

BAB V

PENUTUP

5.1. Kesimpulan

Berdasarkan penelitian yang telah dilakukan mengenai pengaruh pengungkapan risiko terhadap efisiensi investasi perusahaan sektor manufaktur yang terdaftar di Bursa Efek Indonesia tahun 2017 hingga 2019, dapat disimpulkan bahwa pengungkapan risiko tidak berpengaruh terhadap efisiensi investasi perusahaan. Tidak berpengaruhnya pengungkapan risiko terhadap efisiensi investasi perusahaan manufaktur di Indonesia dapat disebabkan oleh adanya peraturan yang mewajibkan adanya pengungkapan mengenai manajemen risiko dan informasi risiko perusahaan pada laporan tahunan perusahaan di Indonesia. Adanya kewajiban ini membuat perusahaan cenderung lebih fokus pada pemenuhan persyaratan regulasi dalam mengungkapkan risiko sehingga tidak berpengaruh secara langsung terhadap efisiensi investasi perusahaan.

5.2. Keterbatasan dan Saran

Penelitian ini mengandung unsur subjektivitas karena menggunakan metode *content analysis* dalam mengukur variabel pengungkapan risiko. Proses identifikasi konteks risiko pada laporan tahunan juga terbatas hanya pada penggunaan kata kunci pada tiap indikator. Ini dapat menyebabkan keterbatasan dalam mengidentifikasi konteks risiko secara menyeluruh. Selain itu, terdapat data laporan tahunan dan keuangan yang sulit diakses oleh peneliti juga menjadi faktor yang perlu diperhatikan. Berdasarkan nilai koefisien determinasi yang diperoleh dari penelitian ini, penelitian selanjutnya disarankan untuk mempertimbangkan

penambahan variabel lain yang memiliki potensi untuk mempengaruhi efisiensi investasi, seperti kualitas pelaporan keuangan dan tata kelola keuangan.



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LAMPIRAN

LAMPIRAN I

DAFTAR PERUSAHAAN MANUFAKTUR (SEBELUM *PURPOSIVE SAMPLING*)

KODE	NAMA PERUSAHAAN	2017	2018	2019
INTP	PT Indocement Tunggal Prakarsa Tbk	✓	✓	✓
SMBR	PT Semen Baturaja (Persero) Tbk	✓	✓	✓
SMCB	PT Solusi Bangun Indonesia Tbk	✓	✓	✓
SMGR	PT Semen Indonesia (Persero) Tbk	✓	✓	✓
WSBP	PT Waskita Beton Precast Tbk	✓	✓	✓
WTON	PT Wijaya Karya Beton Tbk	✓	✓	✓
AMFG	PT Asahimas Flat Glass Tbk	✓	✓	✓
ARNA	PT Arwana Citramulia Tbk	✓	✓	✓
CAKK	PT Cahayaputra Asa Keramik Tbk		✓	✓
IKAI	PT Intikeramik Alamasri Industri Tbk	✓	✓	✓
KIAS	PT Keramika Indonesia Assosiasi Tbk	✓	✓	✓
MARK	PT Mark Dynamics Indonesia Tbk	✓	✓	✓
MLIA	PT Mulia Industrindo Tbk	✓	✓	✓
TOTO	PT Surya Toto Indonesia Tbk	✓	✓	✓
ALKA	PT Alakasa Industrindo Tbk	✓	✓	✓
ALMI	PT Alumindo Light Metal Industry Tbk	✓	✓	✓
BAJA	PT Saranacentral Bajatama Tbk	✓	✓	✓
BTON	PT Betonjaya Manunggal Tbk	✓	✓	✓
CTBN	PT Citra Tubindo Tbk	✓	✓	✓
GDST	PT Gunawan Dianjaya Steel Tbk	✓	✓	✓
INAI	PT Indal Aluminium Industry Tbk	✓	✓	✓
ISSP	PT Steel Pipe Industry of Indonesia Tbk	✓	✓	✓
JKSW	PT Jakarta Kyoei Steel Works Tbk	✓	✓	✓
KRAS	PT Krakatau Steel (Persero) Tbk	✓	✓	✓
LION	PT Lion Metal Works Tbk	✓	✓	✓
LMSH	PT Lionmesh Prima Tbk	✓	✓	✓
NIKL	PT Pelat Timah Nusantara Tbk	✓	✓	✓
PICO	PT Pelangi Indah Canindo Tbk	✓	✓	✓
TBMS	PT Tembaga Mulia Semanan Tbk	✓	✓	✓
GGRP	PT Gunung Raja Paksi Tbk			✓
PURE	PT Trinitan Metals and Minerals Tbk			✓
ADMG	PT Polychem Indonesia Tbk	✓	✓	✓
AGII	PT Samator Indo Gas Tbk	✓	✓	✓
BRPT	PT Barito Pacific Tbk	✓	✓	✓

DPNS	PT Duta Pertiwi Nusantara Tbk	✓	✓	✓
EKAD	PT Ekadharna International Tbk	✓	✓	✓
ETWA	PT Eterindo Wahanatama Tbk	✓	✓	✓
INCI	PT Intanwijaya Internasional Tbk	✓	✓	✓
MDKI	PT EMDEKI UTAMA Tbk	✓	✓	✓
MOLI	PT MADUSARI MURNI INDAH Tbk		✓	✓
SRSN	PT Indo Acidatama Tbk	✓	✓	✓
TDPM	PT Tridomain Performance Materials Tbk		✓	✓
TPIA	PT Chandra Asri Petrochemical Tbk	✓	✓	✓
UNIC	PT Unggul Indah Cahaya Tbk	✓	✓	✓
AKPI	PT Argha Karya Prima Industry Tbk	✓	✓	✓
APLI	PT Asiaplast Industries Tbk	✓	✓	✓
BRNA	PT Berlina Tbk	✓	✓	✓
FPNI	PT Lotte Chemical Titan Tbk	✓	✓	✓
IGAR	PT Champion Pacific Indonesia Tbk	✓	✓	✓
IMPC	PT Impack Pratama Industri Tbk	✓	✓	✓
IPOL	PT Indopoly Swakarsa Industry Tbk	✓	✓	✓
PBID	Pt Panca Budi Idaman Tbk	✓	✓	✓
TALF	PT Tunas Alfin Tbk	✓	✓	✓
TRST	PT Trias Sentosa Tbk	✓	✓	✓
YPAS	PT Yanaprima Hastapersada Tbk	✓	✓	✓
SMKL	Pt Satyamitra Kemas Lestari Tbk			✓
CPIN	PT Charoen Pokphand Indonesia Tbk	✓	✓	✓
CPRO	PT Central Proteina Prima Tbk	✓	✓	✓
JPFA	PT Japfa Comfeed Indonesia Tbk	✓	✓	✓
MAIN	PT Malindo Feedmill Tbk	✓	✓	✓
SIPD	PT Sreeya Sewu Indonesia Tbk	✓	✓	✓
IFII	PT Indonesia Fibreboard Industry Tbk			✓
SINI	PT Singaraja Putra Tbk			✓
SULI	PT SLJ Global Tbk	✓	✓	✓
TIRT	PT Tirta Mahakam Resources Tbk	✓	✓	✓
ALDO	PT Alkindo Naratama Tbk	✓	✓	✓
FASW	PT Fajar Surya Wisesa Tbk	✓	✓	✓
INKP	PT Indah Kiat Pulp & Paper Tbk	✓	✓	✓
INRU	PT Toba Pulp Lestari Tbk	✓	✓	✓
KBRI	PT Kertas Basuki Rachmat Indonesia Tbk	✓	✓	✓
KDSI	PT Kedawung Setia Industrial Tbk	✓	✓	✓
SPMA	PT Suparma Tbk	✓	✓	✓

SWAT	PT Sriwahana Adityakarta Tbk		✓	✓
TKIM	PT Pabrik Kertas Tjiwi Kimia Tbk	✓	✓	✓
INCF	PT Indo Komoditi Korpora Tbk	✓	✓	✓
KMTR	PT Kirana Megatara Tbk	✓	✓	✓
AMIN	PT Ateliers Mecaniques D'Indonesie Tbk	✓	✓	✓
GMFI	PT Garuda Maintenance Facility Aero Asia Tbk)	✓	✓	✓
KPAL	PT Steadfast Marine Tbk		✓	✓
KRAH	PT Grand Kartech Tbk	✓	✓	✓
ARKA	PT Arkha Jayanti Persada Tbk			✓
ASII	PT Astra International Tbk	✓	✓	✓
AUTO	PT Astra Otoparts Tbk	✓	✓	✓
BOLT	PT Garuda Metalindo Tbk	✓	✓	✓
BRAM	PT Indo Kordsa Tbk	✓	✓	✓
GDYR	PT Goodyear Indonesia Tbk	✓	✓	✓
GJTL	PT Gajah Tunggal Tbk	✓	✓	✓
IMAS	PT Indomobil Sukses Internasional Tbk	✓	✓	✓
INDS	PT Indospring Tbk	✓	✓	✓
LPIN	PT Multi Prima Sejahtera Tbk	✓	✓	✓
MASA	PT Multistrada Arah Sarana Tbk	✓	✓	✓
NIPS	PT Nipress Tbk	✓	✓	✓
PRAS	PT Prima Alloy Steel Universal Tbk	✓	✓	✓
SMSM	PT Selamat Sempurna Tbk	✓	✓	✓
ARGO	PT Argo Pantes Tbk	✓	✓	✓
BELL	PT TRISULA TEXTILE INDUSTRIES Tbk	✓	✓	✓
CNTX	PT Century Textile Industry Tbk	✓	✓	✓
ERTX	PT Eratex Djaja Tbk	✓	✓	✓
ESTI	PT Ever Shine Tex Tbk	✓	✓	✓
HDTX	PT Panasia Indo Resources Tbk	✓	✓	✓
INDR	PT Indo-Rama Synthetics Tbk	✓	✓	✓
MYTX	PT Asia Pacific Investama Tbk	✓	✓	✓
PBRX	PT Pan Brothers Tbk	✓	✓	✓
POLU	PT. GOLDEN FLOWER Tbk			✓
POLY	PT Asia Pacific Fibers Tbk	✓	✓	✓
RICY	PT Ricky Putra Globalindo Tbk	✓	✓	✓
SRIL	PT Sri Rejeki Isman Tbk	✓	✓	✓
SSTM	PT Sunson Textile Manufacturer Tbk	✓	✓	✓
STAR	PT Buana Artha Anugerah Tbk	✓	✓	✓
TFCO	PT Tifico Fiber Indonesia Tbk	✓	✓	✓

TRIS	PT Trisula International Tbk	✓	✓	✓
UNIT	PT Nusantara Inti Corpora Tbk	✓	✓	✓
ZONE	PT Mega Perintis Tbk		✓	✓
BATA	PT Sepatu Bata Tbk	✓	✓	✓
BIMA	PT Primarindo Asia Infrastructure Tbk	✓	✓	✓
CCSI	PT Communication Cable Systems Indonesia Tbk			✓
IKBI	PT Sumi Indo Kabel Tbk	✓	✓	✓
JECC	PT Jembo Cable Company Tbk	✓	✓	✓
KBLI	PT KMI Wire and Cable Tbk	✓	✓	✓
KBLM	PT Kabelindo Murni Tbk	✓	✓	✓
SCCO	PT Supreme Cable Manufacturing & Commerce Tbk	✓	✓	✓
VOKS	PT Voksel Electric Tbk	✓	✓	✓
JSKY	PT Sky Energy Indonesia Tbk		✓	✓
PTSN	PT Sat Nusapersada Tbk	✓	✓	✓
SLIS	PT GAYA ABADI SEMPURNA TBK			✓
ADES	PT Akasha Wira International Tbk	✓	✓	✓
AISA	PT FKS Food Sejahtera Tbk	✓	✓	✓
ALTO	PT Tri Banyan Tirta Tbk	✓	✓	✓
BTEK	PT Bumi Teknokultura Unggul Tbk	✓	✓	✓
BUDI	PT Budi Starch & Sweetener Tbk	✓	✓	✓
CAMP	PT Campina Ice Cream Industry Tbk	✓	✓	✓
CEKA	PT Wilmar Cahaya Indonesia Tbk	✓	✓	✓
CLEO	PT Sariguna Primatirta Tbk	✓	✓	✓
COCO	PT Wahana Interfood Nusantara Tbk			✓
DLTA	PT Delta Djakarta Tbk	✓	✓	✓
FOOD	PT SENTRA FOOD INDONESIA Tbk			✓
GOOD	PT Garudafood Putra Putri Jaya Tbk		✓	✓
HOKI	PT Buyung Poetra Sembada Tbk	✓	✓	✓
ICBP	PT Indofood CBP Sukses Makmur Tbk	✓	✓	✓
IIKP	PT Inti Agri Resources Tbk	✓	✓	✓
INDF	PT Indofood Sukses Makmur Tbk	✓	✓	✓
MLBI	PT Multi Bintang Indonesia Tbk	✓	✓	✓
MYOR	PT Mayora Indah Tbk	✓	✓	✓
PANI	PT Pratama Abadi Nusa Industri Tbk		✓	✓
PCAR	PT Prima Cakrawala Abadi Tbk	✓	✓	✓
PSDN	PT Prasadha Aneka Niaga Tbk	✓	✓	✓
ROTI	PT Nippon Indosari Corpindo Tbk	✓	✓	✓
SKBM	PT Sekar Bumi Tbk	✓	✓	✓

