

BAB V

PENUTUP

5.1 Kesimpulan

Berdasarkan hasil penelitian dan analisis mengenai pengaruh sektor pertanian terhadap perekonomian di Daerah Istimewa Yogyakarta tahun 2011 – 2018, diperoleh kesimpulan sebagai berikut:

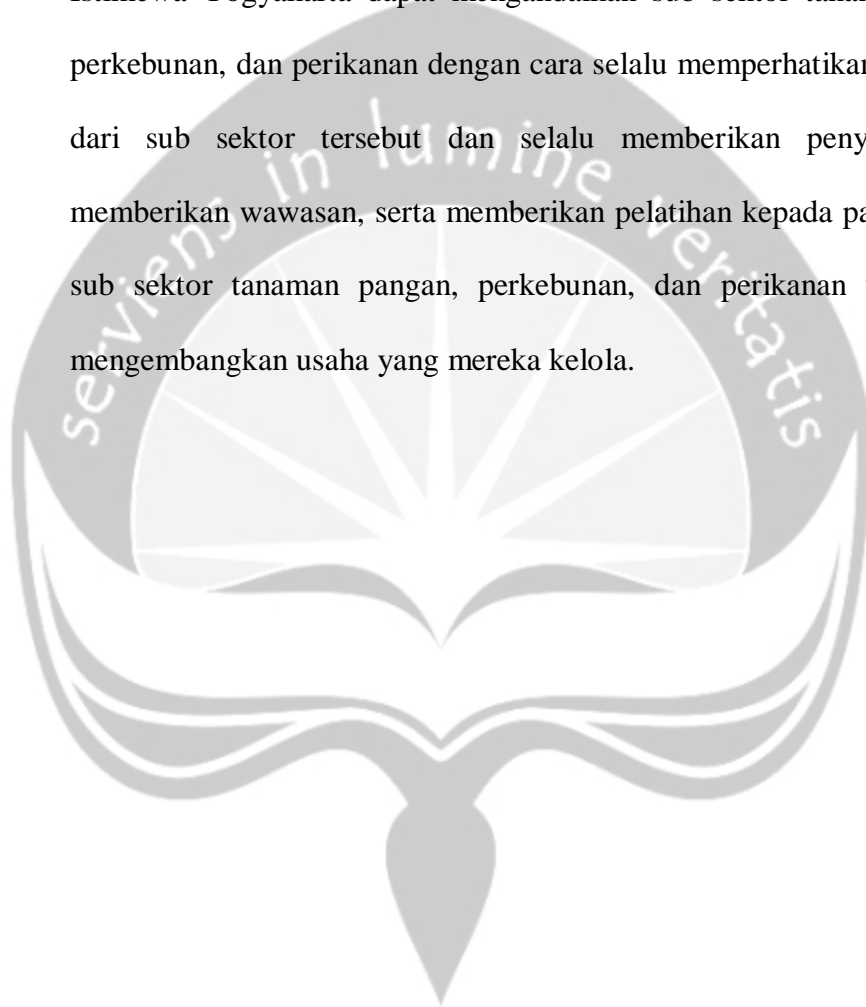
1. Sektor pertanian dan jumlah penduduk berpengaruh positif dan signifikan terhadap perekonomian di Daerah Istimewa Yogyakarta.
2. Sub sektor pertanian di kabupaten/kota berpengaruh positif dan signifikan terhadap perekonomian di Daerah Istimewa Yogyakarta.

5.2 Saran

Berdasarkan kesimpulan di atas maka dapat dirumuskan beberapa saran sebagai berikut:

1. Penelitian ini telah menunjukkan bahwa sektor pertanian dapat berpengaruh terhadap perekonomian di Daerah Istimewa Yogyakarta. Maka dari itu pemerintah Daerah Istimewa Yogyakarta dapat mengandalkan sektor pertanian yang menjadi basis dengan cara harus selalu memberikan penyuluhan dan memberikan wawasan, serta memberikan pelatihan kepada para petani untuk dapat mengembangkan usaha yang mereka kelola.

