



65	BTPS	Bank Tabungan Pensiunan Nasional Syariah Tbk	X	X	V						
66	BUDI	Budi Starch & Sweetener Tbk	V	V	V	V	V	V	V	V	V
67	BUKK	Bukaka Teknik Utama Tbk	V	V	V	V	V	V	V	V	X
68	BULL	Buana Lintas Lautan Tbk	X	V	V						
69	BUVA	Bukit Uluwatu Villa Tbk	V	V	V	V	V	V	V	V	V
70	BWPT	Eagle High Plantations Tbk	X	X	V						
71	BYAN	Bayan Resources Tbk	X	V	V						
72	CAMP	Campina Ice Cream Industry Tbk	X	V	V						
73	CAKK	Cahayaputra Asa Keramik Tbk	X	X	V						
74	CANI	Capitol Nusantara Indonesia Tbk	X	V	V						
75	CASS	Cardig Aero Service Tbk	V	V	V	V	V	V	V	V	V
76	CEKA	Wilma Cahaya Indonesia Tbk	V	V	V	V	V	V	V	V	V
77	CENT	Centratama Telekomunikasi Indonesia Tbk	X	V	V						
78	CINT	Chitose International Tbk	V	V	V	V	V	V	V	V	V
79	CKRA	Cakra Mineral Tbk	V	V	V	V	V	V	V	V	V
80	CLEO	Sariguna Primatirta Tbk	V	V	V	V	V	V	V	V	V
81	CLPI	Colorpak Indonesia Tbk	V	V	V	V	V	V	V	V	V
82	CMNP	Citra Marga Nusaphala Persada Tbk	V	V	V	V	V	V	V	V	V
83	CMPP	Air Asia Indonesia Tbk	V	X	V						
84	CNKO	Exploitasi Energi Indonesia Tbk	V	X	X						
85	CPIN	Charoen Pokphand Indonesia Tbk	V	V	V	V	V	V	V	V	V
86	CSAP	Catur Sentosa Adiprana Tbk	V	V	V	V	V	V	V	V	V
87	CSIS	Cahayasakti Investindo Sukses Tbk	X	V	V						
88	CTBN	Citra Tubindo Tbk	V	V	V	X	X	X			

114	EMTK	Elang Mahkota Teknologi Tbk	X	X	V						
115	ENRG	Energi Mega Persada Tbk	V	V	X						
116	EPMT	Envesal Putera Megatrading Tbk	V	V	V	V	V	V	X	X	X
117	ERAA	Erajaya Swasembada Tbk	V	V	V	V	V	V	V	V	V
118	ESTI	Ever Shine Tex Tbk	X	V	X						
119	EXCL	XL Axiata Tbk	V	V	V	V	V	V	V	V	X
120	FAST	Fast Food Indonesia Tbk	V	V	V	V	V	V	V	V	V
121	FASW	Fajar Surya Wesesa Tbk	V	X	V						
122	FILM	MD Pictures Tbk	X	X	V						
123	FIRE	Alfa Energi Investama Tbk	X	V	V						
124	FISH	FKS Multi Agro Tbk	V	V	V	X	X	X			
125	FMII	Fortune Mate Indonesia Tbk	V	V	V	V	V	V	V	V	V
126	FOOD	Sentra Food Indoneisa Tbk	X	X	V						
127	FORZ	Forza Land Indonesia Tbk	X	X	V						
128	FPNI	Lotte Chemical Titan Tbk	V	V	V	X	X	X			
129	FREN	Smartfren Telecom Tbk	-	-	V						
130	GAMA	Gading Development Tbk	V	V	V	V	V	V	V	X	X
131	GDST	Gunawan Dianjaya Steel Tbk	V	V	V	V	V	V	V	V	V
132	GDYR	Goodyear Indonesia Tbk	V	V	V	X	X	X			
133	GEMA	Gema Grahasarana Tbk	V	V	V	V	V	V	V	V	V
134	GEMS	Golden Energy Mines Tbk	V	V	V	X	X	X			
135	GHON	Gihon Telekomunikasi Indonesia Tbk	X	X	V						
136	GIAA	Garuda Indonesia (Persero) Tbk	V	V	V	X	X	X			
137	GJTL	Gajah Tunggal Tbk	V	V	V	V	V	V	V	V	V
138	GMFI	Garuda Maintenance Facility Aero	X	V	V						

161	ICON	Island Concept Indonesia Tbk	V	V	V	V	V	V	V	V	V	V
162	IDPR	Indonesia Pondasi Raya Tbk	V	V	V	V	V	V	X	V	V	V
163	IGAR	Champion Pacific Indonesia Tbk	V	V	V	V	V	V	V	V	V	V
164	IIKP	Inti Agri Resources Tbk	V	V	V	V	V	V	X	V	X	X
165	IKAI	Intikeramik Alamasri Industri Tbk	V	X	X							
166	IKBI	Sumi Indo Kabel Tbk	V	V	V	X	X	X				
167	IMPC	Impack Pratama Industri Tbk	V	V	V	V	V	V	X	V	V	V
168	INAF	Indofarma Tbk	V	V	V	V	V	V	X	V	X	X
169	INAI	Indal Alumunium Industry Tbk	V	V	X							
170	INCI	Intanwijaya Internasional Tbk	V	V	V	V	V	V	X	V	X	X
171	INCO	Vale Indonesia Tbk	V	V	V	X	X	X				
172	INDF	Indofood Sukses Makmur Tbk	V	V	V	V	V	V	X	V	X	X
173	INDR	Indo-Rama Synthetics Tbk	V	V	V	X	X	X				
174	INDS	Indospring Tbk	X	V	V							
175	INDX	Tanah Laut Tbk	V	V	V	V	V	V	V	V	V	V
176	INDY	Indika Energi Tbk	X	V	V							
177	INPP	Indonesian Paradise Property Tbk	V	V	V	V	V	V	V	X	V	V
178	INRU	Toba Pulp Lestari Tbk	V	V	X							
179	INTD	Inter Delta Tbk	V	V	X							
180	INTP	Indocement Tunggal Perkasa Tbk	V	V	V	V	V	V	V	V	V	V
181	IPCC	Indonesia Kendaraan Terminal Tbk	X	X	V							
182	IPCM	Jasa Armada Indonesia Tbk	X	V	V							
183	IPOL	Indopoly Swakarsa Industry Tbk	V	V	V	X	X	X				
184	ISAT	Indosat Tbk	V	V	V	X	X	X				
185	ISSP	Steel Pipe Industry of Indonesia Tbk	V	X	V							
186	ITMA	Sumber Energi Andalan Tbk	X	V	V							

262	MINA	Sanurhasta Mitra Tbk	V	V	V	V	V	V	V	V	X	V
263	MIRA	Mitra Internasional Resources Tbk	V	V	V	V	V	V	V	V	V	V
264	MITI	Mitra Investindo Tbk	V	V	V	V	V	V	V	V	V	V
265	MKNT	Mitra Komunikasi Nusantara Tbk	V	X	X							
266	MKPI	Metropolitan Ketjana Tbk	V	V	V	V	V	V	X	X		V
267	MLIA	Multi Industrindo Tbk	X	X	V							
268	MLPL	Multipolar Tbk	V	V	V	V	V	V	V	V	V	V
269	MLPT	Multipolar Technology Tbk	V	V	V	X	X	X				
270	MMLP	Mega Manunggal Propherty Tbk	X	V	V							
271	MNCN	Media Nusantara Citra Tbk	X	V	V							
272	MPMX	Mitra Pinasthika Mustika Tbk	X	V	V							
273	MPPA	Matahari Putra Prima Tbk	V	V	V	V	V	V	V	V	V	V
274	MRAT	Mustika Ratu Tbk	V	V	V	V	V	V	V	V	V	V
275	MTDL	Metrodata Electronics Tbk	V	V	V	V	V	V	V	V	V	V
276	MTLA	Metropolitan Land Tbk	V	V	V	V	V	V	V	V	V	V
277	MTRA	Mitra Pemuda Tbk	V	V	X							
278	MSIN	MNC Studio Internasional Tbk	X	X	V							
279	MTSM	Metro Reality Tbk	V	V	V	V	V	V	V	V	V	V
280	MYOH	Samindo Resources Tbk	V	V	V	X	X	X				
281	MYOR	Mayora Indah Tbk	V	V	V	V	V	V	V	V	V	V
282	MYRX	Hanson International Tbk	V	V	X							
283	NASA	Ayana Land International Tbk	X	V	X							
284	NATO	Nusantara Property International Tbk	X	X	V							
285	NELY	Pelayaran Nelly Dwi Putri Tbk	V	V	V	V	V	V	V	V	V	X
286	NFCX	NFC Indonesia Tbk	X	X	V							
287	NIKL	Pelat Timah Nusantara Tbk	V	V	V	X	X	X				

288	NIPS	Nipress Tbk	V	X	X						
289	NRCA	Nusa Raya Cipta Tbk	V	V	V	V	V	V	V	V	V
290	OASA	Protech Mitra Perkasa Tbk	V	X	V						
291	OMRE	Indonesia Prima Property Tbk	V	V	V	V	V	V	V	V	V
292	PALM	Provident Agro Tbk	V	V	V	V	V	V	V	X	V
293	PANI	Pratama Abadi Nusantara Industri Tbk	X	X	V						
294	PANR	Panorama Sentrawisata Tbk	V	V	V	V	V	V	V	V	X
295	PBID	Pancabudi Idaman Tbk	X	V	V						
296	PBRX	Pan Brothers Tbk	V	X	X						
297	PBSA	Paramita Bangun Sarana Tbk	V	V	V	V	V	V	V	V	V
298	PCAR	Prima Cakrawala Abadi Tbk	X	V	V						
299	PDES	Destinasi Tirta Nusantara Tbk	V	V	V	V	V	V	V	V	V
300	PEHA	Phapros Tbk	X	X	V						
301	PGAS	Perusahaan Gas Negara (Persero) Tbk	V	V	V	V	V	V	X	X	V
302	PGLI	Pembangun Graha Lestari Indah Tbk	V	V	V	V	V	V	X	V	X
303	PICO	Pelangi Indah Canindo Tbk	V	V	X						
304	PJAA	Pembangunan Jaya Ancol Tbk	V	V	V	V	V	V	V	V	X
305	PKPK	Perdana Karya Perkasa Tbk	X	-	V						
306	PLIN	Plaza Indonesia Realty Tbk	V	V	V	V	V	V	V	V	V
307	PNBS	Bank Panin Syariah Tbk	V	V	V	V	V	V	V	X	V
308	PNSE	Pudjiadi & Sons Tbk	V	V	V	V	V	V	V	V	V
309	POLI	Pollux Investasi Internasional Tbk	X	X	V						
310	POLL	Pollux Properti Indonesia Tbk	X	X	V						
311	PORT	Nusantara Pelabuhan Handal Tbk	X	V	V						

312	POWR	Cikarang Listrindo Tbk	V	V	V	X	X	X			
313	PPRE	PP Presisi Tbk	X	V	V						
314	PPRO	PP Properti Tbk	V	V	V	V	V	V	X	X	X
315	PRAS	Prima Alloy Steel Universal Tbk	X	V	X						
316	PRDA	Prodia Widyahusada Tbk	X	X	V						
317	PRIM	Royal Prima Tbk	X	V	X						
318	PSAB	J Resources Asia Pasifik Tbk	V	V	V	X	X	X			
319	PSDN	Prasidha Aneka Niaga Tbk	V	V	X						
320	PSKT	Red Planet Indonesia Tbk	V	V	V	V	V	V	V	V	V
321	PSSI	Pelita Samudra Shipping Tbk	X	V	V						
322	PTBA	Bukit Asam Tbk	V	V	V	V	V	V	X	V	V
323	PTIS	Indo Straits Tbk	V	V	V	X	X	X			
324	PTPP	PP (Persero) Tbk	V	V	V	V	V	V	V	V	V
325	PTRO	Petrosea Tbk	V	V	V	X	X	X			
326	PTSN	Sat Nusapersada Tbk	V	V	V	X	X	X			
327	PTSP	Pioneerindo Gourmet International Tbk	V	V	V	V	V	V	V	V	V
328	PUDP	Pudjiadi Prestige Tbk	V	V	V	V	V	V	V	V	V
329	PWON	Pakuwon Jati Tbk	V	V	V	V	V	V	V	V	V
330	PYFA	Pyridam Farma Tbk	V	V	V	V	V	V	X	V	X
331	PZZA	Sarimelati Kencana Tbk	X	X	V						
332	RAJA	Rukun Raharja Tbk	V	V	V	X	X	X			
333	RALS	Ramayana Lestari Sentosa Tbk	V	V	V	V	V	V	V	V	V
334	RANC	Supra Boga Lestari Tbk	V	V	V	V	V	V	V	V	V
335	RBMS	Ristia Bintang Mahkotasejati Tbk	V	X	V						
336	RDTX	Roda Vivatex Tbk	X	V	X						

337	RICY	Ricky Putra Globalindo Tbk	V	V	V	V	V	V	V	V	V
338	RINGS	Rig Tenders Indonesia Tbk	V	V	V	X	X	X			
339	RIMO	Rimo International Lestari Tbk	V	V	X						
340	RISE	Jaya Sukses Makmur Sentosa Tbk	X	X	V						
341	RODA	Pikko Land Development Tbk	V	V	V	V	V	V	V	V	V
342	ROTI	Nippon Indosari Corpindo Tbk	V	V	V	V	V	V	V	V	V
343	RUIS	Radiant Utama Interinsco Tbk	-	V	V						
344	SAME	Sarana Meditama Metropolitan Tbk	V	V	V	V	V	V	V	V	V
345	SCBD	Danayasa Arthatama Tbk	V	V	V	V	V	V	X	V	X
346	SCCO	Supreme Cable Manufacturing &Commerce Tbk	V	V	V	V	V	V	V	V	V
347	SCMA	Surya Citra Media Tbk	V	V	V	V	V	V	V	V	V
348	SDMU	Sidomulya Selaras Tbk	V	V	V	V	V	V	V	V	V
349	SDPC	Millennium Pharmacon International Tbk	V	V	V	V	V	V	X	V	X
350	SGRO	Sampoerna Agro Tbk	V	V	X						
351	SHID	Hotel Sahid Jaya International Tbk	V	V	V	V	V	V	V	V	V
352	SHIP	Sillo Maritime Perdana Tbk	V	V	V	X	X	X			
353	SIAP	Sekawan Intipratama Tbk	X	X	X						
354	SIDO	Industri Jamu dan Farmasi Sido Muncul Tbk	V	V	V	V	V	V	V	V	V
355	SILO	Siloam International Hospitals Tbk	V	V	V	V	V	V	X	V	X
356	SIMA	Siwani Makmur Tbk	V	V	X						
357	SIMP	Salim Ivomas Pratama Tbk	V	V	V	V	V	V	V	V	V
358	SIPD	Sierad Produce Tbk	V	V	V	V	V	V	V	V	X
359	SKBM	Sekar Bumi Tbk	V	X	X						

