.0089	-0.0073	-0.0233	0.0190	-0.0006	0.0190	0.0098	-0.0009	0.0049	-0.0125	0.0094
0.0012	-0.0095	0.0239	0.0146	-0.0260	0.0111	0.0039	0.0023	-0.0107	0.0007	-0.0167	-0.0094
0.0134	0.0137	-0.0059	0.0305	-0.0239	-0.0056	-0.0049	-0.0116	-0.0024	0.0121	0.0209	-0.0064

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
-0.0084	-0.0024	-0.0023	0.0022	0.0017	0.0131	-0.0004	-0.0272	-0.0012	-0.0028	-0.0102	0.0005
0.0002	-0.0061	-0.0166	-0.0118	-0.0055	-0.0135	-0.0092	-0.0042	-0.0014	-0.0076	-0.0016	-0.0015
0.0111	0.0216	-0.0082	0.0143	-0.0069	0.0055	0.0000	0.0039	-0.0091	0.0006	-0.0099	0.0000
-0.0010	-0.0173	-0.0104	0.0006	0.0119	0.0178	0.0018	-0.0014	-0.0026	0.0034	0.0039	0.0088
0.0006	0.0207	-0.0178	0.0040	-0.0050	0.0049	-0.0022	0.0001	0.0329	0.0130	-0.0035	0.0060
0.0022	0.0014	0.0109	-0.0067	0.0083	0.0188	-0.0077	-0.0072	0.0057	-0.0023	-0.0028	-0.0173
-0.0049	-0.0057	-0.0058	-0.0123	0.0081	0.0354	-0.0200	-0.0142	0.0162	0.0031	0.0104	0.0086
-0.0055	0.0224	-0.0148	0.0091	0.0003	0.0028	0.0190	-0.0006	0.0069	0.0056	0.0087	-0.0144
-0.0118	-0.0131	0.0115	0.0034	0.0076	0.0139	-0.0228	0.0111	0.0087	0.0097	0.0079	0.0030
0.0091	-0.0010	0.0180	-0.0212	0.0229	0.0283	-0.0272	-0.0056	-0.0137	-0.0052	-0.0004	0.0089
-0.0024	0.0034	-0.0205	0.0160	0.0052	-0.0114	0.0017	0.0131	-0.0050	0.0043	0.0123	-0.0017
-0.0007	0.0146	0.0277	0.0122	0.0013	0.0012	0.0012	0.0207	0.0194	-0.0062	0.0120	-0.0039
-0.0133	0.0048	0.0280	-0.0106	-0.0022	0.0080	-0.0098	0.0057	-0.0097	-0.0078	-0.0053	0.0090
-0.0094	0.0184	0.0097	0.0039	-0.0172	0.0164	0.0104	0.0116	0.0035	-0.0114	-0.0110	-0.0002
-0.0086	-0.0073	-0.0078	0.0217	-0.0063	-0.0013	-0.0107	0.0144	0.0231	0.0147	0.0371	0.0020
-0.0101	-0.0233	-0.0073	-0.0125	-0.0083	0.0126	-0.0050	0.0017	-0.0032	-0.0046	0.0164	-0.0185
0.0224	0.0146	0.0051	0.0132	-0.0172	0.0077	-0.0138	0.0054	-0.0083	0.0191	-0.0238	-0.0086
-0.0055	0.0305	-0.0033	-0.0034	-0.0194	-0.0238	0.0015	0.0206	-0.0088	-0.0172	0.0133	-0.0042
-0.0013	0.0022	0.0105	0.0034	-0.0023	0.0086	-0.0005	0.0049	0.0046	0.0018	-0.0079	-0.0149
-0.0188	-0.0118	0.0047	-0.0076	0.0239	0.0236	-0.0108	0.0007	0.0160	0.0085	-0.0055	0.0012
-0.0077	0.0143	-0.0116	-0.0119	-0.0082	-0.0062	-0.0019	0.0121	0.0064	-0.0103	-0.0117	-0.0073
-0.0120	0.0006	-0.0022	0.0037	-0.0045	0.0061	-0.0006	-0.0028	-0.0202	-0.0084	-0.0043	0.0010
-0.0213	0.0040	-0.0188	-0.0146	-0.0127	-0.0011	-0.0014	-0.0076	-0.0151	-0.0103	-0.0153	-0.0130
0.0111	-0.0067	-0.0009	-0.0368	0.0095	-0.0072	-0.0092	0.0006	0.0045	-0.0168	0.0137	0.0131
-0.0059	-0.0123	-0.0043	-0.0211	0.0086	-0.0146	-0.0042	0.0034	-0.0220	0.0045	-0.0069	0.0039
-0.0156	0.0091	-0.0022	-0.0131	-0.0022	-0.0034	0.0349	0.0130	0.0006	0.0033	0.0032	0.0053
0.0146	0.0034	0.0082	-0.0094	-0.0005	-0.0002	0.0031	-0.0023	0.0194	0.0045	0.0495	0.0222