SKLT	PT Sekar Laut Tbk	✓	✓	✓
STTP	PT Siantar Top Tbk	✓	✓	✓
ULTJ	PT Ultrajaya Milk Industry Tbk	✓	✓	✓
KEJU	PT Mulia Boga Raya			✓
GGRM	PT Gudang Garam Tbk	✓	✓	✓
HMSP	PT Hanjaya Mandala Sampoerna Tbk	✓	✓	✓
RMBA	PT Bendoel International Investama Tbk	✓	✓	✓
WIIM	PT Wismilak Inti Makmur Tbk			✓
ITIC	PT INDONESIAN TOBACCO Tbk.	✓	✓	✓
DVLA	PT Darya-Varia Laboratoria Tbk	✓	✓	✓
INAF	PT Indofarma Tbk	✓	✓	✓
KAEF	PT Kimia Farma Tbk	✓	✓	✓
KLBF	PT Kalbe Farma Tbk	✓	✓	✓
MERK	PT Merck Tbk	✓	✓	✓
PEHA	PT Phapros Tbk		✓	✓
PYFA	PT Pyridam Farma Tbk	✓	✓	✓
SCPI	PT Organon Pharma Indonesia Tbk	✓	✓	✓
SIDO	PT Industri Jamu dan Farmasi Sido Muncul Tbk	✓	✓	✓
TSPC	PT Tempo Scan Pacific Tbk	✓	✓	✓
KINO	PT Kino Indonesia Tbk	✓	✓	✓
KPAS	PT Cottonindo Ariesta Tbk		✓	✓
MBTO	PT Martina Berto Tbk	✓	✓	✓
MRAT	PT Mustika Ratu Tbk	✓	✓	✓
TCID	PT Mandom Indonesia Tbk	✓	✓	✓
UNVR	PT Unilever Indonesia Tbk	✓	✓	✓
CINT	PT Chitose Internasional Tbk	✓	✓	✓
KICI	PT Kedaung Indah Can Tbk	✓	✓	✓
LMPI	PT Langgeng Makmur Industri Tbk	✓	✓	✓
WOOD	PT Integra Indocabinet Tbk	✓	✓	✓
HRTA	PT Hartadinata Abadi Tbk	✓	✓	✓
UCID	PT Uni-charm Indonesia			✓
ESIP	PT Sinergi Inti Plastindo Tbk			✓

LAMPIRAN II

DAFTAR DATA SAMPEL (SETELAH *PURPOSIVE SAMPLING*)

Perusahaan	Tahun	Investasi	Sales	Pengungkapan Risiko	Ukuran	Umur	Efisiensi Investasi
PT Akasha Wira International Tbk (XIDX:ADES)	2017	0.18	0.3254	0.297297297	27.45695	32	-0.24407
PT Akasha Wira International Tbk (XIDX:ADES)	2018	0.008642	-0.08243	0.243243243	27.50464	33	-0.01074
PT Akasha Wira International Tbk (XIDX:ADES)	2019	-0.02662	-0.01251	0.27027027	27.43546	34	-0.00888
PT Alakasa Industrindo Tbk (XIDX:ALKA)	2017	0.0041	0.5372	0.162162162	26.44426	45	-0.13627
PT Alakasa Industrindo Tbk (XIDX:ALKA)	2018	0.000624	0.678338	0.162162162	27.34196	46	-0.02517
PT Alakasa Industrindo Tbk (XIDX:ALKA)	2019	-0.013	0.858872	0.162162162	27.1282	47	-0.00812
PT Alumindo Light Metal Industry Tbk (XIDX:ALMI)	2017	0.0126	-0.2615	0.297297297	28.49656	39	-0.47002
PT Alumindo Light Metal Industry Tbk (XIDX:ALMI)	2018	0.075135	0.415592	0.297297297	28.65407	40	-0.02074
PT Alumindo Light Metal Industry Tbk (XIDX:ALMI)	2019	-0.02858	0.269154	0.27027027	28.17662	41	-0.00934
PT Argha Karya Prima Industry Tbk (XIDX:AKPI)	2017	0.0279	0.0147	0.27027027	28.64092	37	-0.35663
PT Argha Karya Prima Industry Tbk (XIDX:AKPI)	2018	0.057869	0.008616	0.27027027	28.75283	38	-0.00087
PT Argha Karya Prima Industry Tbk (XIDX:AKPI)	2019	-0.045	0.156215	0.297297297	28.65231	39	-0.01107
PT Argo Pantes Tbk (XIDX:ARGO)	2017	-0.2357	0.072	0.108108108	27.91915	40	-0.30347
PT Argo Pantes Tbk (XIDX:ARGO)	2018	-0.27934	-0.31541	0.081081081	27.87711	41	-0.05401
PT Argo Pantes Tbk (XIDX:ARGO)	2019	-0.00738	-0.06942	0.216216216	27.79826	42	-0.00669
PT Arwana Citramulia Tbk (XIDX:ARNA)	2017	0.0517	0.1703	0.342105263	28.10187	24	-0.29444
PT Arwana Citramulia Tbk (XIDX:ARNA)	2018	0.040839	0.146171	0.351351351	28.13356	25	-0.00389
PT Arwana Citramulia Tbk (XIDX:ARNA)	2019	0.012835	0.13762	0.324324324	28.21833	26	-0.00463
PT Asahimas Flat Glass Tbk (XIDX:AMFG)	2017	0.1375	0.0158	0.324324324	29.46645	46	-0.36835
PT Asahimas Flat Glass Tbk (XIDX:AMFG)	2018	0.360092	0.043424	0.297297297	29.76313	47	-0.0344

PT Asahimas Flat Glass Tbk (XIDX:AMFG)	2019	0.036774	0.143464	0.351351351	29.79871	48	-0.00197
PT Asia Pacific Fibers Tbk (XIDX:POLY)	2019	0.009266	0.198152	0.243243243	28.84438	35	-0.00507
PT Asia Pacific Investama Tbk (XIDX:MYTX)	2017	0.9689	-0.3286	0.189189189	28.87192	30	-0.60424
PT Asia Pacific Investama Tbk (XIDX:MYTX)	2018	0.006783	0.291912	0.216216216	28.95213	31	-0.00716
PT Asia Pacific Investama Tbk (XIDX:MYTX)	2019	-0.11616	0.418822	0.216216216	28.93563	32	-0.0192
PT Asiaplast Industries Tbk (XIDX:APLI)	2018	0.033253	0.195512	0.189189189	26.94421	26	-0.00544
PT Asiaplast Industries Tbk (XIDX:APLI)	2019	0.104333	0.146015	0.162162162	26.76177	27	-0.00553
PT Astra International Tbk (XIDX:ASII)	2017	0.0393	-0.0169	0.297297297	33.32081	60	-0.37107
PT Astra International Tbk (XIDX:ASII)	2018	0.059149	0.137908	0.351351351	33.47373	61	-0.00553
PT Astra International Tbk (XIDX:ASII)	2019	0.045128	0.160868	0.324324324	33.49453	62	-0.00106
PT Astra Otoparts Tbk (XIDX:AUTO)	2017	0.0222	0.0924	0.297297297	30.3231	18	-0.32362
PT Astra Otoparts Tbk (XIDX:AUTO)	2018	0.021967	0.058015	0.243243243	30.39669	19	-0.00247
PT Astra Otoparts Tbk (XIDX:AUTO)	2019	0.021509	0.133324	0.324324324	30.40459	20	-0.00366
PT Ateliers Mecaniques D'Indonesie Tbk (XIDX:AMIN)	2017	0.0051	0.656	0.189189189	26.25449	45	-0.08688
PT Ateliers Mecaniques D'Indonesie Tbk (XIDX:AMIN)	2018	0.206131	0.42195	0.216216216	26.61188	46	-0.0356
PT Ateliers Mecaniques D'Indonesie Tbk (XIDX:AMIN)	2019	0.037169	0.152707	0.189189189	26.72647	47	-0.00193
PT Barito Pacific Tbk (XIDX:BRPT)	2017	0.1214	0.4977	0.351351351	32.16472	38	-0.16576
PT Barito Pacific Tbk (XIDX:BRPT)	2018	0.047275	0.354262	0.351351351	32.25582	39	-0.01467
PT Barito Pacific Tbk (XIDX:BRPT)	2019	0.049198	0.078398	0.378378378	32.23522	40	-0.00053
PT Bentoel International Investama Tbk (XIDX:RMBA)	2017	0.0637	0.1436	0.162162162	32.57326	87	-0.3069
PT Bentoel International Investama Tbk (XIDX:RMBA)	2018	0.003152	0.053559	0.162162162	30.33101	88	-0.00477
PT Bentoel International Investama Tbk (XIDX:RMBA)	2019	0.012562	0.082146	0.189189189	30.46425	89	-0.00461
PT Berlina Tbk (XIDX:BRNA)	2017	0.0225	0.0677	0.243243243	28.30645	48	-0.33395
PT Berlina Tbk (XIDX:BRNA)	2018	0.036855	-0.03986	0.243243243	28.53172	49	-0.00555

PT Berlina Tbk (XIDX:BRNA)	2019	0.065415	0.006795	0.243243243	28.44776	50	-0.00133
PT Betonjaya Manunggal Tbk (XIDX:BTON)	2017	0.001	-0.0727	0.297297297	25.93549	22	-0.39006
PT Betonjaya Manunggal Tbk (XIDX:BTON)	2018	0.000561	0.402338	0.324324324	26.10483	23	-0.01181
PT Betonjaya Manunggal Tbk (XIDX:BTON)	2019	6.54E-05	0.33494	0.297297297	26.16378	24	-0.00622
PT Buana Artha Anugerah Tbk (XIDX:STAR)	2018	0.002645	-0.11573	0.108108108	27.14644	10	-0.01302
PT Buana Artha Anugerah Tbk (XIDX:STAR)	2019	-0.78823	0.151421	0.189189189	27.08597	11	-0.09364
PT Bumi Teknokultura Unggul Tbk (XIDX:BTEK)	2018	-0.27368	0	0.243243243	29.27297	16	-0.03812
PT Bumi Teknokultura Unggul Tbk (XIDX:BTEK)	2019	0.017012	0.18976	0.243243243	29.2355	17	-0.00421
PT Buyung Poetra Sembada Tbk (XIDX:HOKI)	2018	0.176542	0.054345	0.297297297	27.35507	15	-0.01453
PT Buyung Poetra Sembada Tbk (XIDX:HOKI)	2019	0.129576	0.183235	0.297297297	27.46694	16	-0.00831
PT CAHAYAPUTRA ASA KERAMIK TBK (XIDX:CAKK)	2019	0.12282	0.295054	0.378378378	26.52212	24	-0.00746
PT CAMPINA ICE CREAM INDUSTRY, Tbk. (XIDX:CAMP)	2018	0.041833	0.015374	0.216216216	27.63529	46	-0.00232
PT CAMPINA ICE CREAM INDUSTRY, Tbk. (XIDX:CAMP)	2019	0.044707	0.017251	0.189189189	27.68704	47	-0.00098
PT Central Proteina Prima Tbk (XIDX:CPRO)	2017	0.0484	-0.0421	0.189189189	29.57788	37	-0.38258
PT Central Proteina Prima Tbk (XIDX:CPRO)	2018	-0.15547	-0.23515	0.216216216	29.51391	38	-0.03637
PT Central Proteina Prima Tbk (XIDX:CPRO)	2019	0.006293	0.123945	0.216216216	29.42282	39	-0.00534
PT Champion Pacific Indonesia Tbk (XIDX:IGAR)	2017	0.0591	0.1705	0.162162162	26.96359	42	-0.29518
PT Champion Pacific Indonesia Tbk (XIDX:IGAR)	2018	0.105831	-0.03894	0.189189189	27.06925	43	-0.00216
PT Champion Pacific Indonesia Tbk (XIDX:IGAR)	2019	0.058214	0.020198	0.189189189	27.1491	44	-0.00052
PT Chandra Asri Petrochemical Tbk (XIDX:TPIA)	2017	0.0987	0.4013	0.378378378	31.33163	33	-0.20341
PT Chandra Asri Petrochemical Tbk (XIDX:TPIA)	2018	0.120006	0.252895	0.378378378	31.45869	34	-0.01785
PT Chandra Asri Petrochemical Tbk (XIDX:TPIA)	2019	0.108426	0.051565	0.378378378	31.50171	35	-0.00607
PT Charoen Pokphand Indonesia Tbk (XIDX:CPIN)	2017	0.023	0.2786	0.216216216	30.83062	45	-0.24612
PT Charoen Pokphand Indonesia Tbk (XIDX:CPIN)	2018	0.060851	0.290419	0.162162162	30.95047	46	-0.01309
PT Charoen Pokphand Indonesia Tbk (XIDX:CPIN)	2019	0.095651	0.092981	0.216216216	31.01042	47	-0.00462
PT Chitose Internasional Tbk (XIDX:CINT)	2017	0.1502	0.0387	0.297297297	26.8899	39	-0.36022
PT Chitose Internasional Tbk (XIDX:CINT)	2018	0.068787	0.142107	0.297297297	26.92049	40	-0.0068