360	SKLT	Sekar Laut Tbk	V	V	V	V	V	V	V	X	X
361	SKRN	Superkrane Mitra Utama Tbk	X	V	V						
362	SKYB	Skybbee Tbk	V	V	X						
363	SMBR	Semen Baturaja Tbk	V	V	V	V	V	V	V	V	V
364	SMCB	Holcim Indonesia Tbk	V	X	X						
365	SMDM	Suryamas Dutamakmur Tbk	V	V	V	V	V	V	X	X	V
366	SMDR	Samudera Indonesia Tbk	V	V	V	X	X	X			
367	SMGR	Semen Indonesia (Persero) Tbk	V	V	V	V	V	V	X	V	V
368	SMMT	Golden Eagle Energy Tbk	V	V	V	V	V	V	V	V	V
369	SMRA	Summarecon Agung Tbk	V	V	V	V	V	V	V	V	V
370	SMRU	SMR Utama Tbk	V	V	V	X	X	X			
371	SMSM	Selamat Sempurna Tbk	V	V	V	V	V	V	V	V	V
372	SOCI	Soechi Lines Tbk	V	V	V	X	X	X			
373	SONA	Sona Topas Tourism Industry Tbk	V	V	V	V	V	V	V	V	V
374	SOSS	Sheild On Service Tbk	X	X	V						
375	SOTS	Satria Mega Kencana Tbk	X	X	V						
376	SPMA	Suparma Tbk	V	V	V	V	V	V	V	V	V
377	SPTO	Surya Pertiwi Tbk	X	X	V						
378	SQBB	Taisho Pharmaceutical Indonesia Tbk	V	V	V	V	V	V	V	V	V
379	SQMI	Renuka Coalindo Tbk	V	V	V	X	X	X			
380	SRAJ	Sejahteraraya AnugrahaJaya Tbk	V	V	V	V	V	V	V	V	V
381	SRSN	Indo Acidatama Tbk	V	V	V	V	V	V	V	V	V
382	SRTG	Saratoga Investama Sedaya Tbk	V	V	V	V	V	V	V	V	V
383	SSIA	Surya Semesta Internusa Tbk	V	V	V	V	V	V	V	V	V
384	SSMS	Sawit Sumbermas Sarana Tbk	V	X	X						

432	WICO	Wicaksana Overseas International Tbk	V	V	V	V	V	V	V	V	V	V
433	WIKA	Wijaya Karya (Persero) Tbk	V	V	V	V	V	V	X	V	V	V
434	WINS	Wintermar Offshore Marine Tbk	V	V	V	X	X	X				
435	WOOD	Integra Indocabinet Tbk	V	V	V	V	V	V	V	V	V	V
436	WSBP	Waskita Beton Precast Tbk	V	V	V	V	V	V	V	V	V	X
437	WSKT	Waskita Karya Beton Tbk	V	V	V	V	V	V	V	V	V	V
438	WTON	Wijaya Karya Beton Tbk	V	V	V	V	V	V	V	V	V	V
439	YELO	Yelooo Integra Datanet Tbk	X	X	V							
440	YPAS	Yanaprima Hastapersada Tbk	V	X	X							
441	ZBRA	Zebra Nusantara Tbk	X	V	V							
442	ZINC	Kapuas Prima Coal Tbk	V	V	V	V	V	V	V	V	V	V
443	ZONE	Mega Perintis Tbk	X	X	V							



Lampiran 2. Tabulasi Data

No	Kode	Perusahaan	Tahun	Ketepatan Waktu Pelaporan
1	AALI	Astra Agro Lestari Tbk	2017	1
			2018	1
			2019	1
2	ACES	Ace Hardware Indonesia Tbk	2017	1
			2018	1
			2019	1
3	AGII	Aneka Gas Industri Tbk	2017	1
			2018	1
			2019	0
4	AKPI	Argha Karya Prima Industry Tbk	2017	1
			2018	1
			2019	0
5	AKRA	AKR Corporindo Tbk	2017	1
			2018	1
			2019	1
6	ALKA	Alakasa Industrindo Tbk	2017	1
			2018	1
			2019	1
7	AMFG	Asahimas Flat Gas Tbk	2017	1
			2018	1
			2019	1

8	ANTM	Aneka Tambang (Pesero) Tbk	2017	0
			2018	1
			2019	1
9	APII	Arita Prima Indonesia Tbk	2017	1
			2018	1
			2019	1
10	APLI	Asiaplast Industries Tbk	2017	1
			2018	1
			2019	0
11	APLN	Agung Podomoro Land Tbk	2017	0
			2018	1
			2019	1
12	ARNA	Arwana Citramulia Tbk	2017	1
			2018	1
			2019	1
13	ARTA	Arthavest Tbk	2017	1
			2018	1
			2019	1
14	ARTI	Ratu Prabu Energi Tbk	2017	1
			2018	1
			2019	0
15	ASII	Astra Internasional Tbk	2017	1
			2018	1
			2019	1
16	ASRI	Alam Sutra Reality Tbk	2017	1
			2018	1

			2019	1
17	AUTO	Astra Otoparts Tbk	2017	1
			2018	1
			2019	1
			2019	1
18	BAPA	Bekasi Asri Pemula Tbk	2017	1
			2018	1
			2019	0
19	BATA	Sepatu Bata Tbk	2017	1
			2018	1
			2019	0
20	BAYU	Bayu Buana Tbk	2017	1
			2018	1
			2019	1
21	BCIP	Bumi Citra Permai Tbk	2017	1
			2018	1
			2019	1
22	BEST	Bekasi Fajar Industrial Estate Tbk	2017	1
			2018	1
			2019	1
23	BIPP	Bhuwanatala Indah Permai Tbk	2017	1
			2018	1
			2019	1
24	BIRD	Blue Bird Tbk	2017	1
			2018	1
			2019	1
25	BISI	BISI International Tbk	2017	1

			2018	1
			2019	1
26	BKDP	Bukit Darmo Property Tbk	2017	1
			2018	1
			2019	1
27	BKSL	Sentul City Tbk	2017	1
			2018	1
			2019	1
28	BLTZ	Graha Layar Prima Tbk	2017	1
			2018	1
			2019	1
29	BMTR	Global Mediacom Tbk	2017	1
			2018	1
			2019	1
30	BOLT	Garuda Metalindo Tbk	2017	1
			2018	1
			2019	1
31	BTON	Betonjaya Manunggal Tbk	2017	1
			2018	1
			2019	1
32	BUDI	Budi Starch & Sweetener Tbk	2017	1
			2018	1
			2019	1
33	BUVA	Bukit Uluwatu Villa Tbk	2017	1
			2018	1
			2019	1

34	CASS	Cardig Aero Service Tbk	2017	1
			2018	0
			2019	0
35	CEKA	Wilma Cahaya Indonesia Tbk	2017	1
			2018	1
			2019	1
36	CINT	Chitose International Tbk	2017	1
			2018	1
			2019	1
37	CKRA	Cakra Mineral Tbk	2017	0
			2018	0
			2019	0
38	CLEO	Sariguna Primatirta Tbk	2017	1
			2018	1
			2019	1
39	CLPI	Colorpak Indonesia Tbk	2017	1
			2018	1
			2019	1
40	CMNP	Citra Marga Nusaphala Persada Tbk	2017	1
			2018	1
			2019	0
41	CPIN	Charoen Pokphand Indonesia Tbk	2017	1
			2018	1
			2019	1
42	CSAP	Catur Sentosa Adiprana Tbk	2017	1
			2018	1

			2019	0
43	CTRA	Ciputra Development Tbk	2017	1
			2018	1
			2019	1
			2019	1
44	CTTH	Citatah Tbk	2017	1
			2018	1
			2019	0
45	DART	Duta Anggada Reality Tbk	2017	1
			2018	1
			2019	0
46	DAYA	Duta Intidaya Tbk	2017	1
			2018	1
			2019	1
47	DGIK	Nusa Kontruksi Enjiniring Tbk	2017	1
			2018	1
			2019	0
48	DMAS	Putradelta Lestari Tbk	2017	1
			2018	1
			2019	1
49	DPNS	Duta Pertiwi Nusantara Tbk	2017	1
			2018	1
			2019	1
50	DPUM	Dua Putra Utama Makmur Tbk	2017	1
			2018	1
			2019	0
51	DSFI	Dharma Samudera Fishing	2017	1

		Industries Tbk	2018	1
			2019	0
52	DVLA	Darya-Varia Laboratoria Tbk	2017	1
			2018	1
			2019	1
53	DYAN	Dyandra Media International Tbk	2017	1
			2018	1
			2019	1
54	EKAD	Ekadharna International Tbk	2017	1
			2018	1
			2019	1
55	ELSA	Elnusa Tbk	2017	1
			2018	1
			2019	1
56	ERAA	Erajaya Swasembada Tbk	2017	1
			2018	1
			2019	1
57	FAST	Fast Food Indonesia Tbk	2017	1
			2018	1
			2019	0
58	FMII	Fortune Mate Indonesia Tbk	2017	1
			2018	1
			2019	0
59	GDST	Gunawan Dianjaya Steel Tbk	2017	1
			2018	1
			2019	1

60	GEMA	Gema Grahasarana Tbk	2017	1
			2018	1
			2019	1
61	GJTL	Gajah Tunggal Tbk	2017	1
			2018	1
			2019	0
62	GMTD	Gowa Makasar Tourism Development Tbk	2017	1
			2018	1
			2019	1
63	GPRA	Perdana Gapura Prima Tbk	2017	1
			2018	1
			2019	1
64	GWSA	Greenwood Sejahtera Tbk	2017	1
			2018	1
			2019	1
65	HERO	Hero Supermarket Tbk	2017	1
			2018	1
			2019	1
66	IBST	Inti Bangun Sejahtera Tbk	2017	1
			2018	1
			2019	1
67	ICBP	Indofood CBP Sukses Makmur Tbk	2017	1
			2018	1
			2019	1
68	ICON	Island Concept Indonesia Tbk	2017	1
			2018	1

			2019	1
69	IGAR	Champion Pacific Indonesia Tbk	2017	1
			2018	1
			2019	1
70	INDX	Tanah Laut Tbk	2017	1
			2018	1
			2019	0
71	INTP	Indocement Tunggal Perkasa Tbk	2017	1
			2018	1
			2019	1
72	JECC	Jembo Cable Company Tbk	2017	1
			2018	1
			2019	1
73	JIHD	Jakarta Internasional Hotels & Development Tbk	2017	1
			2018	1
			2019	1
74	JKON	Jaya Kontruksi Manggala Pratama Tbk	2017	1
			2018	1
			2019	1
75	JPFA	Japfa Comfeed Indonesia Tbk	2017	1
			2018	1
			2019	1
76	JRPT	Jaya Real Property Tbk	2017	1
			2018	1
			2019	1
77	JSPT	Jakarta Setiabudi Internasional Tbk	2017	1

			2018	1
			2019	0
78	JTPE	Jasuindo Tiga Perkasa Tbk	2017	1
			2018	1
			2019	1
79	KBLI	KMI Wire & Cable Tbk	2017	1
			2018	1
			2019	1
80	KDSI	Kedawung Setia Industrial Tbk	2017	1
			2018	1
			2019	1
81	KICI	Kedaung Indah Can Tbk	2017	1
			2018	1
			2019	1
82	KIJA	Kawasan Ndustri Jababeka Tbk	2017	1
			2018	1
			2019	1
83	KINO	Kino Indonesia Tbk	2017	1
			2018	1
			2019	1
84	KLBF	Kalbe Farma Indonesia Tbk	2017	1
			2018	1
			2019	1
85	KOPI	Mitra Energi Persada Tbk	2017	1
			2018	1
			2019	1

86	KPIG	MNC Land Tbk	2017	1
			2018	1
			2019	1
87	LMPI	Langgeng Makmur Industri Tbk	2017	1
			2018	1
			2019	1
88	LMSH	Lionmesh Prima Tbk	2017	1
			2018	1
			2019	1
89	LPCK	Lippo Cikarang Tbk	2017	1
			2018	1
			2019	0
90	LPPF	Matahari Departement Store Tbk	2017	1
			2018	1
			2019	1
91	LRNA	Eka Sari Lorena Transport Tbk	2017	1
			2018	1
			2019	0
92	LSIP	PP London Sumatra Indonesia Tbk	2017	1
			2018	1
			2019	1
93	MAIN	Malindo Feedmill Tbk	2017	1
			2018	1
			2019	1
94	MBTO	Martina Berto Tbk	2017	1
			2018	1

			2019	1
95	MERK	Merek Tbk	2017	1
			2018	1
			2019	1
			2019	1
96	MFMI	Multifiling Mitra Indonesia Tbk	2017	1
			2018	1
			2019	1
97	MICE	Multi Indocitra Tbk	2017	1
			2018	1
			2019	1
98	MIKA	Mitra Keluarga Karya Sehat Tbk	2017	1
			2018	1
			2019	1
99	MIRA	Mitra Internasional Resources Tbk	2017	1
			2018	1
			2019	0
100	MITI	Mitra Investindo Tbk	2017	1
			2018	1
			2019	1
101	MLPL	Multipolar Tbk	2017	1
			2018	1
			2019	0
102	MPPA	Matahari Putra Prima Tbk	2017	1
			2018	1
			2019	0
103	MRAT	Mustika Ratu Tbk	2017	1

			2018	1
			2019	0
104	MTDL	Metrodata Electronics Tbk	2017	1
			2018	1
			2019	1
105	MTLA	Metropolitan Land Tbk	2017	1
			2018	1
			2019	1
106	MTSM	Metro Reality Tbk	2017	1
			2018	1
			2019	0
107	MYOR	Mayora Indah Tbk	2017	1
			2018	1
			2019	1
108	NRCA	Nusa Raya Cipta Tbk	2017	1
			2018	1
			2019	1
109	OMRE	Indonesia Prima Property Tbk	2017	1
			2018	1
			2019	0
110	PBSA	Paramita Bangun Sarana Tbk	2017	1
			2018	1
			2019	1
111	PDES	Destinasi Tirta Nusantara Tbk	2017	1
			2018	1
			2019	1

112	PLIN	Plaza Indonesia Realty Tbk	2017	1
			2018	1
			2019	1
113	PNSE	Pudjiadi & Sons Tbk	2017	1
			2018	1
			2019	1
114	PSKT	Red Planet Indonesia Tbk	2017	1
			2018	1
			2019	1
115	PTPP	PP (Persero) Tbk	2017	1
			2018	1
			2019	1
116	PTSP	Pioneerindo Gourmet International Tbk	2017	1
			2018	1
			2019	1
117	PUDP	Pudjiadi Prestige Tbk	2017	1
			2018	1
			2019	1
118	PWON	Pakuwon Jati Tbk	2017	1
			2018	1
			2019	0
119	RALS	Ramayana Lestari Sentosa Tbk	2017	1
			2018	1
			2019	1
120	RANC	Supra Boga Lestari Tbk	2017	1
			2018	1

			2019	1
121	RICY	Ricky Putra Globalindo Tbk	2017	1
			2018	1
			2019	1
122	RODA	Pikko Land Development Tbk	2017	1
			2018	1
			2019	0
123	ROTI	Nippon Indosari Corpindo Tbk	2017	1
			2018	1
			2019	1
124	SAME	Sarana Meditama Metropolitan Tbk	2017	1
			2018	1
			2019	1
125	SCCO	Supreme Cable Manufacturing &Commerce Tbk	2017	1
			2018	1
			2019	1
126	SCMA	Surya Citra Media Tbk	2017	1
			2018	1
			2019	1
127	SDMU	Sidomulya Selaras Tbk	2017	1
			2018	1
			2019	1
128	SHID	Hotel Sahid Jaya International Tbk	2017	1
			2018	1
			2019	1
129	SIDO	Industri Jamu dan Farmasi Sido	2017	1

		Muncul Tbk	2018	1
			2019	1
130	SIMP	Salim Ivomas Pratama Tbk	2017	1
			2018	1
			2019	1
131	SMBR	Semen Baturaja Tbk	2017	1
			2018	1
			2019	1
132	SMMT	Golden Eagle Energy Tbk	2017	1
			2018	1
			2019	1
133	SMRA	Summarecon Agung Tbk	2017	1
			2018	1
			2019	1
134	SMSM	Selamat Sempurna Tbk	2017	1
			2018	1
			2019	1
135	SONA	Sona Topas Tourism Industry Tbk	2017	1
			2018	1
			2019	1
136	SPMA	Suparma Tbk	2017	1
			2018	1
			2019	1
137	SQBB	Taisho Pharmaceutical Indonesia Tbk	2017	1
			2018	1
			2019	1