0.0246	-0.0212	0.0187	0.0030	-0.0200	-0.0219	0.0194	0.0031	-0.0039	0.0167	-0.0577	0.0291
-0.0225	0.0160	0.0050	-0.0105	-0.0277	-0.0057	0.0063	0.0056	-0.0181	-0.0236	-0.0102	0.0226
0.0302	0.0122	-0.0124	-0.0037	-0.0305	-0.0046	0.0087	0.0097	-0.0029	-0.0044	-0.0021	0.0252
0.0304	-0.0106	-0.0084	0.0090	0.0264	-0.0131	-0.0097	-0.0052	0.0100	0.0129	-0.0053	-0.0114
0.0093	0.0039	-0.0066	-0.0135	0.0087	-0.0046	-0.0045	0.0043	-0.0199	-0.0018	0.0209	0.0228
-0.0155	0.0217	-0.0075	0.0055	0.0126	-0.0241	0.0174	-0.0062	0.0064	0.0225	-0.0071	-0.5819
-0.0053	-0.0125	0.0132	0.0178	0.0040	-0.0129	-0.0118	-0.0078	0.0199	0.0099	0.0180	1.3778
0.0103	0.0132	-0.0061	0.0049	-0.0046	0.0280	0.0019	-0.0114	0.0481	0.0167	0.0154	0.0019
-0.0044	-0.0034	0.0084	0.0188	0.0010	-0.0177	0.0212	0.0147	-0.0479	-0.0054	0.0330	-0.0478
0.0091	0.0034	0.0077	0.0354	-0.0047	0.0078	-0.0016	-0.0046	0.0055	0.0027	0.0017	-0.0286
0.0047	-0.0076	-0.0003	0.0028	0.0014	0.0067	-0.0028	0.0191	-0.0047	0.0086	0.0159	-0.0069
-0.0138	-0.0119	0.0087	0.0139	0.0035	-0.0061	-0.0138	-0.0172	-0.0135	0.0094	0.0487	0.0005
-0.0038	0.0037	0.0233	0.0283	-0.0147	-0.0050	0.0092	0.0018	-0.0192	-0.0094	-0.0159	-0.0090
-0.0190	-0.0146	0.0078	-0.0114	-0.0369	-0.0208	0.0206	0.0085	0.0210	-0.0064	0.0169	0.0085
0.0001	-0.0368	0.0013	0.0012	0.0016	-0.0014	0.0050	-0.0103	-0.0108	0.0005	-0.0104	0.0368
-0.0033	-0.0211	-0.0023	0.0080	0.0090	0.0177	-0.0203	-0.0084	-0.0011	-0.0015	0.0039	-0.0357
-0.0022	-0.0131	-0.0204	0.0164	0.0126	0.0039	-0.0137	-0.0103	-0.0100	0.0000	-0.0050	-0.0045
0.0083	-0.0094	-0.0060	-0.0013	0.0020	0.0164	0.0055	-0.0168	0.0039	0.0088	0.0018	0.0406
0.0190	0.0030	-0.0091	0.0126	0.0134	-0.0046	-0.0215	0.0045	-0.0010	0.0060	-0.0115	0.0012
0.0086	-0.0105	-0.0180	0.0077	-0.0132	0.0069	0.0006	0.0033	-0.0028	-0.0173	-0.0061	-0.0148
-0.0136	-0.0037	-0.0208	-0.0238	0.0019	-0.0110	0.0194	0.0045	0.0110	0.0086	-0.0518	-0.0158

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
-0.0071	-0.0151	-0.0019	0.0086	0.0049	0.0089	-0.0039	0.0167	0.0082	-0.0144	-0.0004	-0.0009
0.0194	0.0307	0.0237	0.0236	-0.0009	-0.0007	-0.0181	-0.0236	0.0054	0.0030	-0.0064	0.0018
0.0060	0.0002	-0.0025	-0.0062	-0.0039	0.0199	-0.0024	-0.0044	-0.0004	0.0089	-0.0079	0.0051
0.0096	0.0239	-0.0035	0.0061	-0.0029	-0.0230	0.0130	0.0129	0.0079	-0.0017	0.0134	-0.0273
-0.0083	0.0036	-0.0123	-0.0011	0.0006	0.0236	0.0055	0.0307	0.0131	-0.0039	-0.0027	-0.0205
0.0062	0.0158	0.0025	-0.0072	0.0048	-0.0107	0.0083	0.0177	0.0021	0.0090	-0.0025	-0.0176
0.0119	0.0233	0.0092	-0.0146	0.0080	-0.0196	0.0112	0.0039	0.0007	-0.0002	0.0137	0.0056
-0.0230	0.0009	0.0037	-0.0034	-0.0061	-0.0013	0.0020	0.0164	0.0155	0.0020	-0.0062	-0.0033