PT Chitose Internasional Tbk (XIDX:CINT)	2019	0.008999	-0.00953	0.324324324	26.97996	41	-0.00492
PT Citra Tubindo Tbk (XIDX:CTBN)	2018	0.012444	-0.49555	0.243243243	28.40307	35	-0.03031
PT Citra Tubindo Tbk (XIDX:CTBN)	2019	0.001497	0.722852	0.324324324	28.36219	36	-0.00639
PT Darya-Varia Laboratoria Tbk (XIDX:DVLA)	2017	0.0077	0.1112	0.27027027	28.12626	41	-0.31418
PT Darya-Varia Laboratoria Tbk (XIDX:DVLA)	2018	0.014502	0.085638	0.297297297	28.15149	42	-0.00196
PT Darya-Varia Laboratoria Tbk (XIDX:DVLA)	2019	0.017995	0.078704	0.243243243	28.23532	43	-0.004
PT Delta Djakarta Tbk (XIDX:DLTA)	2017	0.0058	0.1079	0.243243243	27.92432	12	-0.31534
PT Delta Djakarta Tbk (XIDX:DLTA)	2018	0.01237	0.00302	0.216216216	28.05204	13	-0.0062
PT Delta Djakarta Tbk (XIDX:DLTA)	2019	0.00373	0.148844	0.297297297	27.98588	14	-0.00565
PT Duta Pertiwi Nusantara Tbk (XIDX:DPNS)	2017	0.0017	-0.0214	0.216216216	26.45496	36	-0.36876
PT Duta Pertiwi Nusantara Tbk (XIDX:DPNS)	2018	0.001612	-0.04007	0.216216216	26.49839	37	-0.00948
PT Duta Pertiwi Nusantara Tbk (XIDX:DPNS)	2019	0.000938	0.288308	0.216216216	26.48576	38	-0.00608
PT Ekadharma International Tbk (XIDX:EKAD)	2017	0.048	0.0698	0.162162162	27.40383	36	-0.33591
PT Ekadharma International Tbk (XIDX:EKAD)	2018	0.039499	0.131811	0.162162162	27.47234	37	-0.00305
PT Ekadharma International Tbk (XIDX:EKAD)	2019	0.093432	0.149143	0.216216216	27.59874	38	-0.00432
PT EMDEKI UTAMA Tbk (XIDX:MDKI)	2017	0.3173	0.117	0.297297297	27.48882	36	-0.34616
PT EMDEKI UTAMA Tbk (XIDX:MDKI)	2018	0.061171	0.082839	0.405405405	27.54117	37	-0.00309
PT EMDEKI UTAMA Tbk (XIDX:MDKI)	2019	0.014352	0.084251	0.351351351	27.55176	38	-0.00441
PT Eratex Djaja Tbk (XIDX:ERTX)	2017	0.0147	-0.0198	0.351351351	27.41142	45	-0.35304
PT Eratex Djaja Tbk (XIDX:ERTX)	2018	0.045525	0.015821	0.351351351	27.53264	46	-0.00189
PT Eratex Djaja Tbk (XIDX:ERTX)	2019	0.054786	0.058574	0.351351351	27.62385	47	-0.0001
PT Eterindo Wahanatama Tbk (XIDX:ETWA)	2017	-0.0007	-0.386	0.216216216	27.74192	25	-0.52042
PT Eterindo Wahanatama Tbk (XIDX:ETWA)	2018	-0.00085	-0.78737	0.189189189	27.72007	26	-0.0459
PT Eterindo Wahanatama Tbk (XIDX:ETWA)	2019	-0.00071	-0.53725	0.162162162	27.74776	27	-0.00554
PT Fajar Surya Wisesa Tbk (XIDX:FASW)	2017	0.0188	0.1844	0.189189189	29.86852	30	-0.28491
PT Fajar Surya Wisesa Tbk (XIDX:FASW)	2018	0.092834	0.248937	0.135135135	30.02574	31	-0.01464
PT Fajar Surya Wisesa Tbk (XIDX:FASW)	2019	0.073278	0.354513	0.216216216	30.00611	32	-0.0019
PT FKS Food Sejahtera Tbk (XIDX:AISA)	2017	-0.2449	0.089	0.378378378	28.3151	27	-0.29536
PT FKS Food Sejahtera Tbk (XIDX:AISA)	2018	0.001702	-0.702	0.378378378	28.22788	28	-0.04149
PT FKS Food Sejahtera Tbk (XIDX:AISA)	2019	0.006942	-0.18831	0.378378378	28.25641	29	-0.005

PT Gajah Tunggal Tbk (XIDX:GJTL)	2017	0.0229	0.0511	0.135135135	30.53196	66	-0.34091
PT Gajah Tunggal Tbk (XIDX:GJTL)	2018	0.187689	0.037654	0.162162162	30.61222	67	-0.01496
PT Gajah Tunggal Tbk (XIDX:GJTL)	2019	0.020336	0.085038	0.189189189	30.56786	68	-0.00375
PT Garuda Maintenance Facility Aero Asia Tbk (XIDX:GMFI)	2017	0.0683	0.2718	0.405405405	29.57667	15	-0.25399
PT Garuda Maintenance Facility Aero Asia Tbk (XIDX:GMFI)	2018	0.024963	0.130238	0.378378378	29.96056	16	-0.00136
PT Garuda Maintenance Facility Aero Asia Tbk (XIDX:GMFI)	2019	0.106238	0.069975	0.351351351	29.98378	17	-0.00581
PT Garuda Metalindo Tbk (XIDX:BOLT)	2017	0.0575	0.2241	0.189189189	27.80396	35	-0.27267
PT Garuda Metalindo Tbk (XIDX:BOLT)	2018	0.039169	-0.00321	0.216216216	27.90286	36	-0.00352
PT Garuda Metalindo Tbk (XIDX:BOLT)	2019	0.011658	0.133143	0.216216216	27.86681	37	-0.00475
PT Garudafood Putra Putri Jaya Tbk (XIDX:GOOD)	2019	0.120732	0.075972	0.378378378	29.25299	25	-0.00742
PT Goodyear Indonesia Tbk (XIDX:GDYR)	2017	0.0299	-0.0009	0.216216216	28.14789	106	-0.36336
PT Goodyear Indonesia Tbk (XIDX:GDYR)	2018	0.065448	0.043729	0.243243243	28.18373	107	-0.00167
PT Goodyear Indonesia Tbk (XIDX:GDYR)	2019	0.053393	-0.00827	0.243243243	28.14572	108	-0.00001
PT Grand Kartech Tbk (XIDX:KRAH)	2017	0.0007	-0.1036	0.216216216	27.19399	27	-0.31657
PT Grand Kartech Tbk (XIDX:KRAH)	2018	0.001925	-0.15768	0.216216216	27.13024	28	-0.01513
PT Gudang Garam Tbk (XIDX:GGRM)	2017	0.0442	0.084	0.243243243	31.83212	59	-0.32957
PT Gudang Garam Tbk (XIDX:GGRM)	2018	0.05301	0.092191	0.27027027	31.86654	60	-0.00263
PT Gudang Garam Tbk (XIDX:GGRM)	2019	0.071451	0.14887	0.216216216	31.99599	61	-0.00188
PT Gunawan Dianjaya Steel Tbk (XIDX:GDST)	2017	0.0465	-0.1713	0.27027027	27.94947	28	-0.4362
PT Gunawan Dianjaya Steel Tbk (XIDX:GDST)	2018	0.094444	0.854082	0.297297297	27.9325	29	-0.04409
PT Gunawan Dianjaya Steel Tbk (XIDX:GDST)	2019	0.10852	0.108417	0.243243243	28.19553	30	-0.00603
PT Hanjaya Mandala Sampoerna Tbk (XIDX:HMSP)	2017	0.0118	0.0718	0.297297297	31.3955	54	-0.33105
PT Hanjaya Mandala Sampoerna Tbk (XIDX:HMSP)	2018	0.022335	0.03797	0.297297297	31.47267	55	-0.0034
PT Hanjaya Mandala Sampoerna Tbk (XIDX:HMSP)	2019	0.019976	0.077205	0.297297297	31.56094	56	-0.00378
PT HARTADINATA ABADI TBK (XIDX:HRTA)	2018	0.003053	0.130126	0.324324324	28.06087	14	-0.00108
PT HARTADINATA ABADI TBK (XIDX:HRTA)	2019	0.008091	0.105864	0.297297297	28.46878	15	-0.00512
PT Impack Pratama Industri Tbk (XIDX:IMPC)	2017	0.0396	-0.0109	0.27027027	28.46161	36	-0.3686

PT Impack Pratama Industri Tbk (XIDX:IMPC)	2018	0.027675	0.050875	0.297297297	28.49399	37	-0.00218
PT Impack Pratama Industri Tbk (XIDX:IMPC)	2019	0.061052	0.169518	0.297297297	28.54776	38	-0.0007
PT Indah Kiat Pulp & Paper Tbk (XIDX:INKP)	2017	-0.0001	-0.0402	0.243243243	32.2699	41	-0.3764
PT Indah Kiat Pulp & Paper Tbk (XIDX:INKP)	2018	0.050766	0.149774	0.27027027	32.47303	42	-0.00517
PT Indah Kiat Pulp & Paper Tbk (XIDX:INKP)	2019	0.002073	0.066342	0.297297297	32.40329	43	-0.00576
PT Indal Aluminium Industry Tbk (XIDX:INAI)	2017	0.0024	-0.0723	0.189189189	27.82487	46	-0.39005
PT Indal Aluminium Industry Tbk (XIDX:INAI)	2018	0.013679	-0.23684	0.135135135	27.96798	47	-0.01765
PT Indal Aluminium Industry Tbk (XIDX:INAI)	2019	0.007178	0.153029	0.216216216	27.82403	48	-0.00527
PT Indo Acidatama Tbk (XIDX:SRSN)	2017	0.0044	-0.0584	0.189189189	27.20442	34	-0.38448
PT Indo Acidatama Tbk (XIDX:SRSN)	2018	0.035295	0.041839	0.162162162	27.25528	35	-0.00177
PT Indo Acidatama Tbk (XIDX:SRSN)	2019	0.013268	0.15246	0.189189189	27.38159	36	-0.00459
PT Indo Komoditi Korpora Tbk (XIDX:INCF)	2019	0.004743	0.303672	0.162162162	26.87115	35	-0.00567
PT Indo Kordsa Tbk (XIDX:BRAM)	2017	0.0344	0.0598	0.324324324	29.04812	36	-0.33856
PT Indo Kordsa Tbk (XIDX:BRAM)	2018	0.00658	0.097521	0.297297297	29.08781	37	-0.00227
PT Indo Kordsa Tbk (XIDX:BRAM)	2019	0.035293	0.09371	0.297297297	28.98817	38	-0.00209
PT Indocement Tunggal Prakarsa Tbk (XIDX:INTP)	2017	0.0469	-0.1369	0.324324324	30.99361	42	-0.42191
PT Indocement Tunggal Prakarsa Tbk (XIDX:INTP)	2018	0.028655	-0.06058	0.297297297	30.95565	43	-0.00746
PT Indocement Tunggal Prakarsa Tbk (XIDX:INTP)	2019	0.022945	0.052599	0.351351351	30.95273	44	-0.00343
PT Indofarma Tbk (XIDX:INAF)	2017	0.0553	-0.0326	0.297297297	28.05621	21	-0.35222
PT Indofarma Tbk (XIDX:INAF)	2018	0.018202	-0.02591	0.297297297	27.9973	22	-0.00695
PT Indofarma Tbk (XIDX:INAF)	2019	0.033606	-0.0235	0.189189189	27.95595	23	-0.00218
PT Indofood CBP Sukses Makmur Tbk (XIDX:ICBP)	2017	0.0564	0.0859	0.216216216	31.0848	8	-0.33013
PT Indofood CBP Sukses Makmur Tbk (XIDX:ICBP)	2018	0.10611	0.033091	0.216216216	31.16812	9	-0.00567
PT Indofood CBP Sukses Makmur Tbk (XIDX:ICBP)	2019	0.044519	0.078828	0.216216216	31.2871	10	-0.00105
PT Indofood Sukses Makmur Tbk (XIDX:INDF)	2017	0.0825	0.042	0.216216216	32.1129	27	-0.35132
PT Indofood Sukses Makmur Tbk (XIDX:INDF)	2018	0.063851	0.05148	0.243243243	32.20096	28	-0.00187
PT Indofood Sukses Makmur Tbk (XIDX:INDF)	2019	0.034939	0.045708	0.243243243	32.19744	29	-0.00209
PT Indomobil Sukses Internasional Tbk (XIDX:IMAS)	2017	0.081	-0.1685	0.108108108	31.09686	20	-0.43887