138	SRAJ	Sejahteraya AnugrahaJaya Tbk	2017	1
			2018	1
			2019	1
139	SRSN	Indo Acidatama Tbk	2017	1
			2018	1
			2019	1
140	SRTG	Saratoga Investama Sedaya Tbk	2017	1
			2018	1
			2019	1
141	SSIA	Surya Semesta Internusa Tbk	2017	0
			2018	1
			2019	1
142	STAR	Star Petrochem Tbk	2017	1
			2018	1
			2019	1
143	STTP	Siantar Top Tbk	2017	0
			2018	1
			2019	1
144	TARA	Sitara Propertindo Tbk	2017	0
			2018	1
			2019	1
145	TCID	Mandom Indonesia Tbk	2017	1
			2018	1
			2019	1
146	TGKA	Tigaraksa Satria Tbk	2017	1
			2018	1

			2019	1
147	TIRA	Tira Austenite Tbk	2017	1
			2018	1
			2019	0
			2017	1
148	TLKM	Telekomunikasi Indonesia (Persero) Tbk	2018	1
			2019	0
			2017	1
149	TMPO	Tempo Intimedia Tbk	2018	1
			2019	1
			2017	1
150	TOPS	Totalindo Eka Persada Tbk	2017	1
			2018	1
			2019	0
151	TOTL	Total Bangun Persada Tbk	2017	1
			2018	1
			2019	1
152	TOTO	Surya Toto Indonesia Tbk	2017	1
			2018	1
			2019	1
153	TOWR	Sarana Menara Nusantara Tbk	2017	1
			2018	1
			2019	1
154	TRIS	Trisula International Tbk	2017	1
			2018	1
			2019	1
155	TRST	Trias Sentosa Tbk	2017	1

			2018	1
			2019	0
156	TSPC	Tempo Sean Pacific Tbk	2017	1
			2018	1
			2019	1
157	UNVR	Unilever Indonesia Tbk	2017	1
			2018	1
			2019	1
158	WAPO	Wahana Pronatural Tbk	2017	1
			2018	1
			2019	1
159	WICO	Wicaksana Overseas International Tbk	2017	1
			2018	1
			2019	0
160	WOOD	Integra Indocabinet Tbk	2017	1
			2018	1
			2019	1
161	WSKT	Waskita Karya Beton Tbk	2017	1
			2018	1
			2019	1
162	WTON	Wijaya Karya Beton Tbk	2017	1
			2018	1
			2019	1
163	ZINC	Kapuas Prima Coal Tbk	2017	1
			2018	1
			2019	0

No	Kode	Perusahaan	Tahun	Nilai Self Assessment	Good Corporate Governance
1	AALI	Astra Agro Lestari Tbk	2017	8	0.72
			2018	8	0.72
			2019	6	0.72
2	ACES	Ace Hardware Indonesia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
3	AGII	Aneka Gas Industri Tbk	2017	6	0.54
			2018	6	0.54
			2019	5	0.45
4	AKPI	Argha Karya Prima Industry Tbk	2017	4	0.36
			2018	5	0.45
			2019	5	0.45
5	AKRA	AKR Corporindo Tbk	2017	8	0.72
			2018	7	0.63
			2019	8	0.72
6	ALKA	Alakasa Industrindo Tbk	2017	7	0.63
			2018	6	0.54
			2019	6	0.54
7	AMFG	Asahimas Flat Gas Tbk	2017	7	0.63
			2018	8	0.72
			2019	8	0.72
8	ANTM	Aneka Tambang (Pesero) Tbk	2017	8	0.72

			2018	8	0.72
			2019	9	0.81
9	APII	Arita Prima Indonesia Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
10	APLI	Asiaplast Industries Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
11	APLN	Agung Podomoro Land Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
12	ARNA	Arwana Citramulia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
13	ARTA	Arthavest Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
14	ARTI	Ratu Prabu Energi Tbk	2017	4	0.36
			2018	6	0.54
			2019	6	0.54
15	ASII	Astra Internasional Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
16	ASRI	Alam Sutra Reality Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81

17	AUTO	Astra Otoparts Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
18	BAPA	Bekasi Asri Pemula Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
19	BATA	Sepatu Bata Tbk	2017	5	0.45
			2018	6	0.54
			2019	6	0.54
20	BAYU	Bayu Buana Tbk	2017	4	0.36
			2018	4	0.36
			2019	4	0.36
21	BCIP	Bumi Citra Permai Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
22	BEST	Bekasi Fajar Industrial Estate Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
23	BIPP	Bhuwanatala Indah Permai Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
24	BIRD	Blue Bird Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
25	BISI	BISI International Tbk	2017	7	0.63
			2018	7	0.63

			2019	7	0.63
26	BKDP	Bukit Darmo Property Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
			2019	8	0.72
27	BKSL	Sentul City Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
28	BLTZ	Graha Layar Prima Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
29	BMTR	Global Mediacom Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
30	BOLT	Garuda Metalindo Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
31	BTON	Betonjaya Manunggal Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
32	BUDI	Budi Starch & Sweetener Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
33	BUVA	Bukit Uluwatu Villa Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
34	CASS	Cardig Aero Service Tbk	2017	6	0.54

			2018	6	0.54
			2019	6	0.54
35	CEKA	Wilma Cahaya Indonesia Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
36	CINT	Chitose International Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
37	CKRA	Cakra Mineral Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
38	CLEO	Sariguna Primatirta Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
39	CLPI	Colorpak Indonesia Tbk	2017	3	0.36
			2018	5	0.45
			2019	5	0.45
40	CMNP	Citra Marga Nusaphala Persada Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
41	CPIN	Charoen Pokphand Indonesia Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
42	CSAP	Catur Sentosa Adiprana Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63

43	CTRA	Ciputra Development Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
44	CTTH	Citatah Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81
45	DART	Duta Anggada Realty Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
46	DAYA	Duta Intidaya Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
47	DGIK	Nusa Kontruksi Enjiniring Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81
48	DMAS	Putradelta Lestari Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81
49	DPNS	Duta Pertiwi Nusantara Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
50	DPUM	Dua Putra Utama Makmur Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
51	DSFI	Dharma Samudera Fishing Industries Tbk	2017	8	0.72
			2018	8	0.72

			2019	8	0.72
52	DVLA	Darya-Varia Laboratoria Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
			2019	7	0.63
53	DYAN	Dyandra Media International Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
54	EKAD	Ekadharna International Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
55	ELSA	Elnusa Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
56	ERAA	Erajaya Swasembada Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
57	FAST	Fast Food Indonesia Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
58	FMII	Fortune Mate Indonesia Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
59	GDST	Gunawan Dianjaya Steel Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
60	GEMA	Gema Grahasarana Tbk	2017	7	0.63

			2018	7	0.63
			2019	7	0.63
61	GJTL	Gajah Tunggal Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
62	GMTD	Gowa Makasar Tourism Development Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
63	GPRA	Perdana Gapura Prima Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
64	GWSA	Greenwood Sejahtera Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
65	HERO	Hero Supermarket Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
66	IBST	Inti Bangun Sejahtera Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
67	ICBP	Indofood CBP Sukses Makmur Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
68	ICON	Island Concept Indonesia Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45

69	IGAR	Champion Pacific Indonesia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
70	INDX	Tanah Laut Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
71	INTP	Indocement Tunggal Perkasa Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
72	JECC	Jembo Cable Company Tbk	2017	5	0.45
			2018	7	0.63
			2019	7	0.63
73	JIHD	Jakarta Internasional Hotels & Development Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81
74	JKON	Jaya Kontruksi Manggala Pratama Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
75	JPFA	Japfa Comfeed Indonesia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
76	JRPT	Jaya Real Property Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
77	JSPT	Jakarta Setiabudi Internasional Tbk	2017	8	0.72
			2018	8	0.72

			2019	8	0.72
78	JTPE	Jasuindo Tiga Perkasa Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
			2019	7	0.63
79	KBLI	KMI Wire & Cable Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
80	KDSI	Kedawung Setia Industrial Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
81	KICI	Kedaung Indah Can Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
82	KIJA	Kawasan Ndustri Jababeka Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
83	KINO	Kino Indonesia Tbk	2017	5	0.45
			2018	5	0.45
			2019	6	0.54
84	KLBF	Kalbe Farma Indonesia Tbk	2017	6	0.54
			2018	7	0.63
			2019	7	0.63
85	KOPI	Mitra Energi Persada Tbk	2017	5	0.45
			2018	5	0.45
			2019	6	0.63
86	KPIG	MNC Land Tbk	2017	6	0.54

			2018	6	0.54
			2019	6	0.54
87	LMPI	Langgeng Makmur Industri Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
88	LMSH	Lionmesh Prima Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
89	LPCK	Lippo Cikarang Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
90	LPPF	Matahari Departement Store Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
91	LRNA	Eka Sari Lorena Transport Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
92	LSIP	PP London Sumatra Indonesia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
93	MAIN	Malindo Feedmill Tbk	2017	7	0.72
			2018	7	0.72
			2019	7	0.72
94	MBTO	Martina Berto Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45

95	MERK	Merek Tbk	2017	6	0.63
			2018	6	0.63
			2019	6	0.63
96	MFMI	Multifiling Mitra Indonesia Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
97	MICE	Multi Indocitra Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
98	MIKA	Mitra Keluarga Karya Sehat Tbk	2017	3	0.36
			2018	3	0.36
			2019	5	0.45
99	MIRA	Mitra Internasional Resources Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
100	MITI	Mitra Investindo Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
101	MLPL	Multipolar Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
102	MPPA	Matahari Putra Prima Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
103	MRAT	Mustika Ratu Tbk	2017	7	0.63
			2018	7	0.63

			2019	7	0.63
104	MTDL	Metrodata Electronics Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
			2019	5	0.45
105	MTLA	Metropolitan Land Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
106	MTSM	Metro Reality Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
107	MYOR	Mayora Indah Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
108	NRCA	Nusa Raya Cipta Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
109	OMRE	Indonesia Prima Property Tbk	2017	6	0.54
			2018	6	0.54
			2019	5	0.45
110	PBSA	Paramita Bangun Sarana Tbk	2017	4	0.36
			2018	5	0.45
			2019	5	0.45
111	PDES	Destinasi Tirta Nusantara Tbk	2017	8	0.72
			2018	7	0.63
			2019	8	0.72
112	PLIN	Plaza Indonesia Realty Tbk	2017	7	0.63

			2018	6	0.54
			2019	6	0.54
113	PNSE	Pudjiadi & Sons Tbk	2017	7	0.63
			2018	8	0.72
			2019	8	0.72
114	PSKT	Red Planet Indonesia Tbk	2017	6	0.54
			2018	5	0.45
			2019	5	0.45
115	PTPP	PP (Persero) Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
116	PTSP	Pioneerindo Gourmet International Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
117	PUDP	Pudjiadi Prestige Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
118	PWON	Pakuwon Jati Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
119	RALS	Ramayana Lestari Sentosa Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
120	RANC	Supra Boga Lestari Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45

121	RICY	Ricky Putra Globalindo Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
122	RODA	Pikko Land Development Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
123	ROTI	Nippon Indosari Corpindo Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
124	SAME	Sarana Meditama Metropolitan Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
125	SCCO	Supreme Cable Manufacturing &Commerce Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
126	SCMA	Surya Citra Media Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
127	SDMU	Sidomulya Selaras Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
128	SHID	Hotel Sahid Jaya International Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
129	SIDO	Industri Jamu dan Farmasi Sido Muncul Tbk	2017	7	0.63
			2018	7	0.63

			2019	7	0.63
130	SIMP	Salim Ivomas Pratama Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
			2019	5	0.45
131	SMBR	Semen Baturaja Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
132	SMMT	Golden Eagle Energy Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
133	SMRA	Summarecon Agung Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
134	SMSM	Selamat Sempurna Tbk	2017	5	0.45
			2018	5	0.45
			2019	6	0.54
135	SONA	Sona Topas Tourism Industry Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
136	SPMA	Suparma Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
137	SQBB	Taisho Pharmaceutical Indonesia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
138	SRAJ	Sejahteraraya AnugrahaJaya	2017	5	0.45

		Tbk	2018	5	0.45
			2019	5	0.45
139	SRSN	Indo Acidatama Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
140	SRTG	Saratoga Investama Sedaya Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
141	SSIA	Surya Semesta Internusa Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
142	STAR	Star Petrochem Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
143	STTP	Siantar Top Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81
144	TARA	Sitara Propertindo Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
145	TCID	Mandom Indonesia Tbk	2017	4	0.36
			2018	5	0.45
			2019	5	0.45
146	TGKA	Tigaraksa Satria Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54

147	TIRA	Tira Austenite Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
148	TLKM	Telekomunikasi Indonesia (Persero) Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
149	TMPO	Tempo Intimedia Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
150	TOPS	Totalindo Eka Persada Tbk	2017	9	0.81
			2018	9	0.81
			2019	9	0.81
151	TOTL	Total Bangun Persada Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
152	TOTO	Surya Toto Indonesia Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
153	TOWR	Sarana Menara Nusantara Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
154	TRIS	Trisula International Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63
155	TRST	Trias Sentosa Tbk	2017	5	0.45
			2018	5	0.45

			2019	5	0.45
156	TSPC	Tempo Sean Pacific Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
			2019	6	0.54
157	UNVR	Unilever Indonesia Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
158	WAPO	Wahana Pronatural Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
159	WICO	Wicaksana Overseas International Tbk	2017	6	0.54
			2018	6	0.54
			2019	6	0.54
160	WOOD	Integra Indocabinet Tbk	2017	5	0.45
			2018	5	0.45
			2019	5	0.45
161	WSKT	Waskita Karya Beton Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
162	WTON	Wijaya Karya Beton Tbk	2017	8	0.72
			2018	8	0.72
			2019	8	0.72
163	ZINC	Kapuas Prima Coal Tbk	2017	7	0.63
			2018	7	0.63
			2019	7	0.63

NO	KODE	Nama Perusahaan	TAHUN	6,56X ₁	3,26X ₂	6,72X ₃	1,05X ₄	Z
1	AALI	Astra Agro Lestari Tbk	2017	4.87656	0.27633	0.79192	3.04162	8.98642
			2018	4.63835	0.18459	0.55224	2.76985	8.14503
			2019	4.50427	0.02944	0.16464	2.49230	7.19066
2	ACES	Ace Hardware Indonesia Tbk	2017	5.19964	0.71279	1.45660	0.19607	7.56511
			2018	5.22153	0.75294	1.55208	0.16586	7.69241
			2019	5.25505	0.71873	1.48156	0.15291	7.60825
3	AGII	Aneka Gas Industri Tbk	2017	3.44006	0.27572	0.14043	0.54179	4.39801
			2018	3.10624	0.46090	0.14924	0.46000	4.17638
			2019	3.08292	0.46330	0.13222	0.43263	4.11107
4	AKPI	Argha Karya Prima Industry Tbk	2017	2.69206	0.10354	0.07787	0.22055	3.09402
			2018	2.63611	0.17317	0.20067	0.19438	3.20433
			2019	2.94115	0.17448	0.18998	0.23306	3.53867
5	AKRA	AKR Corporindo Tbk	2017	3.52100	0.22030	0.44994	0.05398	4.24522
			2018	3.26566	0.15305	0.29998	0.04210	3.76078
			2019	3.26846	0.16678	0.28221	0.03717	3.75462
6	ALKA	Alakasa Industrindo Tbk	2017	1.68704	0.23113	0.35368	0.34042	2.61227
			2018	1.01823	0.13801	0.23736	0.01408	1.40769
			2019	1.13659	0.05803	0.11049	0.15435	1.45945
7	AMFG	Asahimas Flat Gas Tbk	2017	3.71431	0.04855	0.06818	0.08380	3.91484
			2018	2.79796	0.06831	0.00891	0.04712	2.92229
			2019	2.55997	-0.05468	-0.12952	0.04276	2.41853
8	ANTM	Aneka Tambang (Pesero) Tbk	2017	4.04131	0.06523	0.10174	0.21896	4.42724
			2018	3.75897	0.15757	0.42020	0.18355	4.52028