2. Selain sektor pertanian, sub sektor tanaman pangan, perkebunan, perikanan, peternakan, dan kehutanan berpengaruh terhadap pertumbuhan Produk Domestik Regional Bruto. Maka dari itu pemerintah Daerah Istimewa Yogyakarta dapat mengandalkan sub sektor tanaman pangan, perkebunan, dan perikanan dengan cara selalu memperhatikan kontribusi dari sub sektor tersebut dan selalu memberikan penyuluhan dan memberikan wawasan, serta memberikan pelatihan kepada para pelaku di sub sektor tanaman pangan, perkebunan, dan perikanan untuk dapat mengembangkan usaha yang mereka kelola.



DAFTAR PUSTAKA

1. Untuk Buku

Arsyad, Lincolin., (2010), *Ekonomi Pembangunan*, edisi 5, UPP STIM YKPN, Yogyakarta.

Arsyad, Lincolin., (1999), *Pengantar Perencanaan dan Pembangunan Ekonomi Daerah*, BPFE, Yogyakarta.

Arsyad Lincolin., (1992), *Ekonomi Pembangunan*, BPFE, Yogyakarta.

Boediono., (2009), *Teori Pertumbuhan Ekonomi*, BPFE, Yogyakarta.

Daniel, Moehar., (2004), *Pengantar Ekonomi Pertanian*, Jakarta: PT Bumi Aksara.

Gujarati, D.N., (2003), *Dasar-dasar Ekonometrika*, Salemba Empat, buku 2, Edisi 5, Jakarta.

Irawan., (2003), *Ekonomi Pembangunan*, BPFE, Yogyakarta.

Kuznets, S., (1964), *Economic Growth and Income Inequality*, *American Economic Review*.

Jhingan, M.L., (2003), *Teori Pertumbuhan Ekonomi*, Jakarta: PT Raja Grafindo Persada.

Muyarto., (2009), *Pengantar Ekonomi Pertanian*, Jakarta: LP3ES.

Soekartawi., (2003), *Teori Ekonomi Produksi*, Jakarta: Raja Grafindo Persada.

Sumodiningrat., (1999), *Pengantar Statistika*, Jakarta: Penerbit Andi.

Suparmoko., (2003), *Ekonomika Pembangunan*, Edisi keenam, Yogyakarta: BPFE, UGM.

Sukirno, Sadono., (1996), *Pengantar Teori Makro Ekonomi*, Jakarta: PT Raja Grafindo Persada.

Sukirno, Sadono., (2007), *Makro Ekonomi Modern*, Jakarta: PT Raja Grafindo Persada.

Suryana., (2000), *Ekonomi Pembangunan (Problematika dan Pendekatan)*, Bandung, Salemba Empat.

Tarigan, Robinson., (2005), *Ekonomi Regional: Teori dan Aplikasi*, Edisi Revisi, Bumi Aksara, Jakarta.

Todaro, Michael P., (2001), *Pembangunan Ekonomi Di Dunia Ketiga*, Jakarta: Erlangga.

Todaro, Michael P & Smith, Stephen C., (2006), *Pembangunan Ekonomi*, Edisi ke 9, Erlangga, Jakarta.

Widarjono, Agus., (2013), “*Ekonometriks: Pengantar dan Aplikasinya*”, Edisi keempat, UPT STIM YKPN, Yogyakarta.

Widodo, Tri., (2006), *Perencanaan Pembangunan*, Aplikasi Komputer (Era Otonomi Daerah) UUP STIM YKPN. Yogyakarta.

2. Untuk referensi yang diakses internet

Badan Perencanaan Pembangunan Nasional., (2013)., “Tata Cara Perencanaan Pengembangan Kawasan Untuk Percepatan Pembangunan Daerah”, diakses dari <https://bappenas.go.id> pada tanggal 11 September 2019.

Badan Pusat Statistik Provinsi D.I. Yogyakarta., (2018)., “Produk Domestik Regional Bruto Sektor Pertanian Atas Dasar Harga Konstan 2010 Tahun 2011 – 2018”, diakses dari <https://bps.go.id> pada tanggal 11 September 2019.

Badan Pusat Statistik Provinsi D.I. Yogyakarta., (2018)., “Kontribusi Sektor Pertanian Tahun 2018”, diakses dari <https://bps.go.id> pada tanggal 12 September 2019.