-0.0076	-0.0065	-0.0017	-0.0002	0.0149	0.0019	0.0137	-0.0046	0.0055	-0.0310	0.0078	-0.0164
0.0253	0.0147	-0.0159	-0.0219	-0.0077	0.0084	-0.0131	0.0069	-0.0060	-0.0149	0.0122	-0.0130
-0.0036	-0.0117	-0.0279	-0.0057	-0.0042	0.0326	0.0013	-0.0110	-0.0061	0.0012	0.0005	-0.0047
0.0033	0.0104	-0.0337	-0.0046	-0.0362	0.0191	0.0054	0.0089	-0.0084	-0.0073	-0.0234	0.0167
-0.0157	0.0065	0.0256	-0.0131	0.0033	-0.0003	-0.0014	-0.0007	-0.0093	0.0010	0.0063	0.0044
-0.0002	0.0092	0.0088	-0.0046	0.0006	0.0045	-0.0034	0.0199	-0.0134	-0.0130	0.0039	0.0134
-0.0111	0.0024	0.0129	-0.0241	-0.0027	-0.0185	-0.0045	-0.0230	0.0117	0.0131	0.0038	-0.0282
-0.0040	0.0098	0.0040	-0.0129	0.0052	-0.0029	0.0045	0.0236	-0.0070	0.0039	0.0189	-0.0201
0.0547	-0.0074	-0.0046	0.0280	0.0008	0.0308	0.0026	-0.0107	0.0038	0.0053	-0.0010	-0.0015
-0.0303	-0.0097	0.0006	-0.0177	-0.0166	-0.0074	0.0069	-0.0196	0.0516	0.0222	-0.0088	0.0089
0.0151	-0.0258	-0.0048	0.0078	-0.0096	0.0079	-0.0066	-0.0013	-0.0471	0.0291	0.0012	-0.0095
-0.0107	-0.0246	0.0014	0.0067	0.0254	0.0062	0.0131	0.0019	-0.0178	0.0226	0.0120	0.0137
-0.0012	0.0004	0.0035	-0.0061	-0.0061	0.0305	-0.0087	0.0084	0.0351	0.0384	-0.0084	-0.0024
0.0013	-0.0108	-0.0149	-0.0050	-0.0122	0.0106	-0.0030	0.0326	0.0422	0.0074	0.0007	-0.0061
0.0070	-0.0163	-0.0374	-0.0208	0.0059	0.0115	-0.0308	0.0191	0.0145	0.0083	0.0112	0.0216
-0.0343	-0.0220	-0.0023	-0.0117	0.0017	0.0186	0.0037	-0.0003	0.0064	-0.0001	0.0001	-0.0173
-0.0224	-0.0230	0.0033	0.0104	0.0142	0.0077	0.0040	0.0045	0.0044	0.2944	-0.0002	0.0207
-0.0181	-0.0278	-0.0162	0.0065	-0.0065	-0.0011	-0.0009	-0.0185	-0.0092	-0.2227	0.0029	0.0014
0.0227	-0.0082	0.0005	0.0092	-0.0524	-0.0068	0.0052	-0.0029	0.0077	-0.0090	-0.0238	0.0076
0.0179	0.0162	-0.0103	0.0024	0.0137	0.0127	0.0024	0.0308	0.0035	0.0049	0.0069	0.0064
-0.0115	-0.0070	-0.0052	0.0098	-0.0311	0.0002	-0.0154	-0.0074	-0.0162	-0.0105	0.0070	0.0024
-0.0060	0.0245	0.0542	-0.0074	0.0018	0.0004	-0.0117	0.0079	0.0037	0.0181	-0.0016	-0.0034
-0.0034	0.0237	-0.0294	-0.0097	-0.0333	0.0017	0.0254	0.0062	0.0019	0.0242	-0.0100	-0.0151
-0.0041	0.0165	0.0130	-0.0258	0.0295	-0.0076	-0.0047	0.0305	0.0126	0.0121	0.0075	0.0013
-0.0094	-0.0240	-0.0099	-0.0246	0.0027	-0.0053	-0.0120	0.0106	-0.0069	-0.0020	0.0107	-0.0154
0.0041	-0.0131	-0.0006	0.0004	-0.0115	-0.0129	0.0057	0.0115	0.0192	0.0183	-0.0058	-0.0227
-0.0169	0.0057	0.0006	-0.0108	-0.0117	-0.0345	0.0018	0.0186	-0.0055	-0.0107	0.0134	0.0188
-0.0049	0.0167	0.0080	-0.0163	0.0052	-0.0127	0.0127	0.0077	0.0122	0.0071	0.0231	-0.0041
-0.0068	0.0086	-0.0343	-0.0220	-0.0030	0.0043	-0.0063	-0.0011	-0.0225	-0.0130	0.0328	0.0111
0.0234	0.0028	-0.0234	-0.0230	0.0075	-0.0043	-0.0177	-0.0068	0.0378	0.0141	-0.0179	-0.0183