			2019	3.93958	0.10317	0.15290	0.20920	4.40485
9	APII	Arita Prima Indonesia Tbk	2017	3.83499	0.10725	0.30488	0.64256	4.88968
			2018	4.01482	0.22010	0.60668	0.64652	5.48812
			2019	4.00306	0.16994	0.46605	0.59608	5.23513
10	APLI	Asiaplast Industries Tbk	2017	3.73798	-0.01087	0.06569	0.83422	4.62702
			2018	2.66199	-0.15223	-0.26442	0.47854	2.72388
			2019	3.32864	0.07456	0.31368	0.69281	4.40968
11	APLN	Agung Podomoro Land Tbk	2017	2.61966	0.21317	0.44267	0.11758	3.39307
			2018	2.68948	0.02268	0.04743	0.12917	2.88875
			2019	2.85821	0.01337	0.02993	0.11758	3.01909
12	ARNA	Arwana Citramulia Tbk	2017	4.21699	0.24874	0.69747	0.16847	5.33167
			2018	4.35214	0.31203	0.86080	0.17321	5.69818
			2019	4.29077	0.39442	1.08919	0.15483	5.92921
13	ARTA	Arthavest Tbk	2017	5.42577	0.09839	0.25987	1.41201	7.19604
			2018	5.58874	0.05663	0.16249	1.46766	7.27552
			2019	5.56931	0.00467	0.05043	1.41463	7.03904
14	ARTI	Ratu Prabu Energi Tbk	2017	4.60751	0.03757	0.08815	1.98390	6.71713
			2018	4.32023	0.03928	0.11303	1.59403	6.06656
			2019	2.99337	-1.83309	-3.49525	1.50517	-0.82979
15	ASII	Astra Internasional Tbk	2017	3.46874	0.25543	0.66362	0.01525	4.40305
			2018	3.48100	0.25353	0.66817	0.01248	4.41517
			2019	2.80438	0.25176	0.66387	0.01286	3.73288
16	ASRI	Alam Sutra Reality Tbk	2017	2.71303	0.21785	0.46835	0.16973	3.56896
			2018	2.99924	0.15146	0.35748	0.18195	3.69013
			2019	3.16467	0.15083	0.31776	0.18207	3.81532
17	AUTO	Astra Otoparts Tbk	2017	4.78106	0.12097	0.32408	0.12600	5.35211

			2018	4.77203	0.13858	0.36150	0.12642	5.39853
			2019	4.65016	0.16761	0.47361	0.12417	5.41555
18	BAPA	Bekasi Asri Pemula Tbk	2017	4.40240	0.24058	0.49709	1.18004	6.32011
			2018	5.19967	0.09555	0.20002	2.01483	7.51007
			2019	6.21508	0.11288	0.23420	1.23292	7.79507
19	BATA	Sepatu Bata Tbk	2017	4.44116	0.20441	0.62453	0.04939	5.31949
			2018	4.96478	0.25681	0.72310	0.05686	6.00155
			2019	4.76413	0.08715	0.27481	0.06503	5.19112
20	BAYU	Bayu Buana Tbk	2017	3.50212	0.14141	0.37600	0.52379	4.54332
			2018	3.66822	0.16138	0.42789	0.52524	4.78273
			2019	3.52321	0.18975	0.48896	0.49140	4.69332
21	BCIP	Bumi Citra Permai Tbk	2017	2.80131	0.20690	0.53125	0.31068	3.85013
			2018	3.16783	0.19276	0.53328	0.34167	4.23554
			2019	3.28002	0.08723	0.16359	0.34632	3.87716
22	BEST	Bekasi Fajar Industrial Estate Tbk	2017	4.41407	0.27555	0.84665	0.54146	6.07773
			2018	4.58084	0.21525	0.72578	0.47824	6.00010
			2019	4.35099	0.19702	0.67653	0.52466	5.74920
23	BIPP	Bhuwanatala Indah Permai Tbk	2017	4.55375	-0.05786	0.04885	0.31052	4.85526
			2018	3.59669	-0.12514	-0.23242	0.17817	3.41730
			2019	3.39504	-0.00142	0.03960	0.15883	3.59205
24	BIRD	Blue Bird Tbk	2017	4.96385	0.21386	0.58533	0.16570	5.92873
			2018	4.96602	0.21574	0.53937	0.15546	5.87659
			2019	4.77852	0.13859	0.33666	0.13030	5.38407
25	BISI	BISI International Tbk	2017	5.50377	0.50135	1.28315	0.74605	8.03432
			2018	5.16713	0.44767	1.13768	0.69219	7.44466
			2019	5.48032	0.36190	1.00757	0.50443	7.35422

26	BKDP	Bukit Darmo Property Tbk	2017	4.18439	-0.17962	-0.21872	2.52793	6.31397
			2018	3.98124	-0.15650	-0.32372	2.38966	5.89067
			2019	3.60721	-0.10847	-0.22464	2.47625	5.75035
27	BKSL	Sentul City Tbk	2017	4.35488	0.10199	0.43149	1.32404	6.21240
			2018	4.28695	0.07393	0.29340	1.18365	5.83793
			2019	4.06198	0.01301	0.22029	1.01330	5.30858
28	BLTZ	Graha Layar Prima Tbk	2017	4.22192	0.02324	1.40369	1.01585	6.66470
			2018	4.32034	0.06518	1.52492	1.05055	6.96098
			2019	4.25569	0.14171	1.89915	0.93836	7.23491
29	BMTR	Global Mediacom Tbk	2017	3.34608	0.12408	1.28183	0.10988	4.86188
			2018	3.23887	0.15209	1.31005	0.10166	4.80267
			2019	3.77905	0.25054	1.47501	0.11662	5.62122
30	BOLT	Garuda Metalindo Tbk	2017	3.97682	0.25565	0.87692	0.52570	5.63510
			2018	3.82452	0.19504	0.75662	0.42848	5.20467
			2019	3.80405	0.12791	0.46918	0.48743	4.88856
31	BTON	Betonjaya Manunggal Tbk	2017	5.52819	0.23082	0.53968	0.65482	6.95352
			2018	5.52761	-0.02568	1.05847	0.55988	7.12028
			2019	5.24189	0.00739	0.08424	0.65482	5.98834
32	BUDI	Budi Starch & Sweetener Tbk	2017	2.66622	0.05067	0.13949	0.33844	3.19482
			2018	2.37129	0.04849	0.14217	0.27256	2.83450
			2019	2.81078	0.06957	0.18796	0.34442	3.41274
33	BUVA	Bukit Uluwatu Villa Tbk	2017	3.41432	-0.03882	-0.07912	0.22705	3.52343
			2018	3.70492	0.01100	0.03603	0.20007	3.95201
			2019	3.48754	-0.08824	-0.18975	0.18220	3.39175
34	CASS	Cardig Aero Service Tbk	2017	2.74790	0.55228	1.77378	0.19773	5.27169
			2018	2.59003	0.26508	0.93463	0.18642	3.97616

			2019	2.39644	-0.00905	0.60477	0.21412	3.20627
35	CEKA	Wilma Cahaya Indonesia Tbk	2017	4.25378	0.25146	0.77679	0.31902	5.60104
			2018	5.32726	0.21681	0.66009	0.81217	7.01634
			2019	5.48079	0.60088	0.15788	0.59663	6.83618
36	CINT	Chitose International Tbk	2017	5.26192	0.20281	0.54032	1.11342	7.11847
			2018	5.18890	0.08992	0.30210	1.02236	6.60328
			2019	4.90177	0.04514	0.17907	0.79653	5.92251
37	CKRA	Cakra Mineral Tbk	2017	6.38590	-1.48879	-3.06891	3.86119	5.68939
			2018	5.80579	-9.28050	-1.13036	9.14452	4.53945
			2019	5.92341	-0.05050	-0.10409	1.10211	6.87093
38	CLEO	Sariguna Primatirta Tbk	2017	2.95752	0.24748	0.63715	0.34951	4.19167
			2018	4.99888	0.24730	0.38687	1.26981	6.90287
			2019	4.03722	0.34234	0.33820	0.52627	5.24403
39	CLPI	Colorpak Indonesia Tbk	2017	4.89973	0.22260	0.58932	0.21625	5.92790
			2018	4.19514	0.14510	0.03069	0.12592	4.49686
			2019	6.56000	0.25021	0.79237	0.14581	7.74839
40	CMNP	Citra Marga Nusaphala Persada Tbk	2017	3.41436	0.21043	0.54024	0.34119	4.50623
			2018	3.39889	0.17709	0.44362	0.29332	4.31293
			2019	3.36051	0.14553	0.37783	0.25221	4.13608
41	CPIN	Charoen Pokphand Indonesia Tbk	2017	4.20064	0.33192	0.89217	0.01952	5.44425
			2018	4.70921	0.50550	1.35241	0.02086	6.58798
			2019	4.60139	0.42832	1.11701	0.02079	6.16752
42	CSAP	Catur Sentosa Adiprana Tbk	2017	1.94732	0.05648	0.29252	0.11779	2.41411
			2018	2.20053	0.05049	0.30683	0.12176	2.67961
			2019	1.96444	0.03390	0.27486	0.10148	2.37469
43	CTRA	Ciputra Development Tbk	2017	3.19676	0.16684	0.27511	0.29972	3.93843

			2018	3.18430	0.20437	0.26365	0.27612	3.92844
			2019	3.21903	0.19700	0.24448	0.26429	3.92480
44	CTTH	Citatah Tbk	2017	3.01101	0.02196	0.06667	1.27241	4.37205
			2018	2.90335	0.02035	0.07990	1.18078	4.18438
			2019	2.62668	-0.11202	-0.23871	1.08304	3.35899
45	DART	Duta Anggada Reality Tbk	2017	3.67091	0.01547	0.05838	0.05887	3.80363
			2018	3.16050	0.00622	0.03593	0.04954	3.25218
			2019	3.39711	-0.12311	-0.24500	0.04625	3.07525
46	DAYA	Duta Intidaya Tbk	2017	2.87489	-0.04707	-0.09082	1.51156	4.24856
			2018	2.60263	0.04115	0.03995	0.94225	3.62599
			2019	1.52381	0.08274	0.11633	0.41745	2.14032
47	DGIK	Nusa Kontruksi Enjiniring Tbk	2017	2.83324	0.02769	-0.14338	0.56247	3.28003
			2018	2.52247	-0.27605	-0.24496	0.54711	2.54857
			2019	3.29499	0.00299	-0.10722	0.87486	4.06562
48	DMAS	Putradelta Lestari Tbk	2017	6.15161	0.28674	0.56134	1.08810	8.08779
			2018	6.28752	0.21575	0.37222	1.62450	8.49999
			2019	5.59436	0.57155	1.08847	2.51361	9.76799
49	DPNS	Duta Pertiwi Nusantara Tbk	2017	5.69546	0.06302	0.16486	2.13799	8.06133
			2018	5.65442	0.09491	0.25754	1.95433	7.96120
			2019	5.81687	0.04035	0.11200	2.41183	8.38105
50	DPUM	Dua Putra Utama Makmur Tbk	2017	4.40442	0.16547	0.45047	0.64155	5.66191
			2018	4.37829	0.01313	0.03738	0.62559	5.05440
			2019	3.86493	-0.59951	-1.63770	0.58603	2.21375
51	DSFI	Dharma Samudera Fishing Industries Tbk	2017	2.89376	0.06021	0.18789	1.11266	4.25453
			2018	2.95235	0.06957	0.19035	0.87551	4.08778
			2019	3.30173	0.07046	0.18935	1.00286	4.56440

52	DVLA	Darya-Varia Laboratoria Tbk	2017	4.46279	0.32235	0.92615	0.82989	6.54118
			2018	4.67888	0.29462	1.08955	0.60925	6.67229
			2019	4.68200	0.28904	1.10625	0.56120	6.63849
53	DYAN	Dyandra Media International Tbk	2017	3.57340	0.01697	0.04231	0.67941	4.31209
			2018	4.33783	0.21288	0.55515	1.07688	6.18273
			2019	4.45403	0.05393	0.19142	1.15021	5.84959
54	EKAD	Ekadharna International Tbk	2017	5.45715	0.31176	0.86575	0.27388	6.90854
			2018	5.77617	0.24931	0.70415	0.28508	7.01471
			2019	5.57066	2.97015	0.88076	0.31710	9.73867
55	ELSA	Elnusa Tbk	2017	4.12339	0.16836	0.80067	0.42493	5.51735
			2018	3.82677	0.15923	0.77458	0.32512	5.08570
			2019	3.44791	0.17077	0.86020	0.23738	4.71626
56	ERAA	Erajaya Swasembada Tbk	2017	2.74014	0.17621	0.36323	0.29465	3.57423
			2018	2.49596	0.39262	0.63748	0.21315	3.73921
			2019	3.35057	0.25989	0.32589	0.35118	4.28753
57	FAST	Fast Food Indonesia Tbk	2017	3.08640	0.19801	0.40263	0.14389	3.83094
			2018	3.64144	0.23118	0.62732	0.14456	4.64450
			2019	2.96816	0.23128	0.61117	0.12004	3.93066
58	FMII	Fortune Mate Indonesia Tbk	2017	5.60577	0.03551	0.08328	2.38907	8.11364
			2018	4.70929	0.02047	0.05136	1.07625	5.85737
			2019	4.61525	0.00994	0.03648	1.08058	5.74224
59	GDST	Gunawan Dianjaya Steel Tbk	2017	4.30865	0.02605	0.11438	1.94940	6.39848
			2018	4.34779	-0.21173	-0.62866	2.12874	5.63615
			2019	3.42213	0.04969	0.11964	0.40474	3.99620
60	GEMA	Gema Grahasarana Tbk	2017	3.28296	0.09608	0.22402	0.08292	3.68598
			2018	2.83223	0.07142	0.21671	0.05992	3.18029

			2019	2.78398	0.10889	0.28908	0.06068	3.24262
61	GJTL	Gajah Tunggal Tbk	2017	2.05170	0.00807	0.03946	0.14634	2.24558
			2018	1.95548	-0.01233	-0.02918	0.13223	2.04621
			2019	2.16937	0.04653	0.16318	0.14496	2.52404
62	GMTD	Gowa Makasar Tourism Development Tbk	2017	3.71539	0.17899	0.37206	0.09892	4.36536
			2018	4.00069	0.15988	0.33278	0.10906	4.60240
			2019	4.08798	-0.20639	-0.42179	0.12773	3.58753
63	GPRA	Perdana Gapura Prima Tbk	2017	4.52064	0.08113	0.21820	0.96331	5.78328
			2018	4.61973	0.10699	0.34542	0.98814	6.06029
			2019	4.35592	0.10553	0.33183	0.78345	5.57673
64	GWSA	Greenwood Sejahtera Tbk	2017	6.08231	0.85339	0.17785	1.56205	8.67559
			2018	6.03677	0.09164	0.19091	1.37087	7.69019
			2019	6.05932	0.05427	0.11257	1.41176	7.63792
65	HERO	Hero Supermarket Tbk	2017	4.63168	-0.08474	-0.22967	0.10148	4.41875
			2018	4.07619	-0.66219	-1.36807	0.09425	2.14018
			2019	4.21492	0.03803	0.06185	0.10148	4.41629
66	IBST	Inti Bangun Sejahtera Tbk	2017	4.45655	0.13446	0.15666	0.34803	5.09570
			2018	4.43360	0.06161	0.13454	0.28321	4.91296
			2019	4.28041	0.04723	0.09975	0.22950	4.65688
67	ICBP	Indofood CBP Sukses Makmur Tbk	2017	4.21662	0.36530	1.10976	0.05420	5.74589
			2018	4.33434	0.44192	1.26080	0.05251	6.08957
			2019	4.51989	0.45141	1.28467	0.05086	6.30683
68	ICON	Island Concept Indonesia Tbk	2017	2.72539	0.11836	0.27528	0.26307	3.38209
			2018	3.39352	0.29166	0.60122	0.33600	4.62240
			2019	4.25016	0.36859	0.75980	0.49418	5.87273
69	IGAR	Champion Pacific Indonesia	2017	5.65116	0.45992	1.25441	0.71812	8.08360