Badan Pusat Statistik Provinsi D.I. Yogyakarta., (2018)., “Produk Domestik Regional Bruto Sub Sektor Pertanian Atas Dasar Harga Konstan 2010 Tahun 2011 – 2018”, diakses dari <https://bps.go.id> pada tanggal 12 September 2019.

Badan Pusat Statistik Kabupaten Sleman., (2018)., “Produk Domestik Regional Bruto dan Pertumbuhan Sektor Pertanian Tahun 2011 – 2018”, diakses dari <https://slemankab.bps.go.id> pada tanggal 14 November 2019.

Badan Pusat Statistik Kabupaten Gunung Kidul., (2018)., “Produk Domestik Regional Bruto dan Pertumbuhan Sektor Pertanian Tahun 2011 – 2018”, diakses dari <https://gunungkidulkab.bps.go.id> pada tanggal 14 November 2019.

Badan Pusat Statistik Kabupaten Bantul., (2018)., “Produk Domestik Regional Bruto dan Pertumbuhan Sektor Pertanian Tahun 2011 – 2018”, diakses dari <https://bantulkab.bps.go.id> pada tanggal 15 November 2019.

Badan Pusat Statistik Kabupaten Kulon Progo., (2018)., “Produk Domestik Regional Bruto dan Pertumbuhan Sektor Pertanian Tahun 2011 – 2018”, diakses dari <https://kulonprogokab.bps.go.id> pada tanggal 15 November 2019.

Badan Pusat Statistik Kota Yogyakarta., (2018)., “Produk Domestik Regional Bruto dan Pertumbuhan Sektor Pertanian Tahun 2011 – 2018”, diakses dari <https://jogjakotakab.bps.go.id> pada tanggal 15 November 2019.

3. *Untuk Jurnal*

Fafurida., (2009), *Perencanaan Pengembangan Sektor Pertanian Sub Sektor Tanaman Pangan di Kabupaten Kulon Progo*, Jurnal, Fakultas Ekonomi, Universitas Negeri Semarang.

Kurniawan, Sudarti, dan Arifin., (2017), *Analisis Potensi Struktur Ekonomi Unggulan Dan Daya Saing Sub Sektor Pertanian Di Kota Batu Tahun 2011-2015*, Jurnal Ilmu Ekonomi, Fakultas Ekonomi, Universitas Merdeka Malang.

Sumbodo, B. Tresno., (2005), *Peranan Sektor Pertanian Dalam Struktur Perekonomian Di Provinsi Daerah Istimewa Yogyakarta*, Jurnal, Fakultas Pertanian, Universitas Janabadra.

Thohir, Shofwan., (2013), *Analisis Sektor Pertanian Dalam Struktur Perekonomian Di Kabupaten Kulon Progo*, Jurnal, Fakultas Ekonomi, Universitas Negeri Semarang.



LAMPIRAN

*Lampiran 1.***PDRB Sektor Pertanian Atas Dasar Harga Konstan 2010 Provinsi D.I. Yogyakarta Tahun 2000 - 2018 (Dalam Jutaan Rupiah)**