0.0217	0.0043	-0.0176	-0.0278	-0.0037	0.0161	-0.0230	0.0127	-0.0118	-0.0037	0.0060	0.0038
0.0222	0.0188	0.0206	-0.0082	-0.0003	0.0065	-0.0310	0.0002	0.0132	0.0200	0.0022	0.0011
-0.0167	0.0061	0.0191	0.0162	0.0197	0.0011	0.0018	0.0004	-0.0152	0.0013	0.0176	-0.0005
0.0098	0.0191	-0.0115	-0.0070	-0.0044	-0.0286	-0.0320	0.0017	-0.0049	-0.0211	-0.0339	0.0010
0.0159	-0.0384	-0.0059	0.0245	-0.0062	-0.0286	0.0288	-0.0076	-0.0064	0.0029	-0.0128	0.0041
-0.0010	0.0059	-0.0027	0.0237	-0.0112	-0.0235	0.0027	-0.0053	-0.0160	0.0026	-0.0048	0.0074
-0.0327	0.0009	-0.0041	0.0165	-0.0089	-0.0121	0.0061	-0.0106	0.0039	0.0028	-0.0111	0.0049
0.0103	-0.0148	-0.0099	-0.0240	-0.0008	0.0255	0.0556	0.0074	-0.0228	-0.0064	-0.0066	0.0025
0.0013	0.0178	0.0034	-0.0131	-0.0240	-0.0508	0.0046	0.0083	0.0013	-0.0072	0.0115	0.0019
0.0025	0.0135	-0.0168	0.0057	-0.0032	-0.0149	0.0071	-0.0001	0.0075	-0.0010	0.0154	-0.0083

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
-0.0096	0.0050	-0.0055	0.0167	0.0135	0.0142	0.0032	0.2944	0.0000	-0.0524	-0.0135	0.0011
-0.0310	0.0259	-0.0075	0.0086	-0.0152	-0.0134	-0.0081	-0.2227	-0.0039	0.0091	0.0034	0.0294
0.0066	0.0032	0.0246	0.0028	0.0048	0.0228	0.0066	-0.0090	0.0114	0.0015	-0.0027	0.0189
-0.0001	0.0018	0.0203	0.0043	-0.0166	-0.0007	0.0041	0.0049	0.0030	0.0231	-0.0110	-0.0064
-0.0318	-0.0084	0.0214	0.0188	0.0002	0.0097	-0.0158	-0.0105	-0.0424	-0.0086	0.0054	0.0002
0.0279	0.0087	-0.0166	0.0061	-0.0340	-0.0487	0.0066	0.0181	0.0136	-0.0182	0.0115	0.0239
0.0108	-0.0061	0.0098	0.0191	-0.0029	0.0168	0.0205	0.0242	-0.0102	-0.0085	-0.0090	0.0036
-0.0221	-0.0190	0.0159	-0.0384	0.0188	0.0048	0.0228	0.0121	-0.0056	-0.0207	0.0057	0.0158
0.0057	0.0073	0.0002	0.0059	-0.0036	-0.0172	0.0025	-0.0020	-0.0137	0.0048	0.0126	0.0233
-0.0087	-0.0072	-0.0307	0.0009	-0.0008	0.0017	0.0475	0.0183	0.0818	0.0027	-0.0239	0.0009
-0.0054	0.0010	0.0089	-0.0148	0.0159	-0.0255	-0.0132	-0.0107	-0.0003	0.0064	-0.0077	-0.0065
0.0013	0.0088	0.0013	0.0178	-0.0134	0.0083	-0.0089	0.0071	0.0130	0.0024	0.0268	0.0147
-0.0275	0.0076	0.0018	0.0135	-0.0224	-0.0230	-0.0131	-0.0130	-0.0770	-0.0172	-0.0037	-0.0117
0.0092	-0.0044	-0.0088	0.0050	-0.0006	-0.0027	0.0462	0.0141	0.0106	-0.0154	0.0033	0.0104
0.0094	0.0050	-0.0295	0.0259	0.0192	0.0070	-0.0134	-0.0037	-0.0080	-0.0227	-0.0164	0.0065
0.0245	0.0172	0.0066	0.0032	-0.0065	0.0250	0.0239	0.0200	0.0135	0.0188	0.0004	0.0092
0.0001	0.0016	0.0025	0.0018	0.0207	-0.0306	-0.0176	0.0013	0.0231	-0.0041	-0.0119	0.0024
0.0015	0.0102	-0.0295	-0.0084	-0.0329	0.0425	-0.0042	-0.0211	0.0328	0.0111	-0.0042	0.0098
-0.0014	-0.0081	0.0268	0.0087	-0.0105	-0.0195	-0.0374	0.0029	-0.0179	-0.0183	0.0391	-0.0020
-0.0017	-0.0093	0.0151	-0.0061	0.0028	-0.0174	0.0328	0.0026	0.0060	0.0038	0.0200	-0.0055