		Tbk	2018	5.55613	0.25541	0.72772	0.58477	7.12403
			2019	5.70314	0.32113	0.90893	0.63271	7.56592
70	INDX	Tanah Laut Tbk	2017	6.47016	-1.71285	-3.52968	3.54661	4.77424
			2018	6.51827	-3.33343	-1.23374	6.69171	8.64281
			2019	5.86427	0.05096	0.13143	1.27258	7.31924
71	INTP	Indocement Tunggal Perkasa Tbk	2017	5.58109	0.21006	0.43650	0.44870	6.67635
			2018	5.48188	0.13443	0.33876	0.42318	6.37825
			2019	5.46441	0.21594	0.55172	0.41764	6.64971
72	JECC	Jembo Cable Company Tbk	2017	1.86241	0.14094	0.38906	0.05750	2.44991
			2018	2.20968	0.13714	0.39016	0.05694	2.79392
			2019	2.62619	0.17695	0.51579	0.07009	3.38901
73	JIHD	Jakarta Internasional Hotels & Development Tbk	2017	4.87723	0.09430	0.10845	0.71622	5.79621
			2018	4.96399	0.07815	0.05638	0.76071	5.85923
			2019	4.78251	0.06866	-0.06042	0.65931	5.45006
74	JKON	Jaya Kontruksi Manggala Pratama Tbk	2017	3.75103	0.24043	0.51553	0.19032	4.69731
			2018	3.52628	0.18201	0.49824	0.15415	4.36068
			2019	3.59110	0.13381	0.42395	0.15355	4.30243
75	JPFA	Japfa Comfeed Indonesia Tbk	2017	3.04707	0.01667	0.72496	0.16887	3.95757
			2018	2.90863	0.31884	1.12123	0.15390	4.50259
			2019	2.98193	0.24385	0.84048	0.14366	4.20992
76	JRPT	Jaya Real Property Tbk	2017	4.13883	0.38446	0.82458	0.08259	5.43046
			2018	4.16539	0.32465	0.68940	0.07504	5.25447
			2019	4.34937	0.30285	0.63541	0.07675	5.36437
77	JSPT	Jakarta Setiabudi Internasional Tbk	2017	4.43440	0.14180	0.39096	0.91186	5.87902
			2018	4.20582	0.30149	0.69684	0.67190	5.87605
			2019	3.87665	0.08367	0.19516	0.53227	4.68776

78	JTPE	Jasuindo Tiga Perkasa Tbk	2017	3.78879	0.26314	0.96415	0.08388	5.09996
			2018	3.90658	0.36148	1.03473	0.08181	5.38460
			2019	4.24452	0.51598	1.49368	0.08842	6.34259
79	KBLI	KMI Wire & Cable Tbk	2017	3.88918	0.38830	1.14780	0.56061	5.98590
			2018	4.10600	0.23675	1.13188	0.56670	6.04133
			2019	4.39450	0.36203	1.45856	0.58592	6.80101
80	KDSI	Kedawang Setia Industrial Tbk	2017	2.39792	0.16926	0.65900	0.25230	3.47848
			2018	2.61742	0.17985	0.66167	0.25426	3.71320
			2019	3.18257	0.16666	0.82724	0.32942	4.50589
81	KICI	Kedaung Indah Can Tbk	2017	4.01706	0.17338	0.51522	1.25083	5.95649
			2018	4.02951	-0.01849	0.00752	1.21889	5.23744
			2019	3.74985	-0.06768	-0.15328	1.10672	4.63561
82	KIJA	Kawasan Ndustri Jababeka Tbk	2017	3.43551	0.04336	0.07759	0.36482	3.92128
			2018	3.39643	0.01796	0.04713	0.34158	3.80309
			2019	3.36942	0.03905	0.09881	0.33307	3.84035
83	KINO	Kino Indonesia Tbk	2017	4.16418	0.11046	2.76160	0.12686	7.16309
			2018	3.99371	0.13623	3.07404	0.10674	7.31072
			2019	3.77591	0.35795	3.13488	0.07527	7.34401
84	KLBF	Kalbe Farma Indonesia Tbk	2017	5.48529	0.48131	1.31081	0.18081	7.45822
			2018	5.52912	0.44864	1.22444	0.17260	7.37480
			2019	5.40785	0.40823	1.12834	0.13675	7.08117
85	KOPI	Mitra Energi Persada Tbk	2017	5.37623	0.02195	0.24082	2.73422	8.37322
			2018	3.57593	-1.12792	-2.98405	3.32916	2.79313
			2019	3.81938	0.14907	0.53112	3.58764	8.08721
86	KPIG	MNC Land Tbk	2017	5.29177	0.27974	0.16007	1.31250	7.04408
			2018	4.84450	0.12382	0.16342	1.69758	6.82931

			2019	5.29878	0.03128	0.09401	1.54096	6.96503
87	LMPI	Langgeng Makmur Industri Tbk	2017	2.95758	-0.12164	0.65059	1.15532	4.64184
			2018	2.75582	-0.19224	0.42424	1.16058	4.14840
			2019	2.57299	-0.18416	0.45499	1.18101	4.02484
88	LMSH	Lionmesh Prima Tbk	2017	5.27614	0.26230	0.72920	0.31958	6.58722
			2018	5.43945	0.05881	0.21100	0.36876	6.07801
			2019	5.06795	-0.40438	-0.84954	0.30130	4.11533
89	LPCK	Lippo Cikarang Tbk	2017	4.09170	0.09703	0.20670	0.07845	4.47390
			2018	5.35433	0.71640	1.49666	0.21550	7.78288
			2019	5.84238	0.10246	0.23224	1.05243	7.22951
90	LPPF	Matahari Departement Store Tbk	2017	2.81378	1.14549	2.96699	0.13103	7.05730
			2018	2.36515	0.71029	2.10193	0.12611	5.30348
			2019	2.37080	0.92202	2.45141	0.11058	5.85481
91	LRNA	Eka Sari Lorena Transport Tbk	2017	5.40668	-0.48801	0.01025	4.06553	8.99445
			2018	5.63474	-0.31209	0.17328	4.17475	9.67069
			2019	5.66125	-0.07387	0.67111	1.43170	7.69019
92	LSIP	PP London Sumatra Indonesia Tbk	2017	5.46791	0.25540	0.66096	0.44162	6.82589
			2018	5.44556	0.10699	0.20122	0.42013	6.17391
			2019	5.45217	0.08054	0.22327	0.41487	6.17085
93	MAIN	Malindo Feedmill Tbk	2017	2.74040	0.03899	0.00719	0.01983	2.80640
			2018	2.86957	0.21372	0.61714	0.02006	3.72048
			2019	2.86279	0.10689	0.35963	0.01853	3.34784
94	MBTO	Martina Berto Tbk	2017	3.46829	-0.10311	-0.27251	0.30536	3.39803
			2018	0.30420	-5.74163	-1.60897	0.32329	-6.72311
			2019	2.61008	-0.36924	1.00349	0.31569	3.56002
95	MERK	Merek Tbk	2017	4.76652	0.55684	1.65415	0.10157	7.07908

			2018	2.69170	0.09647	0.25073	0.03158	3.07048
			2019	4.32459	0.28313	0.93667	0.07660	5.62099
96	MFMI	Multifiling Mitra Indonesia Tbk	2017	5.37724	0.30811	0.83434	1.80281	8.32251
			2018	3.45691	0.20484	0.52510	1.54618	5.73303
			2019	3.68416	1.03113	2.22957	0.43008	7.37493
97	MICE	Multi Indocitra Tbk	2017	4.61597	0.25162	0.78966	0.27901	5.93626
			2018	4.50393	0.11581	0.31926	0.21641	5.15540
			2019	4.28419	0.10768	0.29217	0.17470	4.85874
98	MIKA	Mitra Keluarga Karya Sehat Tbk	2017	5.61120	0.49035	1.25094	0.22418	7.57667
			2018	5.73572	0.42195	1.12252	0.23891	7.51911
			2019	5.63833	0.46269	1.21037	0.19094	7.50232
99	MIRA	Mitra Internasional Resources Tbk	2017	4.01320	-0.17498	0.16286	3.58499	7.58607
			2018	4.58733	0.00601	0.24367	2.39014	7.22716
			2019	4.37325	-0.02986	0.17093	4.44676	8.96108
100	MITI	Mitra Investindo Tbk	2017	2.32887	-0.32574	-0.55103	0.57275	2.02485
			2018	3.34409	0.16453	0.49891	1.18791	5.19545
			2019	-1.33556	-5.01481	-2.33728	0.25494	-8.43271
101	MLPL	Multipolar Tbk	2017	2.16208	-0.25999	-0.59478	0.16350	1.47080
			2018	2.39081	-0.30604	-0.61012	0.22979	1.70445
			2019	2.31612	-0.23127	-0.24416	0.25987	2.10056
102	MPPA	Matahari Putra Prima Tbk	2017	1.41929	-0.39295	-0.51032	0.06639	0.58241
			2018	1.56784	-0.60899	-1.49627	0.10802	-0.42940
			2019	0.91113	-0.47155	-0.55332	0.12014	0.00640
103	MRAT	Mustika Ratu Tbk	2017	4.83711	-0.00841	-0.01832	0.45586	5.26624
			2018	4.71570	-0.01437	0.02464	0.41376	5.13973
			2019	4.53915	0.00081	0.03064	0.36281	4.93341

104	MTDL	Metrodata Electronics Tbk	2017	3.38161	0.28564	0.73709	0.06229	4.46663
			2018	3.51138	0.28594	0.80133	0.05710	4.65576
			2019	3.54847	0.31011	0.85648	0.04992	4.76498
105	MTLA	Metropolitan Land Tbk	2017	4.03702	0.36856	0.76284	0.42881	5.59723
			2018	4.34317	0.31836	1.09769	0.45795	6.21718
			2019	4.13518	0.26028	0.80415	0.35605	5.55566
106	MTSM	Metro Reality Tbk	2017	5.68158	-0.19515	-0.22099	2.68909	7.95454
			2018	5.47625	-0.30127	-0.42650	4.92456	9.67304
			2019	4.58710	-0.34400	-0.48496	2.65801	6.41615
107	MYOR	Mayora Indah Tbk	2017	3.23445	0.35646	0.98525	0.06210	4.63825
			2018	3.18554	0.32623	0.90990	0.05189	4.47356
			2019	3.41128	0.34922	0.95462	0.05138	4.76650
108	NRCA	Nusa Raya Cipta Tbk	2017	3.36899	0.21357	0.51051	0.21110	4.30418
			2018	3.51532	0.17057	0.35716	0.25047	4.29351
			2019	3.25272	0.13390	0.27601	0.23006	3.89269
109	OMRE	Indonesia Prima Property Tbk	2017	6.20610	-0.05086	-0.10760	3.41746	9.46510
			2018	5.93520	0.10269	0.20909	1.93128	8.17826
			2019	5.86726	-0.04654	-0.09733	1.74942	7.47282
110	PBSA	Paramita Bangun Sarana Tbk	2017	4.83183	0.37420	0.87589	0.71055	6.79246
			2018	5.36154	0.20727	0.51607	1.29691	7.38179
			2019	4.88071	0.05992	0.22537	0.85110	6.01709
111	PDES	Destinasi Tirta Nusantara Tbk	2017	2.93923	0.21349	0.64890	0.29206	4.09368
			2018	3.04581	0.02044	0.25563	0.30671	3.62859
			2019	2.87259	-0.10900	-0.01573	0.29601	3.04386
112	PLIN	Plaza Indonesia Realty Tbk	2017	1.39546	0.20117	0.40620	0.26358	2.26641
			2018	4.90881	0.12495	0.19611	0.27854	5.50840

			2019	6.05161	0.14251	0.33375	1.91044	8.43832
113	PNSE	Pudjiadi & Sons Tbk	2017	3.73984	0.41782	1.76031	0.16495	6.08292
			2018	4.05016	0.36535	1.77463	0.47861	6.66875
			2019	3.75004	0.30786	1.72304	0.42469	6.20563
114	PSKT	Red Planet Indonesia Tbk	2017	5.83838	-0.35768	-0.45928	2.03308	7.05449
			2018	5.75936	-0.23101	-0.29915	1.89438	7.12357
			2019	5.62521	-0.10013	-0.16913	1.64190	6.99785
115	PTPP	PP (Persero) Tbk	2017	2.23620	0.13450	0.52294	0.02364	2.91728
			2018	2.03677	0.12153	0.44395	0.01797	2.62021
			2019	1.92104	0.06658	0.39584	0.01556	2.39901
116	PTSP	Pioneerindo Gourmet International Tbk	2017	3.15994	0.10912	0.32185	0.73072	4.32163
			2018	3.50382	0.20874	0.61960	0.80767	5.13982
			2019	3.54354	0.26500	0.74649	0.71517	5.27020
117	PUDP	Pudjiadi Prestige Tbk	2017	4.34821	0.01949	0.07184	1.01647	5.45601
			2018	4.53176	0.03814	0.09717	1.14314	5.81020
			2019	4.14425	0.02623	0.06242	0.87020	5.10310
118	PWON	Pakuwon Jati Tbk	2017	3.59256	2.82581	1.67872	0.11963	8.21673
			2018	4.01488	0.36837	1.08794	0.13024	5.60143
			2019	4.54902	0.40474	1.04497	0.15803	6.15676
119	RALS	Ramayana Lestari Sentosa Tbk	2017	4.68587	0.27028	0.51759	0.26656	5.74030
			2018	4.78885	0.36505	0.77792	0.26317	6.19499
			2019	4.84054	0.37384	0.69171	0.25156	6.15765
120	RANC	Supra Boga Lestari Tbk	2017	3.75806	0.15280	0.39374	0.47834	4.78294
			2018	3.65765	0.18019	0.44510	0.41072	4.69366
			2019	3.77281	0.18983	0.45180	0.40592	4.82036
121	RICY	Ricky Putra Globalindo Tbk	2017	2.05359	0.03927	0.47948	0.35682	2.92916

			2018	1.89569	0.03541	0.13025	0.30776	2.36911
			2019	1.85177	0.02872	0.11962	0.28978	2.28990
122	RODA	Pikko Land Development Tbk	2017	5.05658	0.03739	0.28883	1.75488	7.13768
			2018	4.48111	0.00008	0.17797	1.12907	5.78824
			2019	4.07892	-0.23009	0.25165	0.96479	5.06527
123	ROTI	Nippon Indosari Corpindo Tbk	2017	4.05737	0.09678	0.37901	0.07469	4.60786
			2018	4.35496	0.09436	0.29734	0.08796	4.83462
			2019	4.33299	0.16468	0.51229	0.08173	5.09170
124	SAME	Sarana Meditama Metropolitan Tbk	2017	3.98743	0.13691	0.61522	0.18425	4.92381
			2018	3.43972	0.07590	0.46670	0.10300	4.08532
			2019	2.87180	-0.16700	0.01628	0.09869	2.81977
125	SCCO	Supreme Cable Manufacturing & Commerce Tbk	2017	4.45842	0.21905	0.57793	0.16785	5.42325
			2018	4.58430	0.19880	0.55343	0.17557	5.51209
			2019	4.68228	0.22490	0.63129	0.16785	5.70632
126	SCMA	Surya Citra Media Tbk	2017	5.36584	0.79763	2.22350	0.78297	9.16993
			2018	5.42656	0.00073	1.89591	0.68125	8.00446
			2019	5.36053	0.00512	1.37374	0.63159	7.37098
127	SDMU	Sidomulya Selaras Tbk	2017	3.78809	-0.31971	-0.67141	0.73187	3.52884
			2018	2.19617	-0.33525	-0.70718	0.70074	1.85448
			2019	1.54213	-0.54214	-1.15706	0.71541	0.55833
128	SHID	Hotel Sahid Jaya International Tbk	2017	4.08920	0.00313	0.01206	0.87507	4.97947
			2018	4.13689	0.00372	0.00959	0.85838	5.00858
			2019	4.15722	-0.02801	-0.05458	0.81432	4.88895
129	SIDO	Industri Jamu dan Farmasi Sido Muncul Tbk	2017	6.01510	0.55101	1.45092	1.98102	9.99805
			2018	5.68407	0.61186	1.64882	0.62057	8.56532
			2019	5.70499	0.78890	2.16207	0.33551	8.99148