PT Indomobil Sukses Internasional Tbk (XIDX:IMAS)	2018	0.084414	0.024434	0.108108108	31.34567	21	-0.00285
PT Indomobil Sukses Internasional Tbk (XIDX:IMAS)	2019	0.093405	0.159627	0.108108108	31.43095	22	-0.00431
PT Indopoly Swakarsa Industry Tbk (XIDX:IPOL)	2018	-0.08754	0.016911	0.216216216	29.07329	23	-0.01662
PT Indopoly Swakarsa Industry Tbk (XIDX:IPOL)	2019	-0.00042	0.063528	0.216216216	28.9812	24	-0.00603
PT Indo-Rama Synthetics Tbk (XIDX:INDR)	2017	0.0077	0.0142	0.189189189	30.02251	43	-0.3546
PT Indo-Rama Synthetics Tbk (XIDX:INDR)	2018	-0.00939	0.124561	0.189189189	30.09309	44	-0.00273
PT Indo-Rama Synthetics Tbk (XIDX:INDR)	2019	0.049027	0.079094	0.162162162	29.98003	45	-0.00055
PT Indospring Tbk (XIDX:INDS)	2018	0.030299	0.202162	0.216216216	28.54022	40	-0.00543
PT Indospring Tbk (XIDX:INDS)	2019	0.106657	0.219554	0.135135135	28.67286	41	-0.00573
PT Industri Jamu dan Farmasi Sido Muncul Tbk (XIDX:SIDO)	2017	0.0744	0.1547	0.27027027	28.78102	42	-0.30346
PT Industri Jamu dan Farmasi Sido Muncul Tbk (XIDX:SIDO)	2018	0.126484	0.004697	0.243243243	28.83628	43	-0.00657
PT Industri Jamu dan Farmasi Sido Muncul Tbk (XIDX:SIDO)	2019	0.034802	0.073607	0.216216216	28.89427	44	-0.00213
PT Intanwijaya Internasional Tbk (XIDX:INCI)	2017	0.0283	0.2883	0.162162162	26.4396	36	-0.24267
PT Intanwijaya Internasional Tbk (XIDX:INCI)	2018	0.132458	0.531837	0.189189189	26.6929	37	-0.03273
PT Intanwijaya Internasional Tbk (XIDX:INCI)	2019	0.009009	0.364303	0.189189189	26.72825	38	-0.00525
PT Integra Indocabinet Tbk (XIDX:WOOD)	2017	0.0405	0.183	0.189189189	28.97727	28	-0.2879
PT Integra Indocabinet Tbk (XIDX:WOOD)	2018	0.067741	0.310803	0.243243243	29.15457	29	-0.01485
PT Integra Indocabinet Tbk (XIDX:WOOD)	2019	0.059903	0.211434	0.243243243	29.3079	30	-0.00054
PT Inti Agri Resources Tbk (XIDX:IIKP)	2018	0.001058	0.202803	0.216216216	26.42066	19	-0.00221
PT Inti Agri Resources Tbk (XIDX:IIKP)	2019	-0.00111	-0.16861	0.216216216	26.67516	20	-0.00591
PT Intikeramik Alamasri Industri Tbk (XIDX:IKAI)	2017	0.0003	-0.4067	0.108108108	26.11346	26	-0.52916
PT Intikeramik Alamasri Industri Tbk (XIDX:IKAI)	2018	4.171096	-0.84127	0.432432432	27.92146	27	-0.41504
PT Intikeramik Alamasri Industri Tbk (XIDX:IKAI)	2019	-0.00727	-0.15197	0.324324324	27.93669	28	-0.00661
PT Japfa Comfeed Indonesia Tbk (XIDX:JPFA)	2017	0.0735	0.0815	0.378378378	30.67977	46	-0.33386
PT Japfa Comfeed Indonesia Tbk (XIDX:JPFA)	2018	0.157545	0.093831	0.378378378	30.84297	47	-0.01433

PT Japfa Comfeed Indonesia Tbk (XIDX:JPFA)	2019	0.119763	0.148982	0.351351351	30.91384	48	-0.00725
PT Jembo Cable Company Tbk (XIDX:JECC)	2017	0.0924	0.2251	0.162162162	28.29829	44	-0.27613
PT Jembo Cable Company Tbk (XIDX:JECC)	2018	0.024872	0.072007	0.162162162	28.37398	45	-0.00147
PT Jembo Cable Company Tbk (XIDX:JECC)	2019	0.007262	0.468323	0.189189189	28.26694	46	-0.00553
PT Kabelindo Murni Tbk (XIDX:KBLM)	2017	0.3658	0.0204	0.243243243	27.84225	45	-0.3918
PT Kabelindo Murni Tbk (XIDX:KBLM)	2018	0.022708	0.230976	0.162162162	27.89212	46	-0.00598
PT Kabelindo Murni Tbk (XIDX:KBLM)	2019	0.025111	0.023027	0.243243243	27.88134	47	-0.00316
PT Kalbe Farma Tbk (XIDX:KLBF)	2017	0.0751	0.0831	0.378378378	30.4414	51	-0.33338
PT Kalbe Farma Tbk (XIDX:KLBF)	2018	0.07521	0.041699	0.351351351	30.52948	52	-0.00266
PT Kalbe Farma Tbk (XIDX:KLBF)	2019	0.097974	0.044207	0.432432432	30.6399	53	-0.00492
PT Kedaung Indah Can Tbk (XIDX:KICI)	2018	0.00488	0.141199	0.189189189	25.76079	44	-0.00034
PT Kedaung Indah Can Tbk (XIDX:KICI)	2019	-2.2E-05	-0.23364	0.189189189	25.75252	45	-0.00573
PT Kedawang Setia Industrial Tbk (XIDX:KDSI)	2017	0.0711	0.1642	0.162162162	27.91491	42	-0.29914
PT Kedawang Setia Industrial Tbk (XIDX:KDSI)	2018	0.088123	0.125383	0.162162162	27.96134	43	-0.00814
PT Kedawang Setia Industrial Tbk (XIDX:KDSI)	2019	0.070851	0.03671	0.162162162	27.85708	44	-0.00191
PT Keramik Indonesia Asosiasi Tbk (XIDX:KIAS)	2017	0.0007	0.0791	0.189189189	28.20065	49	-0.32678
PT Keramik Indonesia Asosiasi Tbk (XIDX:KIAS)	2018	0.002055	-0.06212	0.297297297	28.16425	50	-0.01049
PT Keramik Indonesia Asosiasi Tbk (XIDX:KIAS)	2019	-0.19521	0.08135	0.297297297	27.8394	51	-0.02769
PT Kertas Basuki Rachmat Indonesia Tbk (XIDX:KBRI)	2017	-0.0004	-0.331	0.27027027	27.78908	39	-0.49754
PT Kertas Basuki Rachmat Indonesia Tbk (XIDX:KBRI)	2018	-2.9E-05	-0.10745	0.27027027	27.68828	40	-0.01292
PT Kimia Farma Tbk (XIDX:KAEF)	2017	0.27	0.1957	0.405405405	29.61506	46	-0.30811
PT Kimia Farma Tbk (XIDX:KAEF)	2018	0.194159	0.076367	0.297297297	30.05839	47	-0.01755
PT Kimia Farma Tbk (XIDX:KAEF)	2019	0.539604	0.35233	0.27027027	30.54081	48	-0.05372
PT Kino Indonesia Tbk (XIDX:KINO)	2017	0.0138	-0.0308	0.378378378	28.80585	45	-0.37403
PT Kino Indonesia Tbk (XIDX:KINO)	2018	0.064971	-0.09516	0.432432432	28.90978	46	-0.0051
PT Kino Indonesia Tbk (XIDX:KINO)	2019	0.254459	0.142711	0.405405405	29.17768	47	-0.02222
PT Kirana Megatara Tbk (XIDX:KMTR)	2018	0.024373	0.574099	0.351351351	28.89747	27	-0.02276
PT Kirana Megatara Tbk (XIDX:KMTR)	2019	0.154328	-0.16069	0.351351351	29.0383	28	-0.01136

PT KMI Wire and Cable Tbk (XIDX:KBLI)	2017	0.361	0.0564	0.243243243	28.73421	45	-0.37627
PT KMI Wire and Cable Tbk (XIDX:KBLI)	2018	-0.00528	0.133173	0.27027027	28.80808	46	-0.00186
PT KMI Wire and Cable Tbk (XIDX:KBLI)	2019	-0.03407	0.330508	0.27027027	28.89979	47	-0.01
PT Krakatau Steel (Persero) Tbk (XIDX:KRAS)	2017	0.0673	0.0173	0.324324324	31.47322	47	-0.35993
PT Krakatau Steel (Persero) Tbk (XIDX:KRAS)	2018	0.000007	0.077567	0.405405405	31.53982	48	-0.00396
PT Krakatau Steel (Persero) Tbk (XIDX:KRAS)	2019	4.48E-06	0.202086	0.324324324	31.49894	49	-0.00611
PT Langgeng Makmur Industri Tbk (XIDX:LMPI)	2017	0.0201	-0.09	0.189189189	27.45016	45	-0.39939
PT Langgeng Makmur Industri Tbk (XIDX:LMPI)	2018	0.017336	-0.00195	0.216216216	27.39112	46	-0.00588
PT Langgeng Makmur Industri Tbk (XIDX:LMPI)	2019	0.017751	0.10802	0.27027027	27.32672	47	-0.00405
PT Lion Metal Works Tbk (XIDX:LION)	2019	0.00026	0.212867	0.189189189	27.25708	47	-0.00609
PT Lionmesh Prima Tbk (XIDX:LMSH)	2017	-0.0213	-0.0959	0.216216216	25.80568	35	-0.39725
PT Lionmesh Prima Tbk (XIDX:LMSH)	2018	0.004626	0.421374	0.216216216	25.79861	36	-0.01318
PT Lionmesh Prima Tbk (XIDX:LMSH)	2019	0.001864	0.069788	0.216216216	25.71431	37	-0.00579
PT Lotte Chemical Titan Tbk (XIDX:FPNI)	2017	0.0047	-0.0339	0.27027027	28.58626	30	-0.37431
PT Lotte Chemical Titan Tbk (XIDX:FPNI)	2018	0.00946	-0.01919	0.243243243	28.67333	31	-0.00759
PT Lotte Chemical Titan Tbk (XIDX:FPNI)	2019	-0.01666	0.001205	0.189189189	28.46556	32	-0.00778
PT MADUSARI MURNI INDAH Tbk (XIDX:MOLI)	2019	0.066842	0.051454	0.216216216	28.25841	60	-0.00145
PT Malindo Feedmill Tbk (XIDX:MAIN)	2017	0.0769	0.0969	0.243243243	29.01947	20	-0.32783
PT Malindo Feedmill Tbk (XIDX:MAIN)	2018	0.070127	0.03889	0.162162162	29.09794	21	-0.00196
PT Malindo Feedmill Tbk (XIDX:MAIN)	2019	0.097897	0.232385	0.216216216	29.16758	22	-0.00474
PT Mandom Indonesia Tbk (XIDX:TCID)	2017	0.0584	0.0915	0.189189189	28.49045	48	-0.32802
PT Mandom Indonesia Tbk (XIDX:TCID)	2018	0.06798	0.071086	0.216216216	28.52512	49	-0.00328
PT Mandom Indonesia Tbk (XIDX:TCID)	2019	0.03308	-0.0213	0.216216216	28.58376	50	-0.00224
PT Mark Dynamics Indonesia Tbk (XIDX:MARK)	2018	0.308615	0.157136	0.27027027	26.48557	16	-0.03418
PT Mark Dynamics Indonesia Tbk (XIDX:MARK)	2019	0.203581	0.357344	0.27027027	26.81289	17	-0.01638
PT Martina Berto Tbk (XIDX:MBTO)	2017	0.0308	-0.0134	0.243243243	27.38342	40	-0.36866
PT Martina Berto Tbk (XIDX:MBTO)	2018	0.005153	0.067304	0.189189189	27.19718	41	-0.00389
PT Martina Berto Tbk (XIDX:MBTO)	2019	0.022624	-0.3131	0.27027027	27.10519	42	-0.00314
PT Mayora Indah Tbk (XIDX:MYOR)	2017	0.0487	0.2383	0.297297297	30.33345	40	-0.26577
PT Mayora Indah Tbk (XIDX:MYOR)	2018	0.054124	0.134426	0.297297297	30.49845	41	-0.0048