-0.0059	0.0120	-0.0224	-0.0190	-0.0064	-0.0168	-0.0095	0.0028	0.0022	0.0011	-0.0311	-0.0097
-0.0175	0.0066	0.0068	0.0073	0.0147	0.0261	-0.0065	-0.0064	0.0176	-0.0005	0.0158	-0.0258
0.0043	-0.0135	-0.0078	-0.0072	-0.0037	-0.0106	0.0002	-0.0072	-0.0339	0.0010	-0.0107	-0.0246
-0.0004	-0.0175	-0.0046	0.0010	0.0145	0.0128	0.0010	-0.0010	-0.0128	0.0041	-0.0025	0.0004
-0.0090	-0.0129	0.0001	0.0088	-0.0011	-0.0019	0.0037	-0.0524	-0.0048	0.0074	0.0039	-0.0108
-0.0071	-0.0118	-0.0458	0.0076	-0.0097	0.0052	-0.0037	0.0091	-0.0111	0.0049	0.0021	-0.0163
-0.0104	-0.0230	0.0302	-0.0044	-0.0119	0.0057	0.0102	0.0015	-0.0066	0.0025	-0.0349	-0.0220
0.0037	-0.0127	0.0066	0.0050	-0.0002	0.0042	0.0023	0.0231	-0.0098	0.0019	-0.0226	-0.0230
-0.0035	0.0043	0.0234	0.0172	-0.0157	0.0077	-0.0330	-0.0086	0.0157	-0.0083	-0.0180	-0.0278
0.0070	-0.0043	0.0014	0.0016	-0.0188	0.0138	0.0139	-0.0182	-0.0114	0.0011	0.0248	-0.0082
-0.0027	0.0161	0.0009	0.0102	-0.0052	0.0059	-0.0093	-0.0085	0.0034	0.0294	0.0160	0.0162
-0.0003	0.0065	0.0000	-0.0081	-0.0013	-0.0235	-0.0198	-0.0160	0.0036	0.0189	-0.0072	-0.0070
0.0195	0.0011	-0.0023	-0.0093	0.0327	0.0247	0.0065	0.0050	0.0281	0.0975	-0.0054	0.0245
-0.0105	-0.0286	-0.0050	0.0120	-0.0299	-0.0125	0.0246	0.0172	0.0292	0.0788	-0.0110	0.0237
-0.0047	-0.0286	-0.0165	0.0066	0.0060	0.0018	0.0031	0.0037	0.0088	0.0079	-0.0106	0.0165
-0.0110	-0.0235	0.0023	-0.0135	-0.0054	-0.0061	-0.0010	-0.0093	-0.0039	0.0053	-0.0069	-0.0240
-0.0121	-0.0121	0.0008	-0.0175	-0.0041	0.0118	-0.1030	-0.2090	0.0640	0.0055	0.0041	-0.0131
0.0008	0.0255	-0.0109	-0.0129	0.0048	0.0084	-0.0086	0.0250	0.0054	-0.0094	-0.0217	0.0057
-0.0232	-0.0508	-0.0071	-0.0118	0.0132	0.0062	0.0196	-0.0306	0.0078	-0.0550	-0.0036	0.0167
-0.0038	-0.0149	-0.0104	-0.0230	-0.0129	0.0105	-0.0229	0.0135	0.0163	-0.0080	-0.0093	0.0086
0.0124	0.0142	0.0102	-0.0127	0.0171	-0.0051	-0.0095	0.0052	-0.0047	0.0240	0.0210	0.0028
-0.0181	-0.0134	-0.0008	0.0043	0.0168	0.0123	-0.0125	0.0057	-0.0146	-0.0072	0.0208	0.0043
0.0049	0.0228	0.0070	-0.0043	-0.0037	-0.0042	-0.0176	0.0042	0.0114	0.0101	0.0304	0.0188
-0.0195	-0.0007	-0.0025	0.0161	-0.0109	-0.0051	0.0054	0.0077	-0.0035	0.0186	-0.0211	0.0061
-0.0001	0.0097	-0.0010	0.0065	0.0249	0.0195	-0.0177	0.0138	-0.0008	0.0024	0.0082	0.0191
-0.0372	-0.0487	0.0372	0.0011	0.0171	0.0093	-0.0066	0.0059	-0.0038	-0.0154	0.0132	-0.0384
0.0025	0.0168	-0.0223	-0.0286	-0.0027	-0.0158	-0.0013	-0.0235	-0.0027	-0.0061	0.0052	0.0059
0.0205	0.0048	-0.0077	-0.0286	0.0276	-0.0144	0.0112	0.0247	0.0064	0.0404	-0.0323	0.0009

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
-0.0069	-0.0172	-0.0114	-0.0235	0.0064	-0.0211	-0.0094	-0.0125	0.0011	-0.0019	0.0067	-0.0148
		-0.0091	-0.0121	-0.0073	0.0051	0.0058	0.0018	0.0042	0.0249	0.0026	0.0178