130	SIMP	Salim Ivomas Pratama Tbk	2017	3.57107	-0.06269	0.24022	0.21827	3.96688
			2018	3.46042	-0.01675	0.04007	0.20278	3.68652
			2019	3.34124	0.06494	-0.03795	0.19390	3.56213
131	SMBR	Semen Baturaja Tbk	2017	4.42424	0.09447	0.25510	0.63255	5.40636
			2018	4.11465	0.04478	0.17638	0.50480	4.84061
			2019	4.10029	0.01760	0.04834	0.49886	4.66509
132	SMMT	Golden Eagle Energy Tbk	2017	3.79102	0.18005	0.37014	1.34976	5.69096
			2018	4.06563	0.30619	0.27878	1.20736	5.85796
			2019	4.39920	0.02332	0.28084	1.44021	6.14357
133	SMRA	Summarecon Agung Tbk	2017	2.52972	0.08013	0.24784	0.11382	2.97150
			2018	2.55108	0.09663	0.27949	0.10639	3.03359
			2019	2.53669	0.08176	0.25375	0.10639	2.97859
134	SMSM	Selamat Sempurna Tbk	2017	4.90840	0.74102	1.98199	0.24573	7.87715
			2018	5.03563	0.73732	1.98702	0.23223	7.99220
			2019	5.15662	0.67013	1.77797	0.22743	7.83214
135	SONA	Sona Topas Tourism Industry Tbk	2017	3.66055	0.15441	0.40727	0.17231	4.39454
			2018	3.99691	0.32181	1.05886	0.17790	5.55547
			2019	4.92185	0.22988	0.05940	0.31355	5.52468
136	SPMA	Suparma Tbk	2017	3.53438	0.13827	0.37469	0.90613	4.95347
			2018	3.60525	0.11743	0.32284	0.87649	4.92202
			2019	3.80951	0.18004	0.50040	0.89295	5.38290
137	SQBB	Taisho Pharmaceutical Indonesia Tbk	2017	4.77568	1.18495	3.25981	0.00762	9.22806
			2018	4.46356	1.20988	3.32623	0.00618	9.00586
			2019	4.79168	1.40364	0.85163	0.00721	7.05416
138	SRAJ	Sejahteraraya AnugrahaJaya Tbk	2017	4.94409	-0.15315	0.34871	2.15861	7.29827
			2018	4.41357	-0.11379	0.45966	1.40608	6.16551

			2019	3.74798	-0.07944	0.60571	0.94532	5.21958
139	SRSN	Indo Acidatama Tbk	2017	4.17590	0.08839	0.01738	1.33230	5.61398
			2018	4.56376	0.18387	0.18561	1.51228	6.44552
			2019	4.33211	0.17918	0.13349	1.19424	5.83901
140	SRTG	Saratoga Investama Sedaya Tbk	2017	5.49032	0.38050	0.80436	0.06560	6.74079
			2018	5.20637	-0.99427	-2.23335	0.06863	2.04738
			2019	5.60437	0.89813	1.95067	0.07335	8.52651
141	SSIA	Surya Semesta Internusa Tbk	2017	3.31788	0.45719	1.28919	0.14117	5.20544
			2018	3.88506	0.03955	0.11360	0.20455	4.24276
			2019	3.63016	0.05491	0.13688	0.17087	3.99282
142	STAR	Star Petrochem Tbk	2017	5.23219	0.00315	0.05202	4.05071	9.33807
			2018	4.59397	0.00092	0.06578	4.04490	8.70557
			2019	5.54407	0.01097	0.07846	1.61282	7.24632
143	STTP	Siantar Top Tbk	2017	3.87806	0.30064	0.82778	0.14363	5.15012
			2018	4.10472	0.31605	0.82926	0.13967	5.38971
			2019	4.89003	0.54597	1.41567	0.18751	7.03918
144	TARA	Sitara Propertindo Tbk	2017	5.59919	0.00337	0.00695	0.84710	6.45661
			2018	6.15518	0.00309	0.00570	1.52735	7.69132
			2019	6.14111	0.00276	0.00634	1.47058	7.62079
145	TCID	Mandom Indonesia Tbk	2017	5.16156	0.24725	0.69164	0.43320	6.53365
			2018	5.29186	0.23072	0.64482	0.58204	6.74944
			2019	5.19192	0.18548	0.52943	0.43320	6.34002
146	TGKA	Tigaraksa Satria Tbk	2017	2.41684	0.28415	0.74828	0.05221	3.50148
			2018	2.34855	0.29799	0.82188	0.04310	3.51153
			2019	3.04803	0.46619	1.24053	0.06013	4.81488
147	TIRA	Tira Austenite Tbk	2017	3.03972	0.01194	-0.22141	0.33666	3.16690

			2018	3.07386	-0.00376	0.04787	0.33813	3.45610
			2019	3.21386	-0.10319	0.06077	0.35592	3.52736
148	TLKM	Telekomunikasi Indonesia (Persero) Tbk	2017	3.70652	0.53718	1.44451	0.06128	5.74949
			2018	3.73192	0.42654	1.18645	0.05850	5.40342
			2019	3.47709	0.40663	1.15159	0.05003	5.08534
149	TMPO	Tempo Intimedia Tbk	2017	2.55701	-0.00353	0.00297	0.31196	2.86841
			2018	4.02393	0.02313	0.04668	0.68205	4.77580
			2019	4.14625	0.00976	0.03445	0.73025	4.92072
150	TOPS	Totalindo Eka Persada Tbk	2017	2.32626	0.17819	0.48930	0.28706	3.28081
			2018	1.49564	0.03595	0.19905	0.34901	2.07965
			2019	2.81937	-0.22871	-0.35071	0.44625	2.68619
151	TOTL	Total Bangun Persada Tbk	2017	2.04319	0.23247	0.48490	0.16035	2.92091
			2018	2.13764	0.20640	0.43062	0.16450	2.93916
			2019	2.38424	0.19309	0.40441	0.18984	3.17158
152	TOTO	Surya Toto Indonesia Tbk	2017	3.93112	0.32172	0.89789	0.00005	5.15078
			2018	4.36895	0.39012	1.04843	0.00006	5.80755
			2019	4.32527	0.15705	0.42708	0.00005	4.90946
153	TOWR	Sarana Menara Nusantara Tbk	2017	2.48290	0.36488	1.49189	0.04593	4.38561
			2018	2.29526	0.31238	1.10931	0.03589	3.75284
			2019	1.60306	0.27728	0.95404	0.02833	2.86270
154	TRIS	Trisula International Tbk	2017	4.28810	0.08494	0.26923	0.58281	5.22508
			2018	3.57935	0.12625	0.32526	0.20908	4.23994
			2019	0.37774	0.01179	0.03746	0.67782	1.10481
155	TRST	Trias Sentosa Tbk	2017	3.88842	0.03736	0.02523	0.21722	4.16823
			2018	3.42534	0.04808	0.05680	0.14400	3.67422
			2019	0.32801	0.02917	0.02706	0.09288	0.47712

156	TSPC	Tempo Sean Pacific Tbk	2017	4.48398	0.24438	0.67254	0.10041	5.50131
			2018	4.52854	0.22384	0.62137	0.09694	5.47069
			2019	4.53723	0.23173	0.63905	0.09151	5.49952
157	UNVR	Unilever Indonesia Tbk	2017	1.79502	1.20778	3.33102	0.00583	6.33966
			2018	2.38290	1.45643	4.01612	0.00619	7.86164
			2019	1.67797	1.16714	3.22237	0.00521	6.07269
158	WAPO	Wahana Pronatural Tbk	2017	4.01188	0.02047	0.06160	1.13523	5.22918
			2018	5.62209	0.06141	0.17810	0.20896	6.07056
			2019	4.76368	-0.09376	-0.17854	4.41580	8.90717
159	WICO	Wicaksana Overseas International Tbk	2017	4.73384	1.33990	1.75926	1.82185	9.65485
			2018	4.71787	-0.17876	-0.37747	0.14439	4.30603
			2019	2.33358	-0.12916	-0.26634	1.48600	3.42407
160	WOOD	Integra Indocabinet Tbk	2017	3.26483	0.14542	0.40897	0.33996	4.15918
			2018	3.50273	0.17194	0.47541	0.30964	4.45972
			2019	3.21567	0.12889	0.34567	0.23549	3.92573
161	WSKT	Waskita Karya Beton Tbk	2017	1.52341	0.12107	0.24962	0.01492	1.90902
			2018	1.52341	0.12306	0.29909	0.01897	1.96454
			2019	1.55819	0.02736	0.07283	0.01525	1.67363
162	WTON	Wijaya Karya Beton Tbk	2017	2.55044	0.15703	0.39885	0.21183	3.31815
			2018	2.31682	0.22729	0.46853	0.15929	3.17193
			2019	2.22631	0.19749	0.40710	0.13400	2.96490
163	ZINC	Kapas Prima Coal Tbk	2017	4.41044	0.20710	0.62102	0.81785	6.05641
			2018	2.92876	0.27259	0.73222	0.72716	4.66072
			2019	0.68958	0.07847	0.22081	0.74455	1.73341

NO	KODE	Nama Perusahaan	Tahun	TA/Ait-1	NDA	DA
1	AALI	Astra Agro Lestari Tbk	2017	0.073671487	-0.040838579	0.114510066
2	ACES	Ace Hardware Indonesia Tbk	2017	-0.003257515	-0.000979311	-0.002278205
3	AGII	Aneka Gas Industri Tbk	2017	-0.042196431	-0.100169925	0.057973493
4	AKPI	Argha Karya Prima Industry Tbk	2017	-0.001783808	-0.080742514	0.078958705
5	AKRA	AKR Corporindo Tbk	2017	-1.142762382	-0.031608288	-1.111154094
6	ALKA	Alakasa Industrindo Tbk	2017	0.085844966	0.040032123	0.045812844
7	AMFG	Asahimas Flat Gas Tbk	2017	-0.055067222	-0.088603036	0.033535814
8	ANTM	Aneka Tambang (Pesero) Tbk	2017	-0.041447948	-0.056632272	0.015184324
9	APII	Arita Prima Indonesia Tbk	2017	0.013929866	-0.038496488	0.052426353
10	APLI	Asiaplast Industries Tbk	2017	-0.031987776	-0.07287843	0.040890654
11	APLN	Agung Podomoro Land Tbk	2017	0.101944999	-0.018700533	0.120645532
12	ARNA	Arwana Citramulia Tbk	2017	-0.007994686	-0.006186322	-0.001808363
13	ARTA	Arthavest Tbk	2017	-0.041861691	0.014114077	-0.055975768
14	ARTI	Ratu Prabu Energi Tbk	2017	-0.068487681	-0.047371328	-0.021116353
15	ASII	Astra Internasional Tbk	2017	-0.000458269	-0.022269259	0.02181099
16	ASRI	Alam Sutra Reality Tbk	2017	-0.029178385	-0.006994051	-0.022184334
17	AUTO	Astra Otoparts Tbk	2017	0.010508445	-0.028834781	0.039343226
18	BAPA	Bekasi Asri Pemula Tbk	2017	0.019195885	0.029909694	-0.010713809
19	BATA	Sepatu Bata Tbk	2017	0.007423166	-0.026401849	0.033825014
20	BAYU	Bayu Buana Tbk	2017	0.001973359	-0.000272476	0.002245835
21	BCIP	Bumi Citra Permai Tbk	2017	0.077903384	0.001370421	0.076532964
22	BEST	Bekasi Fajar Industrial Estate Tbk	2017	-0.042033449	-0.002692319	-0.03934113

23	BIPP	Bhuwanatala Indah Permai Tbk	2017	-0.022473857	-0.008318157	-0.0141557
24	BIRD	Blue Bird Tbk	2017	-0.083082898	-0.092512909	0.009430011
25	BISI	BISI International Tbk	2017	-0.031950642	-0.023530428	-0.008420214
26	BKDP	Bukit Darmo Property Tbk	2017	-0.09501799	0.004920456	-0.099938446
27	BKSL	Sentul City Tbk	2017	0.001540372	-0.001784068	0.003324441
28	BLTZ	Graha Layar Prima Tbk	2017	-0.101691307	-0.106130488	0.004439181
29	BMTR	Global Mediacom Tbk	2017	-0.134754423	-0.05582729	-0.078927133
30	BOLT	Garuda Metalindo Tbk	2017	-0.004541209	0.004130824	-0.008672033
31	BTON	Betonjaya Manunggal Tbk	2017	0.030262191	0.022827054	0.007435137
32	BUDI	Budi Starch & Sweetener Tbk	2017	-0.008040775	-0.075288344	0.067247569
33	BUVA	Bukit Uluwatu Villa Tbk	2017	-0.000380017	0.00179931	-0.002179327
34	CASS	Cardig Aero Service Tbk	2017	-0.021990094	-0.043551002	0.021560908
35	CEKA	Wilma Cahaya Indonesia Tbk	2017	-0.071130905	-0.014221946	-0.056908959
36	CINT	Chitose International Tbk	2017	-0.008944486	-0.0576664	0.048721914
37	CKRA	Cakra Mineral Tbk	2017	-0.280235157	0.005835369	-0.286070526
38	CLEO	Sariguna Primatirta Tbk	2017	-0.061112998	-0.095255381	0.034142383
39	CLPI	Colorpak Indonesia Tbk	2017	-0.021862749	-0.017956797	-0.003905952
40	CMNP	Citra Marga Nusaphala Persada Tbk	2017	-0.013398925	-0.001908693	-0.011490232
41	CPIN	Charoen Pokphand Indonesia Tbk	2017	0.036038927	-0.054134524	0.09017345
42	CSAP	Catur Sentosa Adiprana Tbk	2017	0.006888082	-0.001645295	0.008533377
43	CTRA	Ciputra Development Tbk	2017	0.018794108	-0.012921217	0.031715325
44	CTTH	Citatah Tbk	2017	0.009652807	-0.034303717	0.043956524
45	DART	Duta Anggada Reality Tbk	2017	0.021901445	-0.004946309	0.026847753
46	DAYA	Duta Intidaya Tbk	2017	-0.132472992	-0.004727433	-0.12774556
47	DGIK	Nusa Kontruksi Enjiniring Tbk	2017	0.047904489	-0.011289474	0.059193963
48	DMAS	Putradelta Lestari Tbk	2017	-0.016802612	-0.004334233	-0.012468379