PT Mayora Indah Tbk (XIDX:MYOR)	2019	0.054779	0.155843	0.243243243	30.57745	42	-0.00002
PT MEGA PERINTIS TBK (XIDX:ZONE)	2019	0.122202	0.14792	0.189189189	27.01232	14	-0.00752
PT Merck Tbk (XIDX:MERK)	2017	0.0669	0.0522	0.243243243	27.46497	47	-0.34534
PT Merck Tbk (XIDX:MERK)	2018	0.032679	-0.43757	0.189189189	27.8646	48	-0.02525
PT Merck Tbk (XIDX:MERK)	2019	0.033368	0.05147	0.243243243	27.52684	49	-0.00227
PT Mulia Industrindo Tbk (XIDX:MLIA)	2017	-374.795	0.014	0.216216216	29.27712	31	-41.29006
PT Mulia Industrindo Tbk (XIDX:MLIA)	2018	0.085394	0.083435	0.216216216	29.29186	32	-0.00581
PT Mulia Industrindo Tbk (XIDX:MLIA)	2019	0.065398	-0.11155	0.243243243	29.38163	33	-0.00143
PT Multi Bintang Indonesia Tbk (XIDX:MLBI)	2017	0.0515	0.2103	0.243243243	28.55133	88	-0.27775
PT Multi Bintang Indonesia Tbk (XIDX:MLBI)	2018	0.101185	0.038741	0.27027027	28.6921	89	-0.0054
PT Multi Bintang Indonesia Tbk (XIDX:MLBI)	2019	0.069603	0.076666	0.297297297	28.69468	90	-0.00174
PT Multi Prima Sejahtera Tbk (XIDX:LPIN)	2019	0.002432	-0.07515	0.216216216	26.50683	37	-0.0056
PT Multistrada Arah Sarana Tbk (XIDX:MASA)	2017	0.1043	-0.0305	0.27027027	29.70443	19	-0.38396
PT Multistrada Arah Sarana Tbk (XIDX:MASA)	2018	-0.05645	0.21657	0.324324324	29.71876	20	-0.00351
PT Multistrada Arah Sarana Tbk (XIDX:MASA)	2019	-0.00234	0.068221	0.297297297	29.5234	21	-0.00625
PT Mustika Ratu Tbk (XIDX:MRAT)	2017	0.0126	-0.1956	0.189189189	26.93257	39	-0.44256
PT Mustika Ratu Tbk (XIDX:MRAT)	2018	0.009041	0.000921	0.189189189	26.96137	40	-0.00667
PT Mustika Ratu Tbk (XIDX:MRAT)	2019	-0.01491	-0.12796	0.189189189	27.00134	41	-0.00748
PT Nippon Indosari Corpindo Tbk (XIDX:ROTI)	2017	0.0909	-0.1598	0.297297297	29.14825	22	-0.30317
PT Nippon Indosari Corpindo Tbk (XIDX:ROTI)	2018	0.078372	-0.01222	0.297297297	29.11122	23	-0.0004
PT Nippon Indosari Corpindo Tbk (XIDX:ROTI)	2019	0.103019	0.110572	0.297297297	29.17476	24	-0.00542
PT Nusantara Inti Corpora Tbk (XIDX:UNIT)	2017	0	-0.1197	0.216216216	26.77861	29	-0.40954
PT Nusantara Inti Corpora Tbk (XIDX:UNIT)	2018	0	-0.00831	0.162162162	26.76281	30	-0.00812
PT Nusantara Inti Corpora Tbk (XIDX:UNIT)	2019	0	0.002451	0.216216216	26.75811	31	-0.00593
PT Pabrik Kertas Tjiwi Kimia Tbk (XIDX:TKIM)	2017	0.0072	-0.0618	0.243243243	31.18584	45	-0.38621
PT Pabrik Kertas Tjiwi Kimia Tbk (XIDX:TKIM)	2018	0.009852	0.014859	0.243243243	31.39078	46	-0.0059
PT Pabrik Kertas Tjiwi Kimia Tbk (XIDX:TKIM)	2019	0.00813	0.043575	0.297297297	31.38216	47	-0.00507
PT Pan Brothers Tbk (XIDX:PBRX)	2017	-0.0004	0.152	0.243243243	29.681	37	-0.29628
PT Pan Brothers Tbk (XIDX:PBRX)	2018	0.011115	0.13926	0.243243243	29.75752	38	-0.00026
PT Pan Brothers Tbk (XIDX:PBRX)	2019	0.021242	0.112888	0.243243243	29.84503	39	-0.00367

PT PANCA BUDI IDAMAN TBK (XIDX:PBID)	2018	-0.03272	0.101677	0.189189189	28.46207	28	-0.00643
PT PANCA BUDI IDAMAN TBK (XIDX:PBID)	2019	0.077103	0.247329	0.216216216	28.48071	29	-0.00242
PT Pelangi Indah Canindo Tbk (XIDX:PICO)	2017	6.0025	0.0092	0.135135135	27.30676	34	-1.02277
PT Pelangi Indah Canindo Tbk (XIDX:PICO)	2018	-5.29415	0.058569	0.135135135	27.47195	35	-0.59312
PT Pelangi Indah Canindo Tbk (XIDX:PICO)	2019	0.009843	0.038793	0.135135135	27.75113	36	-0.00487
PT Pelat Timah Nusantara Tbk (XIDX:NIKL)	2017	0.0154	-0.0415	0.324324324	28.16676	35	-0.37866
PT Pelat Timah Nusantara Tbk (XIDX:NIKL)	2018	0.05373	0.152879	0.378378378	28.39181	36	-0.00565
PT Pelat Timah Nusantara Tbk (XIDX:NIKL)	2019	0.002844	0.074723	0.513513514	28.37706	37	-0.00568
PT Phapros Tbk (XIDX:PEHA)	2018	0.276849	0.227896	0.243243243	28.25624	64	-0.03407
PT Phapros Tbk (XIDX:PEHA)	2019	0.030842	0.020799	0.243243243	28.37139	65	-0.00252
PT Polychem Indonesia Tbk (XIDX:ADMG)	2017	0.0028	0.138	0.189189189	29.25406	31	-0.30247
PT Polychem Indonesia Tbk (XIDX:ADMG)	2018	-0.19604	0.119438	0.216216216	29.03332	32	-0.02372
PT Polychem Indonesia Tbk (XIDX:ADMG)	2019	0.009659	-0.34558	0.27027027	28.89738	33	-0.00456
PT Prasadha Aneka Niaga Tbk (XIDX:PSDN)	2017	0.0133	0.0542	0.135135135	27.26143	43	-0.33855
PT Prasadha Aneka Niaga Tbk (XIDX:PSDN)	2018	0.027372	0.500238	0.162162162	27.27099	44	-0.01952
PT Prasadha Aneka Niaga Tbk (XIDX:PSDN)	2019	0.28749	-0.04681	0.162162162	27.36117	45	-0.02605
PT PRATAMA ABADI NUSA INDUSTRI Tbk (XIDX:PANI)	2019	0.062209	0.585387	0.108108108	25.50833	19	-0.00047
PT Prima Alloy Steel Universal Tbk (XIDX:PRAS)	2017	0.0132	-0.2192	0.162162162	28.06426	34	-0.45246
PT Prima Alloy Steel Universal Tbk (XIDX:PRAS)	2018	0.086402	-0.04974	0.162162162	28.123	35	-0.00052
PT PRIMA CAKRAWALA ABADI Tbk (XIDX:PCAR)	2019	-0.02624	0.303309	0.297297297	25.54946	5	-0.00911
PT Primarindo Asia Infrastructure Tbk (XIDX:BIMA)	2017	0.0073	-0.226	0.378378378	25.21557	29	-0.45464
PT Primarindo Asia Infrastructure Tbk (XIDX:BIMA)	2018	0.015191	-0.10689	0.351351351	25.31018	30	-0.0112
PT Primarindo Asia Infrastructure Tbk (XIDX:BIMA)	2019	1.469228	-0.04928	0.405405405	26.23078	31	-0.15736
PT Pyridam Farma Tbk (XIDX:PYFA)	2017	0.0158	-0.0041	0.189189189	25.79571	41	-0.36312
PT Pyridam Farma Tbk (XIDX:PYFA)	2018	0.111258	0.027891	0.189189189	25.95468	42	-0.006
PT Pyridam Farma Tbk (XIDX:PYFA)	2019	0.00643	0.123063	0.27027027	25.97442	43	-0.00532
PT Ricky Putra Globalindo Tbk (XIDX:RICY)	2017	0.0216	0.0994	0.243243243	27.94698	30	-0.32064
PT Ricky Putra Globalindo Tbk (XIDX:RICY)	2018	0.021366	0.310198	0.162162162	28.06255	31	-0.00966

PT Ricky Putra Globalindo Tbk (XIDX:RICY)	2019	0.012432	0.317062	0.216216216	28.11336	32	-0.00483
PT Samator Indo Gas Tbk (XIDX:AGII)	2017	0.1154	0.1575	0.378378378	29.48787	46	-0.30685
PT Samator Indo Gas Tbk (XIDX:AGII)	2018	0.062604	0.113426	0.378378378	29.5253	47	-0.00473
PT Samator Indo Gas Tbk (XIDX:AGII)	2019	0.07818	0.127741	0.27027027	29.57992	48	-0.00264
PT Saranacentral Bajatama Tbk (XIDX:BAJA)	2017	0.0149	-0.2177	0.216216216	27.57598	24	-0.45203
PT Saranacentral Bajatama Tbk (XIDX:BAJA)	2018	0.017527	0.244654	0.297297297	27.52697	25	-0.00607
PT Saranacentral Bajatama Tbk (XIDX:BAJA)	2019	0.020965	0.050473	0.27027027	27.45294	26	-0.00365
PT SARIGUNA PRIMATIRTA TBK (XIDX:CLEO)	2018	0.292175	0.173199	0.216216216	27.44942	30	-0.03313
PT SARIGUNA PRIMATIRTA TBK (XIDX:CLEO)	2019	0.503296	0.352098	0.243243243	27.85027	31	-0.04968
PT Sat Nusapersada Tbk (XIDX:PTSN)	2017	0.1674	0.0122	0.216216216	27.53723	27	-0.37317
PT Sat Nusapersada Tbk (XIDX:PTSN)	2018	0.075884	0.034134	0.243243243	29.05759	28	-0.00237
PT Sat Nusapersada Tbk (XIDX:PTSN)	2019	0.086919	3.477841	0.297297297	28.43818	29	-0.0007
PT Sekar Bumi Tbk (XIDX:SKBM)	2017	0.0828	0.1019	0.162162162	28.11531	44	-0.3264
PT Sekar Bumi Tbk (XIDX:SKBM)	2018	0.081332	0.226745	0.108108108	28.20277	45	-0.01229
PT Sekar Bumi Tbk (XIDX:SKBM)	2019	0.0341	0.061051	0.135135135	28.23007	46	-0.0022
PT Sekar Laut Tbk (XIDX:SKLT)	2017	0.052	0.1191	0.27027027	27.17891	41	-0.31581
PT Sekar Laut Tbk (XIDX:SKLT)	2018	0.044067	0.096346	0.324324324	27.33972	42	-0.00184
PT Sekar Laut Tbk (XIDX:SKLT)	2019	0.085735	0.143123	0.378378378	27.39637	43	-0.00347
PT Selamat Sempurna Tbk (XIDX:SMSM)	2017	0.1183	0.0275	0.216216216	28.52439	41	-0.36134
PT Selamat Sempurna Tbk (XIDX:SMSM)	2018	0.072494	0.15976	0.216216216	28.66107	42	-0.00807
PT Selamat Sempurna Tbk (XIDX:SMSM)	2019	0.044692	0.177663	0.27027027	28.73528	43	-0.00112
PT Semen Baturaja (Persero) Tbk (XIDX:SMBR)	2017	0.1175	0.0421	0.351351351	29.25245	43	-0.35517
PT Semen Baturaja (Persero) Tbk (XIDX:SMBR)	2018	0.062072	0.018858	0.27027027	29.34267	44	-0.00009
PT Semen Baturaja (Persero) Tbk (XIDX:SMBR)	2019	0.052461	0.286352	0.432432432	29.34864	45	-0.00035
PT Semen Indonesia (Persero) Tbk (XIDX:SMGR)	2017	0.069811	-0.0302	0.342105263	31.52424	46	-0.38
PT Semen Indonesia (Persero) Tbk (XIDX:SMGR)	2018	0.037151	0.064259	0.315789474	31.5659	47	-0.00048
PT Semen Indonesia (Persero) Tbk (XIDX:SMGR)	2019	0.735394	0.103329	0.263157895	32.01063	48	-0.07569
PT Sepatu Bata Tbk (XIDX:BATA)	2018	-0.01753	-0.02527	0.189189189	27.49961	87	-0.01089
PT Sepatu Bata Tbk (XIDX:BATA)	2019	0.042858	0.018634	0.189189189	27.48385	88	-0.00119
PT Siantar Top Tbk (XIDX:STTP)	2018	0.019032	0.074665	0.162162162	28.59846	31	-0.00199