Lapangan Usaha	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
A. Pertanian	901.380	889.901	865.775	2.947.346	3.054.432	3.185.771	3.306.928	3.333.382	3.519.768	3.642.696	3.617.081	3.555.797	7.500.728	7.670.026	7.506.980	7.703.978	7.779.801	7.930.182	8.101.333
B. Pertambangan & Penggalian	60.555	60.917	61.018	119.433	120.441	122.332	126.137	138.358	144.772	138.740	139.957	156.711	443.627	461.014	470.735	471.323	473.298	489.349	541.183
C. Industri Pengolahan	664.115	677.486	704.400	2.325.236	2.394.337	2.463.230	2.481.167	2.528.020	2.566.422	2.610.760	2.793.580	2.983.167	9.435.888	10.084.213	10.469.637	10.652.525	11.234.472	11.878.962	12.478.015
D. Listrik, Gas dan Air Bersih	38.128	39.004	40.547	135.379	144.845	153.115	152.467	165.772	174.993	185.599	193.027	201.243	110.270	116.969	121.268	119.663	145.088	150.940	155.863
E. Konstruksi	400.859	350.748	455.046	1.178.024	1.284.471	1.395.079	1.580.312	1.732.945	1.838.429	1.923.720	2.040.306	2.187.805	6.772.476	7.106.855	7.508.543	7.826.701	8.250.608	8.830.612	9.987.059
F. Perdagangan, Hotel & Restoran	791.621	847.156	870.986	3.099.803	3.285.591	3.444.828	3.569.622	3.750.365	3.965.384	4.162.116	4.373.581	4.611.402	5.878.432	6.187.855	6.540.108	6.944.903	7.366.324	7.787.488	8.219.289
G. Pengangkutan & Komunikasi	609.593	672.922	706.728	1.437.072	1.582.194	1.673.352	1.761.672	1.875.307	1.999.332	2.128.594	2.245.696	2.430.696	7.503.158	7.969.970	8.458.713	8.891.145	9.630.639	10.222.383	10.884.532
H. Keuangan, Persewaan dan Jasa Perusahaan	524.512	543.471	603.889	1.408.894	1.507.895	1.623.210	1.591.885	1.695.163	1.790.556	1.903.411	2.053.162	2.185.221	2.341.598	2.610.919	2.826.934	2.891.145	3.213.478	3.303.797	3.506.687
I. Jasa-jasa	1.026.947	1.402.764	1.086.665	2.710.091	2.775.857	2.849.959	2.965.164	3.072.200	3.209.341	3.368.614	3.585.598	3.817.665	1.919.689	2.012.931	2.119.326	2.288.950	2.419.533	2.558.881	2.593.233
PDRB	5.017.709	5.124.730	5.395.054	15.361.277	16.150.064	16.910.877	17.535.354	18.291.512	19.208.938	20.064.257	21.042.267	22.129.707	71.702.449	75.627.450	79.532.277	83.461.574	87.685.809	92.302.022	98.026.563

Sumber: Badan Pusat Statistik Provinsi D.I. Yogyakarta, 2018

Lampiran 2.**Regresi Common Effect Model**

Dependent Variable: Y

Method: Panel Least Squares

Date: 02/10/20 Time: 10:59

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (unbalanced) observations: 94

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	24.21705	4.220432	5.738049	0.0000
SPP	0.046686	0.201117	0.232133	0.8170
JP	0.731467	0.140543	5.204561	0.0000
R-squared	0.281905	Mean dependent var		39.98170
Adjusted R-squared	0.266122	S.D. dependent var		10.48925
S.E. of regression	8.985787	Akaike info criterion		7.260560
Sum squared resid	7347.737	Schwarz criterion		7.341729
Log likelihood	-338.2463	Hannan-Quinn criter.		7.293346
F-statistic	17.86206	Durbin-Watson stat		0.012700
Prob(F-statistic)	0.000000			

Lampiran 3**Regresi Fixed Effect Model**

Dependent Variable: Y

Method: Panel Least Squares

Date: 02/10/20 Time: 11:00

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (unbalanced) observations: 94

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-18.28392	6.861708	-2.664631	0.0092
SPP	1.579923	0.098272	16.07701	0.0000
JP	1.118338	0.315554	3.544047	0.0006

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.953629	Mean dependent var	39.98170
Adjusted R-squared	0.950432	S.D. dependent var	10.48925
S.E. of regression	2.335323	Akaike info criterion	4.605727
Sum squared resid	474.4749	Schwarz criterion	4.795122
Log likelihood	-209.4692	Hannan-Quinn criter.	4.682229
F-statistic	298.1988	Durbin-Watson stat	0.284401
Prob(F-statistic)	0.000000		

Lampiran 4**Regresi Uji Chow**

Redundant Fixed Effects Tests

Equation: Untitled

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	315.071319	(4,87)	0.0000
Cross-section Chi-square	257.554249	4	0.0000

Cross-section fixed effects test equation:

Dependent Variable: Y

Method: Panel Least Squares

Date: 02/10/20 Time: 11:01

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (unbalanced) observations: 94

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	24.21705	4.220432	5.738049	0.0000
SPP	0.046686	0.201117	0.232133	0.8170
JP	0.731467	0.140543	5.204561	0.0000