49	DPNS	Duta Pertiwi Nusantara Tbk	2017	0.033625499	0.013479078	0.020146421
50	DPUM	Dua Putra Utama Makmur Tbk	2017	0.155870746	-0.066105847	0.221976593
51	DSFI	Dharma Samudera Fishing Industries Tbk	2017	1.095698134	-0.03841769	1.134115824
52	DVLA	Darya-Varia Laboratoria Tbk	2017	-0.04472407	0.00276545	-0.04748952
53	DYAN	Dyandra Media International Tbk	2017	-0.019178757	0.003343612	-0.022522369
54	EKAD	Ekadharna International Tbk	2017	0.035002828	-0.055205437	0.090208265
55	ELSA	Elnusa Tbk	2017	-0.034527922	-0.043633984	0.009106063
56	ERAA	Erajaya Swasembada Tbk	2017	-0.056284198	-0.078239103	0.021954905
57	FAST	Fast Food Indonesia Tbk	2017	-0.059358206	-0.018420129	-0.040938077
58	FMII	Fortune Mate Indonesia Tbk	2017	-0.000447317	0.006030789	-0.006478106
59	GDST	Gunawan Dianjaya Steel Tbk	2017	-0.016756514	-0.072592615	0.055836101
60	GEMA	Gema Grahasarana Tbk	2017	0.090286542	-0.031544144	0.121830686
61	GJTL	Gajah Tunggal Tbk	2017	-0.037107776	-0.057359874	0.020252097
62	GMTD	Gowa Makasar Tourism Development Tbk	2017	0.053981799	0.004064438	0.049917361
63	GPRA	Perdana Gapura Prima Tbk	2017	0.017508673	-0.001630649	0.019139322
64	GWSA	Greenwood Sejahtera Tbk	2017	0.048140817	-0.002574554	0.050715371
65	HERO	Hero Supermarket Tbk	2017	-0.097992623	-0.069234823	-0.028757799
66	IBST	Inti Bangun Sejahtera Tbk	2017	-0.040666733	-0.009927381	-0.030739352
67	ICBP	Indofood CBP Sukses Makmur Tbk	2017	-0.056438929	-0.033815896	-0.022623033
68	ICON	Island Concept Indonesia Tbk	2017	-0.009622898	0.009007373	-0.018630271
69	IGAR	Champion Pacific Indonesia Tbk	2017	-0.035778371	-0.011952573	-0.023825798
70	INDX	Tanah Laut Tbk	2017	-0.301621095	-0.007764972	-0.293856123
71	INTP	Indocement Tunggal Perkasa Tbk	2017	-0.030579412	-0.060116093	0.029536682
72	JECC	Jembo Cable Company Tbk	2017	-0.001633788	-0.039760858	0.03812707

73	JIHD	Jakarta Internasional Hotels & Development Tbk	2017	-0.035848619	-0.018193399	-0.017655219
74	JKON	Jaya Kontruksi Manggala Pratama Tbk	2017	0.119984197	-0.021037391	0.141021588
75	JPFA	Japfa Comfeed Indonesia Tbk	2017	0.017513248	-0.052088831	0.06960208
76	JRPT	Jaya Real Property Tbk	2017	0.062416275	-0.001086258	0.063502533
77	JSPT	Jakarta Setiabudi Internasional Tbk	2017	0.00355029	-0.035947064	0.039497354
78	JTPE	Jasuindo Tiga Perkasa Tbk	2017	-0.044141254	0.002932302	-0.047073556
79	KBLI	KMI Wire & Cable Tbk	2017	0.022894617	-0.064378578	0.087273195
80	KDSI	Kedawung Setia Industrial Tbk	2017	0.114006762	0.003260108	0.110746654
81	KICI	Kedaung Indah Can Tbk	2017	0.012315874	0.012043399	0.000272475
82	KIJA	Kawasan Ndustri Jababeka Tbk	2017	-0.044703039	-0.026209882	-0.018493157
83	KINO	Kino Indonesia Tbk	2017	-0.039767429	-0.044619696	0.004852267
84	KLBF	Kalbe Farma Indonesia Tbk	2017	0.029222028	-0.042132682	0.071354711
85	KOPI	Mitra Energi Persada Tbk	2017	0.00511226	-0.014682696	0.019794956
86	KPIG	MNC Land Tbk	2017	0.10314808	-0.028501355	0.131649435
87	LMPI	Langgeng Makmur Industri Tbk	2017	-0.017699094	-0.032586201	0.014887107
88	LMSH	Lionmesh Prima Tbk	2017	-0.014871793	-0.008041543	-0.00683025
89	LPCK	Lippo Cikarang Tbk	2017	0.671437868	-0.001226454	0.672664322
90	LPPF	Matahari Departement Store Tbk	2017	-0.063078349	-0.023186967	-0.039891381
91	LRNA	Eka Sari Lorena Transport Tbk	2017	-0.154444493	-0.062295072	-0.092149421
92	LSIP	PP London Sumatra Indonesia Tbk	2017	-0.05270265	-0.040730326	-0.011972324
93	MAIN	Malindo Feedmill Tbk	2017	-0.056755335	-0.063123831	0.006368496
94	MBTO	Martina Berto Tbk	2017	0.081334639	-0.018162242	0.09949688
95	MERK	Merek Tbk	2017	0.062712576	-0.068398789	0.131111364
96	MFMI	Multifiling Mitra Indonesia Tbk	2017	-0.10913623	-0.087600494	-0.021535736

97	MICE	Multi Indocitra Tbk	2017	0.072635067	-0.037774338	0.110409405
98	MIKA	Mitra Keluarga Karya Sehat Tbk	2017	-0.014602706	-0.046527374	0.031924669
99	MIRA	Mitra Internasional Resources Tbk	2017	-0.119613542	-0.038227387	-0.081386155
100	MITI	Mitra Investindo Tbk	2017	-0.116755095	0.022887949	-0.139643045
101	MLPL	Multipolar Tbk	2017	-0.054341495	-0.015917238	-0.038424256
102	MPPA	Matahari Putra Prima Tbk	2017	-0.164268382	-0.025557389	-0.138710993
103	MRAT	Mustika Ratu Tbk	2017	0.018780797	-0.004686912	0.023467709
104	MTDL	Metrodata Electronics Tbk	2017	0.076196698	-0.004763993	0.080960691
105	MTLA	Metropolitan Land Tbk	2017	0.011844031	-0.010130173	0.021974205
106	MTSM	Metro Reality Tbk	2017	-0.005877466	0.024167566	-0.030045032
107	MYOR	Mayora Indah Tbk	2017	0.027504361	-0.036605936	0.064110297
108	NRCA	Nusa Raya Cipta Tbk	2017	-0.033107438	-0.003295679	-0.029811758
109	OMRE	Indonesia Prima Property Tbk	2017	-0.011174255	-0.006664106	-0.004510149
110	PBSA	Paramita Bangun Sarana Tbk	2017	-0.14257455	-0.004673156	-0.137901394
111	PDES	Destinasi Tirta Nusantara Tbk	2017	-0.089147986	0.01033474	-0.099482726
112	PLIN	Plaza Indonesia Realty Tbk	2017	-0.036219837	-0.019649194	-0.016570643
113	PNSE	Pudjiadi & Sons Tbk	2017	-0.027269843	-0.076796999	0.049527155
114	PSKT	Red Planet Indonesia Tbk	2017	-0.043065923	-0.071379922	0.028313999
115	PTPP	PP (Persero) Tbk	2017	0.008365384	-0.022133994	0.030499378
116	PTSP	Pioneerindo Gourmet International Tbk	2017	-0.161404164	-0.058305698	-0.103098466
117	PUDP	Pudjiadi Prestige Tbk	2017	-0.439808375	-0.028498001	-0.411310374
118	PWON	Pakuwon Jati Tbk	2017	-0.002380736	-0.00955458	0.007173844
119	RALS	Ramayana Lestari Sentosa Tbk	2017	-0.095760305	-0.031169582	-0.064590723
120	RANC	Supra Boga Lestari Tbk	2017	-0.126775849	-0.031459427	-0.095316421
121	RICY	Ricky Putra Globalindo Tbk	2017	-0.152295966	-0.025759587	-0.126536379

122	RODA	Pikko Land Development Tbk	2017	0.033623717	0.001108608	0.032515109
123	ROTI	Nippon Indosari Corpindo Tbk	2017	-0.080576072	-0.081003534	0.000427462
124	SAME	Sarana Meditama Metropolitan Tbk	2017	0.003967086	-0.121600909	0.125567995
125	SCCO	Supreme Cable Manufacturing &Commerce Tbk	2017	0.138771378	-0.083498473	0.222269852
126	SCMA	Surya Citra Media Tbk	2017	0.013946066	-0.025374697	0.039320763
127	SDMU	Sidomulya Selaras Tbk	2017	-0.093794729	-0.040342489	-0.05345224
128	SHID	Hotel Sahid Jaya International Tbk	2017	-0.033303995	-0.091289255	0.057985261
129	SIDO	Industri Jamu dan Farmasi Sido Muncul Tbk	2017	-0.035779723	-0.047559308	0.011779585
130	SIMP	Salim Ivomas Pratama Tbk	2017	-0.040167601	-0.03800757	-0.00216003
131	SMBR	Semen Baturaja Tbk	2017	0.008374617	-0.105542202	0.11391682
132	SMMT	Golden Eagle Energy Tbk	2017	0.077804312	-0.003124133	0.080928446
133	SMRA	Summarecon Agung Tbk	2017	0.043381759	-0.002192871	0.04557463
134	SMSM	Selamat Sempurna Tbk	2017	0.048500492	-0.034074487	0.082574979
135	SONA	Sona Topas Tourism Industry Tbk	2017	-0.077801252	-0.018715149	-0.059086103
136	SPMA	Suparma Tbk	2017	-0.000494486	-0.0005335	3.90138E-05
137	SQBB	Taisho Pharmaceutical Indonesia Tbk	2017	-0.027698975	0.009090652	-0.036789627
138	SRAJ	Sejahteraraya AnugrahaJaya Tbk	2017	-0.049451239	0.002682122	-0.052133361
139	SRSN	Indo Acidatama Tbk	2017	0.044483511	-0.028244514	0.072728026
140	SRTG	Saratoga Investama Sedaya Tbk	2017	0.047153881	-0.000109366	0.047263247
141	SSIA	Surya Semesta Internusa Tbk	2017	0.209398436	-0.020456057	0.229854493
142	STAR	Star Petrochem Tbk	2017	-0.052055665	-0.043266248	-0.008789417
143	STTP	Siantar Top Tbk	2017	-0.036460477	-0.055978122	0.019517645
144	TARA	Sitara Propertindo Tbk	2017	-0.013769962	0.004254342	-0.018024303
145	TCID	Mandom Indonesia Tbk	2017	-0.084473003	-0.050949775	-0.033523228

146	TGKA	Tigaraksa Satria Tbk	2017	0.141350202	0.001553785	0.139796417
147	TIRA	Tira Austenite Tbk	2017	0.001667202	-0.038691067	0.040358269
148	TLKM	Telekomunikasi Indonesia (Persero) Tbk	2017	-0.093000985	-0.087745358	-0.005255627
149	TMPO	Tempo Intimedia Tbk	2017	-0.045301541	-0.019339873	-0.025961667
150	TOPS	Totalindo Eka Persada Tbk	2017	-0.005230951	-0.015325153	0.010094203
151	TOTL	Total Bangun Persada Tbk	2017	1.058936973	-0.007393678	1.066330651
152	TOTO	Surya Toto Indonesia Tbk	2017	-0.007997816	-0.03575386	0.027756044
153	TOWR	Sarana Menara Nusantara Tbk	2017	0.003022819	-0.081041963	0.084064782
154	TRIS	Trisula International Tbk	2017	0.000369788	-0.041764546	0.042134335
155	TRST	Trias Sentosa Tbk	2017	0.00037591	-0.071743573	0.072119483
156	TSPC	Tempo Sean Pacific Tbk	2017	0.00190634	-0.03565089	0.03755723
157	UNVR	Unilever Indonesia Tbk	2017	-0.033633405	-0.075139026	0.041505621
158	WAPO	Wahana Pronatural Tbk	2017	-0.932579788	-0.011700096	-0.920879693
159	WICO	Wicaksana Overseas International Tbk	2017	3.506184135	-0.001400109	3.507584244
160	WOOD	Integra Indocabinet Tbk	2017	-0.017748464	-0.064118	0.046369536
161	WSKT	Waskita Karya Beton Tbk	2017	-0.013762979	-0.008659655	-0.005103324
162	WTON	Wijaya Karya Beton Tbk	2017	-0.031931753	-0.067879753	0.035948
163	ZINC	Kapuas Prima Coal Tbk	2017	-0.000971971	-0.042428976	0.041457005
164	AALI	Astra Agro Lestari Tbk	2018	0.064608251	0.102121747	-0.037513496
165	ACES	Ace Hardware Indonesia Tbk	2018	0.005553719	0.003034684	0.002519035
166	AGII	Aneka Gas Industri Tbk	2018	-0.025924711	0.235875995	-0.261800706
167	AKPI	Argha Karya Prima Industry Tbk	2018	-0.002092283	0.199396081	-0.201488363
168	AKRA	AKR Corporindo Tbk	2018	-1.302974264	0.087307443	-1.390281707
169	ALKA	Alakasa Industrindo Tbk	2018	-0.159506343	0.008885048	-0.16839139

170	AMFG	Asahimas Flat Gas Tbk	2018	-0.033539912	0.282771099	-0.316311012
171	ANTM	Aneka Tambang (Pesero) Tbk	2018	-0.007948746	0.19367481	-0.201623556
172	APII	Arita Prima Indonesia Tbk	2018	0.006661304	0.127076395	-0.120415091
173	APLI	Asiaplast Industries Tbk	2018	-0.062519687	0.195562143	-0.25808183
174	APLN	Agung Podomoro Land Tbk	2018	0.035220156	0.045945696	-0.01072554
175	ARNA	Arwana Citramulia Tbk	2018	-0.123993842	0.149236555	-0.273230396
176	ARTA	Arthavest Tbk	2018	-0.042982916	0.006047486	-0.049030402
177	ARTI	Ratu Prabu Energi Tbk	2018	-0.071321834	0.146528576	-0.21785041
178	ASII	Astra Internasional Tbk	2018	-0.001082376	0.058225355	-0.05930773
179	ASRI	Alam Sutra Reality Tbk	2018	-0.026140092	0.019200956	-0.045341048
180	AUTO	Astra Otoparts Tbk	2018	0.00015797	0.070787932	-0.070629962
181	BAPA	Bekasi Asri Pemula Tbk	2018	0.01332179	0.012622639	0.000699151
182	BATA	Sepatu Bata Tbk	2018	0.032134217	0.085729876	-0.053595659
183	BAYU	Bayu Buana Tbk	2018	0.014117455	0.023709047	-0.009591593
184	BCIP	Bumi Citra Permai Tbk	2018	0.04826947	0.014075138	0.034194332
185	BEST	Bekasi Fajar Industrial Estate Tbk	2018	-0.049131198	0.00970496	-0.058836158
186	BIPP	Bhuwanatala Indah Permai Tbk	2018	-0.103921899	0.026905734	-0.130827633
187	BIRD	Blue Bird Tbk	2018	-0.093391731	0.262076964	-0.355468695
188	BISI	BISI International Tbk	2018	-0.013752751	0.057370035	-0.071122786
189	BKDP	Bukit Darmo Property Tbk	2018	-0.058326762	0.005972185	-0.064298947
190	BKSL	Sentul City Tbk	2018	-0.029849305	0.00441408	-0.034263384
191	BLTZ	Graha Layar Prima Tbk	2018	-0.106804484	0.23013462	-0.336939104
192	BMTR	Global Mediacom Tbk	2018	-0.101698034	0.1370823	-0.238780334
193	BOLT	Garuda Metalindo Tbk	2018	0.014576891	0.002580725	0.011996166
194	BTON	Betonjaya Manunggal Tbk	2018	0.01227501	0.161243058	-0.148968048
195	BUDI	Budi Starch & Sweetener Tbk	2018	0.008318206	0.190365557	-0.182047351