PT Siantar Top Tbk (XIDX:STTP)	2019	0.032842	0.000548	0.216216216	28.68935	32	-0.00228
PT Sky Energy Indonesia Tbk. (XIDX:JSKY)	2018	0.018466	0.264425	0.243243243	27.07004	10	-0.00713
PT Sky Energy Indonesia Tbk. (XIDX:JSKY)	2019	0.012012	0.02012	0.243243243	27.01864	11	-0.00461
PT SLJ Global Tbk (XIDX:SULI)	2017	0.0212	0.1467	0.162162162	27.74264	37	-0.30089
PT SLJ Global Tbk (XIDX:SULI)	2018	0.039503	-0.10577	0.189189189	28.0131	38	-0.00844
PT SLJ Global Tbk (XIDX:SULI)	2019	0.158161	0.423686	0.108108108	28.00957	39	-0.01127
PT Solusi Bangun Indonesia Tbk (XIDX:SMCB)	2017	0.0181	0.0237	0.324324324	30.6079	46	-0.35179
PT Solusi Bangun Indonesia Tbk (XIDX:SMCB)	2018	0.0205	-0.00807	0.243243243	30.55779	47	-0.00583
PT Solusi Bangun Indonesia Tbk (XIDX:SMCB)	2019	0.025301	0.106118	0.324324324	30.60489	48	-0.00321
PT Sreeya Sewu Indonesia Tbk (XIDX:SIPD)	2017	0.0586	0.1486	0.297297297	28.43736	32	-0.30425
PT Sreeya Sewu Indonesia Tbk (XIDX:SIPD)	2018	0.013827	0.009378	0.27027027	28.41395	33	-0.00573
PT Sreeya Sewu Indonesia Tbk (XIDX:SIPD)	2019	0.015855	0.273677	0.27027027	28.53269	34	-0.00441
PT Sri Rejeki Isman Tbk (XIDX:SRIL)	2017	0.0535	0.077	0.216216216	30.41365	39	-0.33352
PT Sri Rejeki Isman Tbk (XIDX:SRIL)	2018	0.27189	0.11679	0.216216216	30.61448	40	-0.02814
PT Sri Rejeki Isman Tbk (XIDX:SRIL)	2019	0.029129	0.361619	0.189189189	30.70719	41	-0.00301
PT STEADFAST MARINE Tbk (XIDX:KPAL)	2019	-0.01492	-0.68691	0.27027027	27.35169	15	-0.00699
PT Steel Pipe Industry of Indonesia Tbk (XIDX:ISSP)	2017	0.0378	-0.0905	0.189189189	29.4667	46	-0.40157
PT Steel Pipe Industry of Indonesia Tbk (XIDX:ISSP)	2018	0.000638	0.123837	0.216216216	29.50191	47	-0.00165
PT Steel Pipe Industry of Indonesia Tbk (XIDX:ISSP)	2019	0.005784	0.219717	0.27027027	29.49114	48	-0.00548
PT Sunson Textile Manufacturer Tbk (XIDX:SSTM)	2017	0.0014	-0.1373	0.081081081	27.12956	45	-0.41702
PT Sunson Textile Manufacturer Tbk (XIDX:SSTM)	2018	-0.03447	-0.21262	0.108108108	27.05508	46	-0.02183
PT Sunson Textile Manufacturer Tbk (XIDX:SSTM)	2019	0.002181	0.193117	0.216216216	26.96698	47	-0.00586
PT Suparma Tbk (XIDX:SPMA)	2017	0.0231	0.1917	0.243243243	28.40835	17	-0.28235
PT Suparma Tbk (XIDX:SPMA)	2018	0.027633	0.083161	0.216216216	28.45644	18	-0.00062
PT Suparma Tbk (XIDX:SPMA)	2019	0.057816	0.141477	0.189189189	28.49481	19	-0.00037
PT Supreme Cable Manufacturing & Commerce Tbk (XIDX:SCCO)	2017	0.4114	0.0593	0.189189189	29.02087	47	-0.38066
PT Supreme Cable Manufacturing & Commerce Tbk (XIDX:SCCO)	2018	0.009325	0.186437	0.162162162	29.05778	48	-0.00234

PT Supreme Cable Manufacturing & Commerce Tbk (XIDX:SCCO)	2019	0.002179	0.162097	0.162162162	29.11277	49	-0.00583
PT Surya Toto Indonesia Tbk (XIDX:TOTO)	2017	0.0036	-0.092	0.27027027	28.67006	40	-0.39839
PT Surya Toto Indonesia Tbk (XIDX:TOTO)	2018	-0.0022	0.051531	0.243243243	28.69474	41	-0.00547
PT Surya Toto Indonesia Tbk (XIDX:TOTO)	2019	0.010286	0.024188	0.216216216	28.70208	42	-0.00481
PT Tembaga Mulia Semanan Tbk (XIDX:TBMS)	2017	-0.0004	-0.0974	0.243243243	28.43436	40	-0.4002
PT Tembaga Mulia Semanan Tbk (XIDX:TBMS)	2018	0.002096	0.330881	0.216216216	28.64814	41	-0.00852
PT Tembaga Mulia Semanan Tbk (XIDX:TBMS)	2019	8.71E-05	0.187866	0.216216216	28.39212	42	-0.00609
PT Tempo Scan Pacific Tbk (XIDX:TSPC)	2017	0.0438	0.1169	0.081081081	29.63721	47	-0.31581
PT Tempo Scan Pacific Tbk (XIDX:TSPC)	2018	0.055038	0.046751	0.216216216	29.69408	48	-0.00066
PT Tempo Scan Pacific Tbk (XIDX:TSPC)	2019	0.031126	0.05464	0.108108108	29.75601	49	-0.00252
PT Tifico Fiber Indonesia Tbk (XIDX:TFCO)	2017	0.0068	0.0094	0.135135135	29.13213	44	-0.3565
PT Tifico Fiber Indonesia Tbk (XIDX:TFCO)	2018	0.020826	0.162114	0.135135135	29.1702	45	-0.00244
PT Tifico Fiber Indonesia Tbk (XIDX:TFCO)	2019	0.002652	0.053089	0.216216216	29.10325	46	-0.00568
PT Tirta Mahakam Resources Tbk (XIDX:TIRT)	2018	0.030881	-0.05681	0.216216216	27.55129	37	-0.00703
PT Tirta Mahakam Resources Tbk (XIDX:TIRT)	2019	0.02862	0.310707	0.243243243	27.52085	38	-0.00302
PT Toba Pulp Lestari Tbk (XIDX:INRU)	2017	0.0284	-0.1281	0.243243243	29.15864	34	-0.41619
PT Toba Pulp Lestari Tbk (XIDX:INRU)	2018	0.062647	0.473285	0.216216216	29.41524	35	-0.02214
PT Toba Pulp Lestari Tbk (XIDX:INRU)	2019	0.283983	-0.02133	0.216216216	29.53086	36	-0.02564
PT Tri Banyan Tirta Tbk (XIDX:ALTO)	2018	0.017079	-0.11579	0.162162162	27.73524	21	-0.01142
PT Tri Banyan Tirta Tbk (XIDX:ALTO)	2019	0.024807	0.107311	0.081081081	27.72946	22	-0.00327
PT Trias Sentosa Tbk (XIDX:TRST)	2017	0.0461	-0.0846	0.189189189	28.83487	38	-0.40003
PT Trias Sentosa Tbk (XIDX:TRST)	2018	0.171027	0.04691	0.189189189	29.08612	39	-0.01356
PT Trias Sentosa Tbk (XIDX:TRST)	2019	0.036165	0.117192	0.216216216	29.10097	40	-0.00202
PT Tridomain Performance Materials Tbk (XIDX:TDPM)	2018	0.004548	0.374999	0.216216216	19.53321	15	-0.01093
PT Tridomain Performance Materials Tbk (XIDX:TDPM)	2019	0.051981	0.679393	0.135135135	19.69124	16	-0.00075
PT Trinitan Metals and Minerals Tbk (XIDX:PURE)	2019	-0.04104	0.140155	0.189189189	27.44976	10	-0.01061
PT Trisula International Tbk (XIDX:TRIS)	2017	0.4494	0.049	0.324324324	27.65176	13	-0.38917

PT Trisula International Tbk (XIDX:TRIS)	2018	0.062055	-0.14204	0.324324324	27.77762	14	-0.00769
PT Trisula International Tbk (XIDX:TRIS)	2019	0.038059	0.805081	0.243243243	27.76839	15	-0.0024
PT TRISULA TEXTILE INDUSTRIES Tbk (XIDX:BELL)	2017	0.1091	-0.2404	0.216216216	27.01369	46	-0.47195
PT TRISULA TEXTILE INDUSTRIES Tbk (XIDX:BELL)	2018	0.101586	0.072007	0.378378378	27.09442	47	-0.00705
PT TRISULA TEXTILE INDUSTRIES Tbk (XIDX:BELL)	2019	0.060529	0.549965	0.378378378	27.10489	48	-0.00032
PT Tunas Alfin Tbk (XIDX:TALF)	2017	0.1506	0.1953	0.162162162	27.65382	30	-0.29501
PT Tunas Alfin Tbk (XIDX:TALF)	2018	0.031447	0.134642	0.162162162	27.72993	31	-0.00229
PT Tunas Alfin Tbk (XIDX:TALF)	2019	0.20625	0.433739	0.162162162	27.91551	32	-0.01661
PT Ultrajaya Milk Industry Tbk (XIDX:ULTJ)	2017	0.105	0.0665	0.243243243	29.27503	46	-0.34362
PT Ultrajaya Milk Industry Tbk (XIDX:ULTJ)	2018	0.043637	0.041308	0.216216216	29.34588	47	-0.00087
PT Ultrajaya Milk Industry Tbk (XIDX:ULTJ)	2019	0.037986	0.121594	0.216216216	29.51937	48	-0.00182
PT Unggul Indah Cahaya Tbk (XIDX:UNIC)	2018	-0.18015	0.160939	0.216216216	28.86167	35	-0.01995
PT Unggul Indah Cahaya Tbk (XIDX:UNIC)	2019	0.005605	0.093116	0.216216216	28.74775	36	-0.00539
PT Unilever Indonesia Tbk (XIDX:UNVR)	2017	0.0829	0.0978	0.513513514	30.61932	84	-0.32812
PT Unilever Indonesia Tbk (XIDX:UNVR)	2018	0.039427	0.028731	0.540540541	30.64296	85	-0.00195
PT Unilever Indonesia Tbk (XIDX:UNVR)	2019	0.035151	0.014502	0.459459459	30.65871	86	-0.00204
PT Voksel Electric Tbk (XIDX:VOKS)	2017	0.0205	0.2658	0.324324324	28.37779	46	-0.25118
PT Voksel Electric Tbk (XIDX:VOKS)	2018	0.076215	0.116679	0.27027027	28.54145	47	-0.0064
PT Voksel Electric Tbk (XIDX:VOKS)	2019	0.064326	0.188681	0.27027027	28.7389	48	-0.00105
PT WAHANA INTERFOOD NUSANTARA Tbk (XIDX:COCO)	2019	0.024639	0.134561	0.243243243	26.2465	13	-0.00331
PT Waskita Beton Precast Tbk (XIDX:WSBP)	2017	0.1158	0.7839	0.432432432	30.33369	3	-0.04588
PT Waskita Beton Precast Tbk (XIDX:WSBP)	2018	0.131783	0.506028	0.540540541	30.35379	4	-0.03141
PT Waskita Beton Precast Tbk (XIDX:WSBP)	2019	0.05414	0.126122	0.486486486	30.28194	5	-0.00003
PT Wijaya Karya Beton Tbk (XIDX:WTON)	2017	0.1371	0.3126	0.324324324	29.5866	20	-0.24463
PT Wijaya Karya Beton Tbk (XIDX:WTON)	2018	0.069963	0.540114	0.243243243	29.81502	21	-0.02619
PT Wijaya Karya Beton Tbk (XIDX:WTON)	2019	0.03456	0.292482	0.405405405	29.96684	22	-0.00235