R-squared	0.281905	Mean dependent var	39.98170
Adjusted R-squared	0.266122	S.D. dependent var	10.48925
S.E. of regression	8.985787	Akaike info criterion	7.260560
Sum squared resid	7347.737	Schwarz criterion	7.341729
Log likelihood	-338.2463	Hannan-Quinn criter.	7.293346
F-statistic	17.86206	Durbin-Watson stat	0.012700
Prob(F-statistic)	0.000000		

Lampiran 5**Regresi Random Effect Model**

Dependent Variable: Y
 Method: Panel EGLS (Cross-section random effects)
 Date: 02/10/20 Time: 11:01
 Sample: 2000 2018
 Periods included: 19
 Cross-sections included: 5
 Total panel (unbalanced) observations: 94
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-14.60522	8.124268	-1.797727	0.0755
SPP	1.560814	0.097786	15.96150	0.0000
JP	0.965594	0.287648	3.356861	0.0012
Effects Specification				
			S.D.	Rho
Cross-section random			11.57911	0.9609
Idiosyncratic random			2.335323	0.0391
Weighted Statistics				
R-squared	0.738368	Mean dependent var	1.859149	
Adjusted R-squared	0.732618	S.D. dependent var	4.563797	
S.E. of regression	2.359542	Sum squared resid	506.6371	
F-statistic	128.4085	Durbin-Watson stat	0.262303	
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	-0.426264	Mean dependent var	39.98170	
Sum squared resid	14593.90	Durbin-Watson stat	0.009106	

Lampiran 6

Regresi Uji Hausman

Correlated Random Effects - Hausman Test

Equation: Untitled

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	3.884748	2	0.1434

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
SPP	1.579923	1.560814	0.000095	0.0503
JP	1.118338	0.965594	0.016833	0.2391

Cross-section random effects test equation:

Dependent Variable: Y

Method: Panel Least Squares

Date: 02/10/20 Time: 11:02

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (unbalanced) observations: 94

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-18.28392	6.861708	-2.664631	0.0092
SPP	1.579923	0.098272	16.07701	0.0000
JP	1.118338	0.315554	3.544047	0.0006

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.953629	Mean dependent var	39.98170
Adjusted R-squared	0.950432	S.D. dependent var	10.48925
S.E. of regression	2.335323	Akaike info criterion	4.605727
Sum squared resid	474.4749	Schwarz criterion	4.795122
Log likelihood	-209.4692	Hannan-Quinn criter.	4.682229
F-statistic	298.1988	Durbin-Watson stat	0.284401
Prob(F-statistic)	0.000000		

Lampiran 7**Regresi Common Effect Sub Sektor Pertanian**

Dependent Variable: Y

Method: Panel Least Squares

Date: 01/19/20 Time: 21:10

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (balanced) observations: 95

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	9.003394	0.597907	15.05817	0.0000
TP	0.247678	0.085599	2.893472	0.0048
PB	0.970112	0.168237	5.766342	0.0000
PI	-0.004758	0.080893	-0.058820	0.9532
PT	-0.048907	0.178455	-0.274055	0.7847
KH	-0.863131	0.128518	-6.716057	0.0000
R-squared	0.518146	Mean dependent var		11.60642
Adjusted R-squared	0.491075	S.D. dependent var		0.694103
S.E. of regression	0.495166	Akaike info criterion		1.493227
Sum squared resid	21.82182	Schwarz criterion		1.654524
Log likelihood	-64.92826	Hannan-Quinn criter.		1.558403
F-statistic	19.14063	Durbin-Watson stat		0.390311
Prob(F-statistic)	0.000000			

Lampiran 8**Regresi Fixed Effect Model**

Dependent Variable: Y

Method: Panel Least Squares

Date: 01/19/20 Time: 21:10

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (balanced) observations: 95

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	10.04161	0.469842	21.37232	0.0000
TP	0.637818	0.114175	5.586313	0.0000
PT	0.424531	0.221201	1.919210	0.0583
PI	0.360768	0.140234	2.572620	0.0118
PB	-0.421140	0.210560	-2.000098	0.0487
KH	-0.858317	0.154228	-5.565253	0.0000

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.766332	Mean dependent var	11.60642
Adjusted R-squared	0.741591	S.D. dependent var	0.694103
S.E. of regression	0.352840	Akaike info criterion	0.853696
Sum squared resid	10.58216	Schwarz criterion	1.122525
Log likelihood	-30.55057	Hannan-Quinn criter.	0.962323
F-statistic	30.97379	Durbin-Watson stat	0.677814
Prob(F-statistic)	0.000000		