		0.0006	0.0255	0.0022	0.0061	-0.0048	-0.0061	-0.0015	-0.0031	0.0025	0.0135
		-0.0252	-0.0508	-0.0064	-0.0003	-0.0034	0.0118	-0.0107	-0.0020	-0.0099	0.0050
		-0.0032	-0.0149	0.0048	-0.0047	0.0048	0.0084	-0.0086	-0.0195	-0.0318	0.0259
		0.0122	0.0142	-0.0095	-0.0150	0.0114	0.0062	0.0045	0.0044	0.0133	0.0032
		-0.0141	-0.0134	-0.0102	-0.0311	-0.0133	0.0105	0.0132	-0.0007	-0.0041	0.0018
		0.0048	0.0228	-0.0034	0.0014	0.0160	-0.0051	0.0082	0.0085	-0.0344	-0.0084
		-0.0183	-0.0007	-0.0113	0.0049	0.0166	0.0123	-0.0045	0.0070	0.0288	0.0087
		0.0001	0.0097	0.0042	0.0052	-0.0028	-0.0042	-0.0247	0.0094	0.0109	-0.0061
		-0.0360	-0.0487	0.0163	-0.0220	-0.0096	-0.0051	0.0107	-0.0007	-0.0225	-0.0190
		-0.0014	0.0168	0.0102	0.0063	0.0230	0.0195	-0.0173	0.0087	0.0058	0.0073
		0.0199	0.0048	0.0220	0.0129	0.0175	0.0093	-0.0034	0.0002	-0.0089	-0.0072
		-0.0023	-0.0172	0.0107	0.0083	-0.0032	-0.0158	-0.0010	-0.0343	-0.0056	0.0010
		-0.0008	0.0017	-0.0269	0.0053	0.0271	-0.0144	0.0215	0.0185	0.0013	0.0088
		0.0184	-0.0255	0.0051	0.0084	0.0083	-0.0211	0.0146	0.0094	0.0048	0.0249
		-0.0170	0.0083	0.0013	0.0162	-0.0070	0.0051	-0.0061	0.0012	-0.0021	-0.0031
		-0.0241	-0.0230	0.0012	0.0167	0.0022	0.0061	0.0151	0.0125	-0.0106	-0.0020
		-0.0014	-0.0027	0.0028	0.0131	-0.0071	-0.0003	-0.0314	-0.0437	-0.0075	-0.0195
		0.0218	0.0070	0.0091	0.0079	0.0053	-0.0047	-0.0151	-0.0315	0.0038	0.0044
		-0.0194	0.0359	-0.0054	0.0053	-0.0082	-0.0150	0.0210	0.0009	0.0137	-0.0007
		-0.0098	-0.0195	-0.0065	0.0228	-0.0093	-0.0311	0.0163	0.0118	0.0081	0.0085
		0.0036	-0.0174	0.0074	0.0028	-0.0985	0.0014	-0.0084	-0.0275	-0.0033	0.0070
		-0.0052	-0.0168	0.0133	0.0127	0.0927	0.0049	-0.1274	-0.0003	-0.0239	0.0094
		0.0180	0.0261	-0.0141	-0.0051	0.0033	0.0052	0.2189	0.0524	0.0101	-0.0007
		-0.0045	-0.0106	0.0132	0.0145	0.0160	-0.0220	-0.0128	0.0005	-0.0159	0.0087
		0.0146	0.0128	0.0011	-0.0079	0.0087	0.0063	0.0029	0.0101	-0.0034	0.0002
		-0.0046	-0.0019	0.0023	0.0021	0.0197	0.0129	0.0150	0.0049	-0.0016	-0.0343
		-0.0085	0.0052	0.0456	-0.0439	0.0099	0.0083	-0.0128	-0.0314	0.0213	0.0185
		-0.0170	0.0057	-0.0082	0.0056	-0.0233	0.0053	-0.0026	0.0055	0.0133	0.0094
		-0.0177	0.0119	0.0169	0.0035	0.0037	0.0084	0.0007	-0.0313	-0.0055	0.0012
		-0.0200	0.0138	0.0062	-0.0094	0.0000	0.0162	0.0013	-0.0095	0.0151	0.0125
		0.0586	0.0375	0.0058	-0.0178	-0.0002	0.0167	0.0018	-0.0275	-0.0306	-0.0437
		0.0283	-0.0144	0.0001	-0.0190	0.0059	0.0131	-0.0141	-0.0039	-0.0145	-0.0315
				0.0039	-0.0193	0.0096	0.0079	0.0010	-0.0117	0.0190	0.0009
				0.0141	-0.0080	-0.0040	0.0053	0.0119	-0.0028	0.0156	0.0118
				-0.0058	0.0240	-0.0064	0.0228	-0.0068	0.0012	-0.0084	-0.0275
				-0.0127	-0.0072	0.0092	0.0028	0.0048	-0.0043	-0.1534	-0.0003