PT Wilmar Cahaya Indonesia Tbk (XIDX:CEKA)	2017	0.0111	0.1807	0.162162162	27.96222	49	-0.2856
PT Wilmar Cahaya Indonesia Tbk (XIDX:CEKA)	2018	0.00723	0.034551	0.216216216	27.78713	50	-0.00524
PT Wilmar Cahaya Indonesia Tbk (XIDX:CEKA)	2019	0.01335	-0.14759	0.162162162	27.96254	51	-0.00432
PT Wismilak Inti Makmur Tbk (XIDX:WIIM)	2017	0.0199	-0.0835	0.216216216	27.83454	23	-0.39666
PT Wismilak Inti Makmur Tbk (XIDX:WIIM)	2018	0.044094	-0.1242	0.297297297	27.85861	24	-0.00882
PT Wismilak Inti Makmur Tbk (XIDX:WIIM)	2019	0.051412	-0.04812	0.189189189	27.89302	25	-0.00018



LAMPIRAN III

DAFTAR SAMPEL SETELAH ELIMINASI *OUTLIER*

KODE	NAMA PERUSAHAAN	TAHUN
ADES	PT Akasha Wira International Tbk (XIDX:ADES)	2018
ADES	PT Akasha Wira International Tbk (XIDX:ADES)	2019
ADMG	PT Polychem Indonesia Tbk (XIDX:ADMG)	2017
AGII	PT Samator Indo Gas Tbk (XIDX:AGII)	2018
AGII	PT Samator Indo Gas Tbk (XIDX:AGII)	2017
AGII	PT Samator Indo Gas Tbk (XIDX:AGII)	2019
AISA	PT FKS Food Sejahtera Tbk (XIDX:AISA)	2019
AKPI	PT Argha Karya Prima Industry Tbk (XIDX:AKPI)	2019
AKPI	PT Argha Karya Prima Industry Tbk (XIDX:AKPI)	2018
AKPI	PT Argha Karya Prima Industry Tbk (XIDX:AKPI)	2017
ALMI	PT Alumindo Light Metal Industry Tbk (XIDX:ALMI)	2019
ALTO	PT Tri Banyan Tirta Tbk (XIDX:ALTO)	2019
AMFG	PT Asahimas Flat Glass Tbk (XIDX:AMFG)	2019
AMIN	PT Ateliers Mecaniques D'Indonesie Tbk (XIDX:AMIN)	2019
APLI	PT Asiaplast Industries Tbk (XIDX:APLI)	2018
APLI	PT Asiaplast Industries Tbk (XIDX:APLI)	2019
ARGO	PT Argo Pantes Tbk (XIDX:ARGO)	2019
ARNA	PT Arwana Citramulia Tbk (XIDX:ARNA)	2017
ARNA	PT Arwana Citramulia Tbk (XIDX:ARNA)	2018
ARNA	PT Arwana Citramulia Tbk (XIDX:ARNA)	2019
AUTO	PT Astra Otoparts Tbk (XIDX:AUTO)	2019
AUTO	PT Astra Otoparts Tbk (XIDX:AUTO)	2017
AUTO	PT Astra Otoparts Tbk (XIDX:AUTO)	2018
BAJA	PT Saranacentral Bajatama Tbk (XIDX:BAJA)	2018
BAJA	PT Saranacentral Bajatama Tbk (XIDX:BAJA)	2019
BELL	PT TRISULA TEXTILE INDUSTRIES Tbk (XIDX:BELL)	2018
BIMA	PT Primarindo Asia Infrastructure Tbk (XIDX:BIMA)	2018
BOLT	PT Garuda Metalindo Tbk (XIDX:BOLT)	2018
BOLT	PT Garuda Metalindo Tbk (XIDX:BOLT)	2019
BOLT	PT Garuda Metalindo Tbk (XIDX:BOLT)	2017
BRAM	PT Indo Kordsa Tbk (XIDX:BRAM)	2017
BRAM	PT Indo Kordsa Tbk (XIDX:BRAM)	2019
BRAM	PT Indo Kordsa Tbk (XIDX:BRAM)	2018
BRNA	PT Berlina Tbk (XIDX:BRNA)	2019
BRNA	PT Berlina Tbk (XIDX:BRNA)	2017
BRNA	PT Berlina Tbk (XIDX:BRNA)	2018
BRPT	PT Barito Pacific Tbk (XIDX:BRPT)	2019
BTEK	PT Bumi Teknokultura Unggul Tbk (XIDX:BTEK)	2019

BTON	PT Betonjaya Manunggal Tbk (XIDX:BTON)	2017
BTON	PT Betonjaya Manunggal Tbk (XIDX:BTON)	2019
CAKK	PT CAHAYAPUTRA ASA KERAMIK TBK (XIDX:CAKK)	2019
CAMP	PT CAMPINA ICE CREAM INDUSTRY, Tbk. (XIDX:CAMP)	2018
CAMP	PT CAMPINA ICE CREAM INDUSTRY, Tbk. (XIDX:CAMP)	2019
CEKA	PT Wilmar Cahaya Indonesia Tbk (XIDX:CEKA)	2018
CEKA	PT Wilmar Cahaya Indonesia Tbk (XIDX:CEKA)	2019
CEKA	PT Wilmar Cahaya Indonesia Tbk (XIDX:CEKA)	2017
CINT	PT Chitose Internasional Tbk (XIDX:CINT)	2019
CINT	PT Chitose Internasional Tbk (XIDX:CINT)	2018
COCO	PT WAHANA INTERFOOD NUSANTARA Tbk (XIDX:COCO)	2019
CPIN	PT Charoen Pokphand Indonesia Tbk (XIDX:CPIN)	2019
CPIN	PT Charoen Pokphand Indonesia Tbk (XIDX:CPIN)	2017
CPRO	PT Central Proteina Prima Tbk (XIDX:CPRO)	2019
CPRO	PT Central Proteina Prima Tbk (XIDX:CPRO)	2017
DLTA	PT Delta Djakarta Tbk (XIDX:DLTA)	2019
DLTA	PT Delta Djakarta Tbk (XIDX:DLTA)	2017
DLTA	PT Delta Djakarta Tbk (XIDX:DLTA)	2018
DPNS	PT Duta Pertiwi Nusantara Tbk (XIDX:DPNS)	2017
DPNS	PT Duta Pertiwi Nusantara Tbk (XIDX:DPNS)	2019
DPNS	PT Duta Pertiwi Nusantara Tbk (XIDX:DPNS)	2018
DVLA	PT Darya-Varia Laboratoria Tbk (XIDX:DVLA)	2018
DVLA	PT Darya-Varia Laboratoria Tbk (XIDX:DVLA)	2017
DVLA	PT Darya-Varia Laboratoria Tbk (XIDX:DVLA)	2019
EKAD	PT Ekadharma International Tbk (XIDX:EKAD)	2019
EKAD	PT Ekadharma International Tbk (XIDX:EKAD)	2017
EKAD	PT Ekadharma International Tbk (XIDX:EKAD)	2018
ERTX	PT Eratex Djaja Tbk (XIDX:ERTX)	2019
ERTX	PT Eratex Djaja Tbk (XIDX:ERTX)	2018
ERTX	PT Eratex Djaja Tbk (XIDX:ERTX)	2017
FASW	PT Fajar Surya Wisesa Tbk (XIDX:FASW)	2019
FASW	PT Fajar Surya Wisesa Tbk (XIDX:FASW)	2017
FPNI	PT Lotte Chemical Titan Tbk (XIDX:FPNI)	2017
FPNI	PT Lotte Chemical Titan Tbk (XIDX:FPNI)	2018
FPNI	PT Lotte Chemical Titan Tbk (XIDX:FPNI)	2019
GDST	PT Gunawan Dianjaya Steel Tbk (XIDX:GDST)	2017
GDST	PT Gunawan Dianjaya Steel Tbk (XIDX:GDST)	2019
GGRM	PT Gudang Garam Tbk (XIDX:GGRM)	2018
GGRM	PT Gudang Garam Tbk (XIDX:GGRM)	2017
GGRM	PT Gudang Garam Tbk (XIDX:GGRM)	2019

GJTL	PT Gajah Tunggul Tbk (XIDX:GJTL)	2019
GJTL	PT Gajah Tunggul Tbk (XIDX:GJTL)	2017
GMFI	PT Garuda Maintenance Facility Aero Asia Tbk (XIDX:GMFI)	2017
GMFI	PT Garuda Maintenance Facility Aero Asia Tbk (XIDX:GMFI)	2018
GMFI	PT Garuda Maintenance Facility Aero Asia Tbk (XIDX:GMFI)	2019
GOOD	PT Garudafood Putra Putri Jaya Tbk (XIDX:GOOD)	2019
HMSP	PT Hanjaya Mandala Sampoerna Tbk (XIDX:HMSP)	2019
HMSP	PT Hanjaya Mandala Sampoerna Tbk (XIDX:HMSP)	2018
HMSP	PT Hanjaya Mandala Sampoerna Tbk (XIDX:HMSP)	2017
HOKI	PT Buyung Poetra Sembada Tbk (XIDX:HOKI)	2019
HRTA	PT HARTADINATA ABADI TBK (XIDX:HRTA)	2018
HRTA	PT HARTADINATA ABADI TBK (XIDX:HRTA)	2019
ICBP	PT Indofood CBP Sukses Makmur Tbk (XIDX:ICBP)	2017
ICBP	PT Indofood CBP Sukses Makmur Tbk (XIDX:ICBP)	2019
ICBP	PT Indofood CBP Sukses Makmur Tbk (XIDX:ICBP)	2018
IGAR	PT Champion Pacific Indonesia Tbk (XIDX:IGAR)	2019
IGAR	PT Champion Pacific Indonesia Tbk (XIDX:IGAR)	2018
IGAR	PT Champion Pacific Indonesia Tbk (XIDX:IGAR)	2017
IIKP	PT Inti Agri Resources Tbk (XIDX:IIKP)	2018
IIKP	PT Inti Agri Resources Tbk (XIDX:IIKP)	2019
IKAI	PT Intikeramik Alamasri Industri Tbk (XIDX:IKAI)	2019
IMAS	PT Indomobil Sukses Internasional Tbk (XIDX:IMAS)	2018
IMAS	PT Indomobil Sukses Internasional Tbk (XIDX:IMAS)	2017
IMAS	PT Indomobil Sukses Internasional Tbk (XIDX:IMAS)	2019
IMPC	PT Impack Pratama Industri Tbk (XIDX:IMPC)	2019
IMPC	PT Impack Pratama Industri Tbk (XIDX:IMPC)	2018
IMPC	PT Impack Pratama Industri Tbk (XIDX:IMPC)	2017
INAF	PT Indofarma Tbk (XIDX:INAF)	2017
INAF	PT Indofarma Tbk (XIDX:INAF)	2018
INAF	PT Indofarma Tbk (XIDX:INAF)	2019
INAI	PT Indal Aluminium Industry Tbk (XIDX:INAI)	2019
INAI	PT Indal Aluminium Industry Tbk (XIDX:INAI)	2017
INCF	PT Indo Komoditi Korpora Tbk (XIDX:INCF)	2019
INCI	PT Intanwijaya Internasional Tbk (XIDX:INCI)	2017
INDF	PT Indofood Sukses Makmur Tbk (XIDX:INDF)	2019
INDF	PT Indofood Sukses Makmur Tbk (XIDX:INDF)	2018
INDF	PT Indofood Sukses Makmur Tbk (XIDX:INDF)	2017
INDR	PT Indo-Rama Synthetics Tbk (XIDX:INDR)	2018
INDR	PT Indo-Rama Synthetics Tbk (XIDX:INDR)	2017
INDR	PT Indo-Rama Synthetics Tbk (XIDX:INDR)	2019