Lampiran 9**Regresi Uji Chow**

Redundant Fixed Effects Tests

Equation: Untitled

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	22.570322	(4,85)	0.0000
Cross-section Chi-square	68.755376	4	0.0000

Cross-section fixed effects test equation:

Dependent Variable: Y

Method: Panel Least Squares

Date: 01/19/20 Time: 21:11

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (balanced) observations: 95

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	9.003394	0.597907	15.05817	0.0000
TP	0.247678	0.085599	2.893472	0.0048
PT	-0.048907	0.178455	-0.274055	0.7847
PI	-0.004758	0.080893	-0.058820	0.9532
PB	0.970112	0.168237	5.766342	0.0000
KH	-0.863131	0.128518	-6.716057	0.0000

R-squared	0.518146	Mean dependent var	11.60642
Adjusted R-squared	0.491075	S.D. dependent var	0.694103
S.E. of regression	0.495166	Akaike info criterion	1.493227
Sum squared resid	21.82182	Schwarz criterion	1.654524
Log likelihood	-64.92826	Hannan-Quinn criter.	1.558403
F-statistic	19.14063	Durbin-Watson stat	0.390311
Prob(F-statistic)	0.000000		

Lampiran 10**Regresi Random Effect Model**

Dependent Variable: Y
 Method: Panel EGLS (Period random effects)
 Date: 01/19/20 Time: 21:12
 Sample: 2000 2018
 Periods included: 19
 Cross-sections included: 5
 Total panel (balanced) observations: 95
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	9.003394	0.542096	16.60849	0.0000
TP	0.247678	0.077609	3.191370	0.0020
PT	-0.048907	0.161797	-0.302270	0.7632
PI	-0.004758	0.073342	-0.064876	0.9484
PB	0.970112	0.152533	6.360017	0.0000
KH	-0.863131	0.116521	-7.407510	0.0000
Effects Specification				
			S.D.	Rho
Cross-section random			0.000000	0.0000
Idiosyncratic random			0.448945	1.0000
Weighted Statistics				
R-squared	0.518146	Mean dependent var		11.60642
Adjusted R-squared	0.491075	S.D. dependent var		0.694103
S.E. of regression	0.495166	Sum squared resid		21.82182
F-statistic	19.14063	Durbin-Watson stat		0.390311
Prob(F-statistic)	0.000000			
Unweighted Statistics				
R-squared	0.518146	Mean dependent var		11.60642
Sum squared resid	21.82182	Durbin-Watson stat		0.390311

Lampiran 11**Regresi Uji Hausman**

Correlated Random Effects - Hausman Test

Equation: Untitled

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	33.246690	5	0.0000

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
TP	0.052995	0.247678	0.001245	0.0000
PT	0.124266	-0.048907	0.002406	0.0004
PI	-0.161267	-0.004758	0.000941	0.0000
PB	0.891749	0.970112	0.005665	0.2978
KH	-0.875434	-0.863131	0.003501	0.8353

Cross-section random effects test equation:

Dependent Variable: Y

Method: Panel Least Squares

Date: 01/19/20 Time: 21:12

Sample: 2000 2018

Periods included: 19

Cross-sections included: 5

Total panel (balanced) observations: 95

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	10.53067	0.607327	17.33936	0.0000
TP	0.052995	0.085256	0.621599	0.5362
PT	0.124266	0.169071	0.734997	0.4648
PI	-0.161267	0.079500	-2.028518	0.0463
PB	0.891749	0.170091	5.242762	0.0000
KH	-0.875434	0.130685	-6.698802	0.0000

Effects Specification

Cross-fixed (dummy variables)

R-squared	0.684014	Mean dependent var	11.60642
Adjusted R-squared	0.581652	S.D. dependent var	0.694103
S.E. of regression	0.448945	Akaike info criterion	1.450231
Sum squared resid	14.31013	Schwarz criterion	2.095421
Log likelihood	-44.88599	Hannan-Quinn criter.	1.710936
F-statistic	6.682313	Durbin-Watson stat	0.453809
Prob(F-statistic)	0.000000		