				0.0099	0.0101	0.0110	0.0127	0.0172	-0.0072	0.2558	0.0524
				-0.0026	0.0186	-0.0107	-0.0051	-0.0142	0.0372	-0.0106	0.0005
				0.0005	0.0024	0.0090	0.0145	0.0065	-0.0092	0.0029	0.0101
				-0.0062	-0.0154	0.0011	-0.0079	0.0015	0.0407	0.0149	0.0049
				0.0003	-0.0061	-0.0021	0.0021	-0.0062	-0.0018	-0.0105	-0.0314
						0.0482	-0.0439	0.0034	0.0130	-0.0026	0.0055
						-0.0087	0.0056	0.0013	0.0030	0.0002	-0.0313
						0.0166	0.0035	-0.0047	-0.0216	0.0018	-0.0095
						0.0061	-0.0094	-0.0003	0.0163	0.0023	-0.0275
						0.0057	-0.0178	-0.0052	-0.0063	-0.0128	-0.0039

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
						0.0001	-0.0190	-0.0034	-0.0034	-0.0007	-0.0117
						0.0033	-0.0193	-0.0024	0.0125	0.0123	-0.0028
						0.0146	-0.0080	-0.0251	0.0107	-0.0084	0.0012
						-0.0055	0.0240	0.0237	0.0004	0.0069	-0.0043
						-0.0148	-0.0072	0.0024	0.0226	0.0164	-0.0072
						0.0116	0.0101	0.0079	-0.0412	-0.0130	0.0372
						-0.0024	0.0186	-0.0023	0.0248	0.0064	-0.0092
						0.0005	0.0024	-0.0072	-0.0080	0.0020	0.0407
						-0.0062	-0.0154	-0.0128	0.0023	-0.0045	-0.0018
						-0.0045	-0.0061	0.0170	-0.0025	0.0039	0.0130
						0.0052	0.0404	0.0009	-0.0355	0.0013	0.0030
						0.0011	-0.0019	-0.0024	-0.0109	-0.0052	-0.0216
						0.0049	0.0249	0.0073	0.0009	0.0003	0.0163
						-0.0021	-0.0031	0.0168	-0.0010	-0.0035	-0.0063
						-0.0126	-0.0020	0.0010	-0.0037	-0.0039	-0.0034
						-0.0103	-0.0195	0.0056	-0.0027	-0.0018	0.0125
						0.0065	0.0044	0.0033	0.0034	-0.0252	0.0107
						0.0140	-0.0007	0.0170	-0.0052	0.0245	0.0004
						0.0047	0.0085	0.0172	-0.0429	0.0008	0.0226
						-0.0046	0.0070	0.0115	0.0025	0.0083	-0.0412
						-0.0263	0.0094	-0.0038	0.0084	-0.0033	0.0248
						0.0102	-0.0007	-0.0044	0.0050	-0.0065	-0.0080
						-0.0182	0.0087	-0.0022	-0.0094	-0.0098	0.0023
						-0.0047	0.0002	0.0153	0.0269	0.0168	-0.0025
						-0.0010	-0.0343	-0.0023	-0.0019	0.0009	-0.0355
						0.0264	0.0185	0.0124	0.0006	-0.0024	-0.0109
						0.0124	0.0094	0.0065	0.0173	0.0066	0.0009
						-0.0067	0.0012	-0.0215	0.0408	0.0115	-0.0010
						0.0147	0.0125	-0.0012	-0.0729	-0.0002	-0.0037
						-0.0273	-0.0437	0.0096	0.0016	0.0044	-0.0027
						-0.0146	-0.0315	0.0026	-0.0154	0.0032	0.0034
						0.0189	0.0009	0.0129	-0.0365	0.0104	-0.0052
						0.0183	0.0118			0.0156	-0.0429
						-0.0102	-0.0275			0.0115	0.0025
						-0.0941	-0.0003			-0.0027	0.0084
						0.1930	0.0524			-0.0044	0.0050
						-0.0128	0.0005			0.0004	-0.0094
						0.0007	0.0101			0.0116	0.0269
						0.0151	0.0049			-0.0038	-0.0019
						-0.0145	-0.0314			0.0123	0.0006
						-0.0026	0.0055			0.0070	0.0173
						-0.0004	-0.0313			-0.0215	0.0408
						0.0029	-0.0095			-0.0012	-0.0729