INDS	PT Indospring Tbk (XIDX:INDS)	2018
INDS	PT Indospring Tbk (XIDX:INDS)	2019
INKP	PT Indah Kiat Pulp & Paper Tbk (XIDX:INKP)	2017
INRU	PT Toba Pulp Lestari Tbk (XIDX:INRU)	2017
INTP	PT Indocement Tunggal Prakarsa Tbk (XIDX:INTP)	2019
INTP	PT Indocement Tunggal Prakarsa Tbk (XIDX:INTP)	2017
INTP	PT Indocement Tunggal Prakarsa Tbk (XIDX:INTP)	2018
IPOL	PT Indopoly Swakarsa Industry Tbk (XIDX:IPOL)	2019
ISSP	PT Steel Pipe Industry of Indonesia Tbk (XIDX:ISSP)	2019
ISSP	PT Steel Pipe Industry of Indonesia Tbk (XIDX:ISSP)	2018
ISSP	PT Steel Pipe Industry of Indonesia Tbk (XIDX:ISSP)	2017
JECC	PT Jembo Cable Company Tbk (XIDX:JECC)	2018
JECC	PT Jembo Cable Company Tbk (XIDX:JECC)	2017
JPFA	PT Japfa Comfeed Indonesia Tbk (XIDX:JPFA)	2017
JPFA	PT Japfa Comfeed Indonesia Tbk (XIDX:JPFA)	2019
JSKY	PT Sky Energy Indonesia Tbk. (XIDX:JSKY)	2019
JSKY	PT Sky Energy Indonesia Tbk. (XIDX:JSKY)	2018
KBLI	PT KMI Wire and Cable Tbk (XIDX:KBLI)	2018
KBLI	PT KMI Wire and Cable Tbk (XIDX:KBLI)	2019
KBLM	PT Kabelindo Murni Tbk (XIDX:KBLM)	2019
KBLM	PT Kabelindo Murni Tbk (XIDX:KBLM)	2018
KDSI	PT Kedawang Setia Industrial Tbk (XIDX:KDSI)	2017
KDSI	PT Kedawang Setia Industrial Tbk (XIDX:KDSI)	2019
KDSI	PT Kedawang Setia Industrial Tbk (XIDX:KDSI)	2018
KIAS	PT Keramik Indonesia Asosiasi Tbk (XIDX:KIAS)	2018
KIAS	PT Keramik Indonesia Asosiasi Tbk (XIDX:KIAS)	2017
KICI	PT Kedaung Indah Can Tbk (XIDX:KICI)	2018
KINO	PT Kino Indonesia Tbk (XIDX:KINO)	2017
KLBF	PT Kalbe Farma Tbk (XIDX:KLBF)	2018
KRAH	PT Grand Kartech Tbk (XIDX:KRAH)	2017
KRAS	PT Krakatau Steel (Persero) Tbk (XIDX:KRAS)	2018
KRAS	PT Krakatau Steel (Persero) Tbk (XIDX:KRAS)	2017
KRAS	PT Krakatau Steel (Persero) Tbk (XIDX:KRAS)	2019
LION	PT Lion Metal Works Tbk (XIDX:LION)	2019
LMPI	PT Langgeng Makmur Industri Tbk (XIDX:LMPI)	2019
LMPI	PT Langgeng Makmur Industri Tbk (XIDX:LMPI)	2018
LMPI	PT Langgeng Makmur Industri Tbk (XIDX:LMPI)	2017
LMSH	PT Lionmesh Prima Tbk (XIDX:LMSH)	2019
LMSH	PT Lionmesh Prima Tbk (XIDX:LMSH)	2017
LPIN	PT Multi Prima Sejahtera Tbk (XIDX:LPIN)	2019
MAIN	PT Malindo Feedmill Tbk (XIDX:MAIN)	2017
MAIN	PT Malindo Feedmill Tbk (XIDX:MAIN)	2019

MAIN	PT Malindo Feedmill Tbk (XIDX:MAIN)	2018
MASA	PT Multistrada Arah Sarana Tbk (XIDX:MASA)	2018
MASA	PT Multistrada Arah Sarana Tbk (XIDX:MASA)	2019
MASA	PT Multistrada Arah Sarana Tbk (XIDX:MASA)	2017
MBTO	PT Martina Berto Tbk (XIDX:MBTO)	2017
MBTO	PT Martina Berto Tbk (XIDX:MBTO)	2018
MDKI	PT EMDEKI UTAMA Tbk (XIDX:MDKI)	2018
MDKI	PT EMDEKI UTAMA Tbk (XIDX:MDKI)	2019
MERK	PT Merck Tbk (XIDX:MERK)	2019
MLIA	PT Mulia Industrindo Tbk (XIDX:MLIA)	2019
MLIA	PT Mulia Industrindo Tbk (XIDX:MLIA)	2018
MOLI	PT MADUSARI MURNI INDAH Tbk (XIDX:MOLI)	2019
MRAT	PT Mustika Ratu Tbk (XIDX:MRAT)	2017
MRAT	PT Mustika Ratu Tbk (XIDX:MRAT)	2018
MRAT	PT Mustika Ratu Tbk (XIDX:MRAT)	2019
MYOR	PT Mayora Indah Tbk (XIDX:MYOR)	2017
MYOR	PT Mayora Indah Tbk (XIDX:MYOR)	2018
MYOR	PT Mayora Indah Tbk (XIDX:MYOR)	2019
MYTX	PT Asia Pacific Investama Tbk (XIDX:MYTX)	2018
NIKL	PT Pelat Timah Nusantara Tbk (XIDX:NIKL)	2018
NIKL	PT Pelat Timah Nusantara Tbk (XIDX:NIKL)	2017
PBID	PT PANCA BUDI IDAMAN TBK (XIDX:PBID)	2019
PBID	PT PANCA BUDI IDAMAN TBK (XIDX:PBID)	2018
PBRX	PT Pan Brothers Tbk (XIDX:PBRX)	2018
PBRX	PT Pan Brothers Tbk (XIDX:PBRX)	2019
PBRX	PT Pan Brothers Tbk (XIDX:PBRX)	2017
PCAR	PT PRIMA CAKRAWALA ABADI Tbk (XIDX:PCAR)	2019
PEHA	PT Phapros Tbk (XIDX:PEHA)	2019
PICO	PT Pelangi Indah Canindo Tbk (XIDX:PICO)	2019
POLY	PT Asia Pacific Fibers Tbk (XIDX:POLY)	2019
PRAS	PT Prima Alloy Steel Universal Tbk (XIDX:PRAS)	2018
PSDN	PT Prasadha Aneka Niaga Tbk (XIDX:PSDN)	2017
PTSN	PT Sat Nusapersada Tbk (XIDX:PTSN)	2018
PURE	PT Trinitan Metals and Minerals Tbk (XIDX:PURE)	2019
PYFA	PT Pyridam Farma Tbk (XIDX:PYFA)	2019
PYFA	PT Pyridam Farma Tbk (XIDX:PYFA)	2017
RICY	PT Ricky Putra Globalindo Tbk (XIDX:RICY)	2017
RICY	PT Ricky Putra Globalindo Tbk (XIDX:RICY)	2019
RICY	PT Ricky Putra Globalindo Tbk (XIDX:RICY)	2018
ROTI	PT Nippon Indosari Corpindo Tbk (XIDX:ROTI)	2018
ROTI	PT Nippon Indosari Corpindo Tbk (XIDX:ROTI)	2017
ROTI	PT Nippon Indosari Corpindo Tbk (XIDX:ROTI)	2019

SCCO	PT Supreme Cable Manufacturing & Commerce Tbk (XIDX:SCCO)	2018
SCCO	PT Supreme Cable Manufacturing & Commerce Tbk (XIDX:SCCO)	2019
SIDO	PT Industri Jamu dan Farmasi Sido Muncul Tbk (XIDX:SIDO)	2017
SIDO	PT Industri Jamu dan Farmasi Sido Muncul Tbk (XIDX:SIDO)	2018
SIDO	PT Industri Jamu dan Farmasi Sido Muncul Tbk (XIDX:SIDO)	2019
SIPD	PT Sreeya Sewu Indonesia Tbk (XIDX:SIPD)	2017
SIPD	PT Sreeya Sewu Indonesia Tbk (XIDX:SIPD)	2019
SIPD	PT Sreeya Sewu Indonesia Tbk (XIDX:SIPD)	2018
SKBM	PT Sekar Bumi Tbk (XIDX:SKBM)	2017
SKBM	PT Sekar Bumi Tbk (XIDX:SKBM)	2019
SKLT	PT Sekar Laut Tbk (XIDX:SKLT)	2019
SKLT	PT Sekar Laut Tbk (XIDX:SKLT)	2018
SKLT	PT Sekar Laut Tbk (XIDX:SKLT)	2017
SMBR	PT Semen Baturaja (Persero) Tbk (XIDX:SMBR)	2017
SMBR	PT Semen Baturaja (Persero) Tbk (XIDX:SMBR)	2018
SMCB	PT Solusi Bangun Indonesia Tbk (XIDX:SMCB)	2019
SMCB	PT Solusi Bangun Indonesia Tbk (XIDX:SMCB)	2017
SMCB	PT Solusi Bangun Indonesia Tbk (XIDX:SMCB)	2018
SMSM	PT Selamat Sempurna Tbk (XIDX:SMSM)	2019
SMSM	PT Selamat Sempurna Tbk (XIDX:SMSM)	2017
SMSM	PT Selamat Sempurna Tbk (XIDX:SMSM)	2018
SPMA	PT Suparma Tbk (XIDX:SPMA)	2017
SPMA	PT Suparma Tbk (XIDX:SPMA)	2018
SPMA	PT Suparma Tbk (XIDX:SPMA)	2019
SRIL	PT Sri Rejeki Isman Tbk (XIDX:SRIL)	2017
SRSN	PT Indo Acidatama Tbk (XIDX:SRSN)	2019
SRSN	PT Indo Acidatama Tbk (XIDX:SRSN)	2017
SRSN	PT Indo Acidatama Tbk (XIDX:SRSN)	2018
SSTM	PT Sunson Textile Manufacturer Tbk (XIDX:SSTM)	2019
SSTM	PT Sunson Textile Manufacturer Tbk (XIDX:SSTM)	2017
STTP	PT Siantar Top Tbk (XIDX:STTP)	2019
STTP	PT Siantar Top Tbk (XIDX:STTP)	2018
SULI	PT SLJ Global Tbk (XIDX:SULI)	2018
SULI	PT SLJ Global Tbk (XIDX:SULI)	2017
TALF	PT Tunas Alfin Tbk (XIDX:TALF)	2018
TBMS	PT Tembaga Mulia Semanan Tbk (XIDX:TBMS)	2017
TBMS	PT Tembaga Mulia Semanan Tbk (XIDX:TBMS)	2019
TBMS	PT Tembaga Mulia Semanan Tbk (XIDX:TBMS)	2018

TCID	PT Mandom Indonesia Tbk (XIDX:TCID)	2019
TCID	PT Mandom Indonesia Tbk (XIDX:TCID)	2018
TCID	PT Mandom Indonesia Tbk (XIDX:TCID)	2017
TFCO	PT Tifico Fiber Indonesia Tbk (XIDX:TFCO)	2019
TFCO	PT Tifico Fiber Indonesia Tbk (XIDX:TFCO)	2018
TFCO	PT Tifico Fiber Indonesia Tbk (XIDX:TFCO)	2017
TIRT	PT Tirta Mahakam Resources Tbk (XIDX:TIRT)	2019
TIRT	PT Tirta Mahakam Resources Tbk (XIDX:TIRT)	2018
TKIM	PT Pabrik Kertas Tjiwi Kimia Tbk (XIDX:TKIM)	2019
TKIM	PT Pabrik Kertas Tjiwi Kimia Tbk (XIDX:TKIM)	2017
TKIM	PT Pabrik Kertas Tjiwi Kimia Tbk (XIDX:TKIM)	2018
TOTO	PT Surya Toto Indonesia Tbk (XIDX:TOTO)	2017
TOTO	PT Surya Toto Indonesia Tbk (XIDX:TOTO)	2018
TOTO	PT Surya Toto Indonesia Tbk (XIDX:TOTO)	2019
TPIA	PT Chandra Asri Petrochemical Tbk (XIDX:TPIA)	2019
TRIS	PT Trisula International Tbk (XIDX:TRIS)	2018
TRST	PT Trias Sentosa Tbk (XIDX:TRST)	2019
TRST	PT Trias Sentosa Tbk (XIDX:TRST)	2017
TSPC	PT Tempo Scan Pacific Tbk (XIDX:TSPC)	2018
TSPC	PT Tempo Scan Pacific Tbk (XIDX:TSPC)	2019
TSPC	PT Tempo Scan Pacific Tbk (XIDX:TSPC)	2017
ULTJ	PT Ultrajaya Milk Industry Tbk (XIDX:ULTJ)	2017
ULTJ	PT Ultrajaya Milk Industry Tbk (XIDX:ULTJ)	2018
ULTJ	PT Ultrajaya Milk Industry Tbk (XIDX:ULTJ)	2019
UNIC	PT Unggul Indah Cahaya Tbk (XIDX:UNIC)	2019
UNIT	PT Nusantara Inti Corpora Tbk (XIDX:UNIT)	2017
UNIT	PT Nusantara Inti Corpora Tbk (XIDX:UNIT)	2019
UNIT	PT Nusantara Inti Corpora Tbk (XIDX:UNIT)	2018
VOKS	PT Voksel Electric Tbk (XIDX:VOKS)	2017
VOKS	PT Voksel Electric Tbk (XIDX:VOKS)	2019
VOKS	PT Voksel Electric Tbk (XIDX:VOKS)	2018
WIIM	PT Wismilak Inti Makmur Tbk (XIDX:WIIM)	2018
WIIM	PT Wismilak Inti Makmur Tbk (XIDX:WIIM)	2017
WIIM	PT Wismilak Inti Makmur Tbk (XIDX:WIIM)	2019
WOOD	PT Integra Indocabinet Tbk (XIDX:WOOD)	2019
WOOD	PT Integra Indocabinet Tbk (XIDX:WOOD)	2017
WTON	PT Wijaya Karya Beton Tbk (XIDX:WTON)	2019
ZONE	PT MEGA PERINTIS TBK (XIDX:ZONE)	2019