						0.0018	-0.0275			0.0095	0.0016
						-0.0142	-0.0039			0.0026	-0.0154
						0.0010	-0.0117			0.0129	-0.0365
						0.0119	-0.0028			-0.0082	0.0151
						-0.0068	0.0012			-0.0135	0.0119

Januari		Maret		Mei		Juli		September		November	
Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao	Return Futures Kopi	Return Spot Kakao
						0.0048	-0.0043			-0.0084	0.0097
										0.0176	0.0085
										-0.0007	0.0008
										0.0143	-0.0741
										0.0059	0.0059
										0.0095	-0.0093
										-0.0030	0.0251
										0.0053	0.0101
										0.0177	-0.0128
										0.0168	0.0007
										-0.0099	0.0107
										-0.0014	-0.0014
										0.0133	0.0055
										0.0013	-0.0105
										0.0100	0.0111
										0.0024	0.0169
										0.0088	-0.0140
										0.0081	0.0105
										0.0182	-0.0100
										-0.0092	-0.0150
										0.0051	0.0050
										0.0037	0.0023
										0.0113	-0.0553
										0.0024	-0.0406
										-0.0473	0.0043
										0.0254	-0.0103
										-0.0149	0.0059
										-0.0183	0.0021
										0.0268	-0.0311
										0.0269	-0.0063
										0.0097	0.0028
										0.0064	0.0017
										-0.0087	0.0260
										-0.0392	0.0019
										0.0096	0.0081
										-0.0190	0.0045
										-0.0145	0.0022
										0.0048	-0.0192
										0.0236	-0.0004
										-0.0252	0.0075

Sumber: Output Ms. Excel 2016

Lampiran 17
Varians Return Hedging Kakao Futures dan Cross Hedging Kopi Robusta

No.	Bulan Kotrak	Varian Return Cross Hedge Kopi Robusta Futures	Bulan Kotrak	Varian Return Hedge Kakao Futures
1	Jan'12	0.001372931	Mar'12	0.000210077
2	Jan'13	0.024987273	Mar'13	0.000111149
3	Jan'14	0.001227811	Mar'14	0.000166211
4	Jan'15	0.025378982	Mar'15	0.018237170
5	Jan'16	0.000696663	Mar'16	0.000088974
6	Mar'12	0.001855003	Mei'12	0.000536242
7	Mar'13	0.000631969	Mei'13	0.000122579
8	Mar'14	0.015132197	Mei'14	0.000054419
9	Mar'15	0.000613500	Mei'15	0.000049469
10	Mar'16	0.000910682	Mei'16	0.000079546
11	Mei'12	0.002172649	Jul'12	0.000399410
12	Mei'13	0.000524323	Jul'13	0.000070525
13	Mei'14	0.000970389	Jul'14	0.004174884
14	Mei'15	0.000729655	Jul'15	0.003678480
15	Mei'16	0.000710744	Jul'16	0.000074669
16	Jul'12	0.008151790	Sep'12	0.000291628
17	Jul'13	0.008346719	Sep'13	0.000126289
18	Jul'14	0.000633468	Sep'14	0.000033311
19	Jul'15	0.002629703	Sep'15	0.004229761
20	Jul'16	0.001968952	Sep'16	0.000052912
21	Sep'12	0.001131967	Des'12	0.000121255
22	Sep'13	0.000801323	Des'13	0.000160440
23	Sep'14	0.000729335	Des'14	0.023834519
24	Sep'15	0.003333594	Des'15	0.000091070
25	Sep'16	0.002369117	Des'16	0.000142544
26	Nov'12	0.000861677		
27	Nov'13	0.001171212		
28	Nov'14	0.027584949		
29	Nov'15	0.000839568		
30	Nov'16	0.002715881		

Sumber: Output Ms. Excel 2016