196	BUVA	Bukit Uluwatu Villa Tbk	2018	-0.005417908	0.001425375	-0.006843283
197	CASS	Cardig Aero Service Tbk	2018	-0.116567352	0.112387631	-0.228954983
198	CEKA	Wilma Cahaya Indonesia Tbk	2018	-0.139742163	0.04403022	-0.183772384
199	CINT	Chitose International Tbk	2018	0.048950087	0.150460172	-0.101510085
200	CKRA	Cakra Mineral Tbk	2018	-7.261266921	0.003261186	-7.264528106
201	CLEO	Sariguna Primatirta Tbk	2018	-0.10376109	0.251055991	-0.354817081
202	CLPI	Colorpak Indonesia Tbk	2018	0.075682958	0.06887888	0.006804079
203	CMNP	Citra Marga Nusaphala Persada Tbk	2018	0.007505583	0.00525155	0.002254033
204	CPIN	Charoen Pokphand Indonesia Tbk	2018	-0.019756027	0.142123857	-0.161879883
205	CSAP	Catur Sentosa Adiprana Tbk	2018	0.0424531	0.080279174	-0.037826074
206	CTRA	Ciputra Development Tbk	2018	0.008173206	0.029334481	-0.021161275
207	CTTH	Citatah Tbk	2018	0.04495441	0.094998951	-0.050044541
208	DART	Duta Anggada Reality Tbk	2018	0.019440635	0.0434304	-0.023989765
209	DAYA	Duta Intidaya Tbk	2018	-0.013038895	0.101937158	-0.114976053
210	DGIK	Nusa Kontruksi Enjiniring Tbk	2018	0.037370604	0.026978857	0.010391748
211	DMAS	Putradelta Lestari Tbk	2018	0.020831704	0.012713634	0.00811807
212	DPNS	Duta Pertiwi Nusantara Tbk	2018	0.072165053	0.016484446	0.055680607
213	DPUM	Dua Putra Utama Makmur Tbk	2018	0.002485603	0.146065517	-0.143579914
214	DSFI	Dharma Samudera Fishing Industries Tbk	2018	-0.01910255	0.137975468	-0.157078019
215	DVLA	Darya-Varia Laboratoria Tbk	2018	0.10605461	0.072814036	0.033240574
216	DYAN	Dyandra Media International Tbk	2018	-0.03786609	0.001399024	-0.039265114
217	EKAD	Ekadharma International Tbk	2018	0.020481555	0.002770416	0.017711139
218	ELSA	Elnusa Tbk	2018	-0.014095736	0.107002052	-0.121097788
219	ERAA	Erajaya Swasembada Tbk	2018	0.373763278	0.019054837	0.354708442
220	FAST	Fast Food Indonesia Tbk	2018	-0.131527541	0.053534662	-0.185062203

221	FMII	Fortune Mate Indonesia Tbk	2018	-0.391914758	0.002369925	-0.394284683
222	GDST	Gunawan Dianjaya Steel Tbk	2018	-0.073355836	0.216529698	-0.289885535
223	GEMA	Gema Grahasarana Tbk	2018	-0.021864051	0.117272761	-0.139136812
224	GJTL	Gajah Tunggal Tbk	2018	-0.030470432	0.000259181	-0.030729613
225	GMTD	Gowa Makasar Tourism Development Tbk	2018	0.043123256	0.001969231	0.041154025
226	GPRA	Perdana Gapura Prima Tbk	2018	0.026705795	0.009991604	0.016714191
227	GWSA	Greenwood Sejahtera Tbk	2018	0.049464326	0.009474425	0.039989901
228	HERO	Hero Supermarket Tbk	2018	-0.024049373	0.112882262	-0.136931636
229	IBST	Inti Bangun Sejahtera Tbk	2018	-0.048950328	0.297213959	-0.346164287
230	ICBP	Indofood CBP Sukses Makmur Tbk	2018	0.00017097	0.101321731	-0.101150761
231	ICON	Island Concept Indonesia Tbk	2018	0.062560402	0.011411254	0.051149149
232	IGAR	Champion Pacific Indonesia Tbk	2018	0.083157504	0.081489389	0.001668115
233	INDX	Tanah Laut Tbk	2018	-0.157584677	0.081125089	-0.238709766
234	INTP	Indocement Tunggal Perkasa Tbk	2018	-0.029053645	0.151200692	-0.180254337
235	JECC	Jembo Cable Company Tbk	2018	0.046064408	0.09205631	-0.045991902
236	JIHD	Jakarta Internasional Hotels & Development Tbk	2018	-0.034071041	0.045945683	-0.080016724
237	JKON	Jaya Kontruksi Manggala Pratama Tbk	2018	0.104657427	0.053434299	0.051223128
238	JPFA	Japfa Comfeed Indonesia Tbk	2018	0.015482764	0.112272502	-0.096789738
239	JRPT	Jaya Real Property Tbk	2018	0.002935223	0.004395283	-0.00146006
240	JSPT	Jakarta Setiabudi Internasional Tbk	2018	0.024888645	0.125655914	-0.100767269
241	JTPE	Jasuindo Tiga Perkasa Tbk	2018	-0.032936065	0.130588219	-0.163524284
242	KBLI	KMI Wire & Cable Tbk	2018	0.048547805	0.094887742	-0.046339937
243	KDSI	Kedawung Setia Industrial Tbk	2018	-0.00888058	0.118978152	-0.127858732

244	KICI	Kedaung Indah Can Tbk	2018	-0.002289079	0.09660054	-0.098889619
245	KIJA	Kawasan Ndustri Jababeka Tbk	2018	-0.005837767	0.059600843	-0.06543861
246	KINO	Kino Indonesia Tbk	2018	-0.003227445	0.13102595	-0.134253395
247	KLBF	Kalbe Farma Indonesia Tbk	2018	0.002084286	0.112267256	-0.11018297
248	KOPI	Mitra Energi Persada Tbk	2018	-0.325283776	0.125454306	-0.450738081
249	KPIG	MNC Land Tbk	2018	0.049124981	0.076817771	-0.02769279
250	LMPI	Langgeng Makmur Industri Tbk	2018	-0.090409467	0.09527048	-0.185679948
251	LMSH	Lionmesh Prima Tbk	2018	0.030228006	0.110389362	-0.080161357
252	LPCK	Lippo Cikarang Tbk	2018	0.202182994	0.002424895	0.199758099
253	LPPF	Matahari Departement Store Tbk	2018	-0.161058668	0.068935365	-0.229994033
254	LRNA	Eka Sari Lorena Transport Tbk	2018	-0.115058951	0.309370956	-0.424429907
255	LSIP	PP London Sumatra Indonesia Tbk	2018	-0.034256973	0.190853726	-0.225110699
256	MAIN	Malindo Feedmill Tbk	2018	-0.020543272	0.153663544	-0.174206816
257	MBTO	Martina Berto Tbk	2018	-0.154640325	0.053560752	-0.208201078
258	MERK	Merek Tbk	2018	3.588228767	0.206939638	3.381289129
259	MFMI	Multifiling Mitra Indonesia Tbk	2018	-0.090358529	0.273340819	-0.363699348
260	MICE	Multi Indocitra Tbk	2018	0.086379598	0.13906966	-0.052690061
261	MIKA	Mitra Keluarga Karya Sehat Tbk	2018	-0.017925616	0.131094624	-0.14902024
262	MIRA	Mitra Internasional Resources Tbk	2018	-0.035560226	0.133635594	-0.16919582
263	MITI	Mitra Investindo Tbk	2018	0.030523334	0.008545797	0.021977538
264	MLPL	Multipolar Tbk	2018	-0.074773336	0.033341805	-0.108115141
265	MPPA	Matahari Putra Prima Tbk	2018	0.212590281	0.060677865	0.151912416
266	MRAT	Mustika Ratu Tbk	2018	0.007024975	0.039463178	-0.032438203
267	MTDL	Metrodata Electronics Tbk	2018	0.018206202	0.020901846	-0.002695644
268	MTLA	Metropolitan Land Tbk	2018	-0.003945562	0.022778874	-0.026724436
269	MTSM	Metro Reality Tbk	2018	-0.018106524	0.123517478	-0.141624002

270	MYOR	Mayora Indah Tbk	2018	0.090891447	0.088832675	0.002058772
271	NRCA	Nusa Raya Cipta Tbk	2018	0.083782476	0.013008183	0.070774294
272	OMRE	Indonesia Prima Property Tbk	2018	0.046637895	0.020641292	0.025996604
273	PBSA	Paramita Bangun Sarana Tbk	2018	0.015220918	0.054054821	-0.038833903
274	PDES	Destinasi Tirta Nusantara Tbk	2018	-0.064446358	0.134512708	-0.198959066
275	PLIN	Plaza Indonesia Realty Tbk	2018	0.002667564	0.053317498	-0.050649934
276	PNSE	Pudjiadi & Sons Tbk	2018	-0.058362549	0.212671031	-0.27103358
277	PSKT	Red Planet Indonesia Tbk	2018	-0.048856031	0.244556155	-0.293412186
278	PTPP	PP (Persero) Tbk	2018	0.029745867	0.077276335	-0.047530468
279	PTSP	Pioneerindo Gourmet International Tbk	2018	-0.141605986	0.177799426	-0.319405412
280	PUDP	Pudjiadi Prestige Tbk	2018	0.915319901	0.104747853	0.810572049
281	PWON	Pakuwon Jati Tbk	2018	0.001266154	0.022199595	-0.020933441
282	RALS	Ramayana Lestari Sentosa Tbk	2018	-0.040893538	0.071306258	-0.112199797
283	RANC	Supra Boga Lestari Tbk	2018	-0.163899997	0.096934936	-0.260834933
284	RICY	Ricky Putra Globalindo Tbk	2018	-0.110249347	0.06952877	-0.179778117
285	RODA	Pikko Land Development Tbk	2018	0.033489031	0.001114986	0.032374044
286	ROTI	Nippon Indosari Corpindo Tbk	2018	-0.003701027	0.014565822	-0.018266849
287	SAME	Sarana Meditama Metropolitan Tbk	2018	0.016078644	0.363808182	-0.347729539
288	SCCO	Supreme Cable Manufacturing &Commerce Tbk	2018	0.096527875	0.125676074	-0.029148199
289	SCMA	Surya Citra Media Tbk	2018	-0.036088387	0.069769282	-0.105857668
290	SDMU	Sidomulya Selaras Tbk	2018	-0.117401732	0.188326619	-0.305728352
291	SHID	Hotel Sahid Jaya International Tbk	2018	0.000381539	0.218395939	-0.2180144
292	SIDO	Industri Jamu dan Farmasi Sido Muncul Tbk	2018	-0.057798783	0.147190779	-0.204989562

293	SIMP	Salim Ivomas Pratama Tbk	2018	-0.077566535	0.179104197	-0.256670732
294	SMBR	Semen Baturaja Tbk	2018	0.002293411	0.226799269	-0.224505858
295	SMMT	Golden Eagle Energy Tbk	2018	0.043272113	0.022772156	0.020499957
296	SMRA	Summarecon Agung Tbk	2018	0.037823457	0.005265999	0.032557458
297	SMSM	Selamat Sempurna Tbk	2018	0.037203976	0.09215862	-0.054954644
298	SONA	Sona Topas Tourism Industry Tbk	2018	-0.017851302	0.046686949	-0.064538251
299	SPMA	Suparma Tbk	2018	-0.065291708	0.188149371	-0.253441078
300	SQBB	Taisho Pharmaceutical Indonesia Tbk	2018	-0.038653135	0.050446572	-0.089099708
301	SRAJ	Sejahteraya AnugrahaJaya Tbk	2018	-0.072513276	0.000923174	-0.07343645
302	SRSN	Indo Acidatama Tbk	2018	0.011256009	0.105208545	-0.093952536
303	SRTG	Saratoga Investama Sedaya Tbk	2018	-0.216146863	0.000918122	-0.217064986
304	SSIA	Surya Semesta Internusa Tbk	2018	0.170222714	0.042377457	0.127845257
305	STAR	Star Petrochem Tbk	2018	-0.049719893	0.13883547	-0.188555363
306	STTP	Siantar Top Tbk	2018	0.004295496	0.040637268	-0.036341772
307	TARA	Sitara Propertindo Tbk	2018	0.00502359	0.001661925	0.003361665
308	TCID	Mandom Indonesia Tbk	2018	-0.008602731	0.12676169	-0.135364421
309	TGKA	Tigaraksa Satria Tbk	2018	0.107631543	0.001750494	0.105881049
310	TIRA	Tira Austenite Tbk	2018	-0.001340812	0.008136123	-0.009476935
311	TLKM	Telekomunikasi Indonesia (Persero) Tbk	2018	-0.094173838	0.215093041	-0.309266879
312	TMPO	Tempo Intimedia Tbk	2018	-0.013678023	0.080115614	-0.093793637
313	TOPS	Totalindo Eka Persada Tbk	2018	0.00539048	0.029275012	-0.023884532
314	TOTL	Total Bangun Persada Tbk	2018	-0.661581262	0.015766177	-0.677347439
315	TOTO	Surya Toto Indonesia Tbk	2018	-1.914537443	0.077879298	-1.992416741
316	TOWR	Sarana Menara Nusantara Tbk	2018	-0.047279276	0.253922114	-0.30120139
317	TRIS	Trisula International Tbk	2018	-0.005542747	0.08890956	-0.094452308

318	TRST	Trias Sentosa Tbk	2018	6.01448E-05	0.22729099	-0.227230846
319	TSPC	Tempo Sean Pacific Tbk	2018	-0.000134275	0.091305603	-0.091439878
320	UNVR	Unilever Indonesia Tbk	2018	-0.000654036	0.167626055	-0.168280091
321	WAPO	Wahana Pronatural Tbk	2018	0.02087413	0.142184751	-0.121310622
322	WICO	Wicaksana Overseas International Tbk	2018	-1.58689208	0.039499734	-1.626391814
323	WOOD	Integra Indocabinet Tbk	2018	-0.00662091	0.150618494	-0.157239404
324	WSKT	Waskita Karya Beton Tbk	2018	0.002146076	0.021612552	-0.019466476
325	WTON	Wijaya Karya Beton Tbk	2018	0.077265683	0.000475543	0.07679014
326	ZINC	Kapuas Prima Coal Tbk	2018	0.009188935	0.126324869	-0.117135934
327	AALI	Astra Agro Lestari Tbk	2019	-0.014468834	-0.001862537	-0.012606297
328	ACES	Ace Hardware Indonesia Tbk	2019	-0.004969704	0.00012523	-0.005094934
329	AGII	Aneka Gas Industri Tbk	2019	-0.02648819	-0.004242537	-0.022245653
330	AKPI	Argha Karya Prima Industry Tbk	2019	-3.77052E-06	-0.003817758	0.003813988
331	AKRA	AKR Corporindo Tbk	2019	-1.145137021	-0.00141091	-1.14372611
332	ALKA	Alakasa Industrindo Tbk	2019	-0.348100639	0.014475794	-0.362576433
333	AMFG	Asahimas Flat Gas Tbk	2019	-0.010271408	-0.003770763	-0.006500644
334	ANTM	Aneka Tambang (Pesero) Tbk	2019	-0.044726495	-0.003639789	-0.041086706
335	APII	Arita Prima Indonesia Tbk	2019	-0.025127292	0.019876773	-0.045004065
336	APLI	Asiaplast Industries Tbk	2019	-0.017745169	0.016418762	-0.03416393
337	APLN	Agung Podomoro Land Tbk	2019	-0.012293118	-0.000542488	-0.01175063
338	ARNA	Arwana Citramulia Tbk	2019	-0.091543956	0.002872713	-0.094416669
339	ARTA	Arthavest Tbk	2019	-0.042695577	0.023692403	-0.066387979
340	ARTI	Ratu Prabu Energi Tbk	2019	-0.358373379	0.002643757	-0.361017135
341	ASII	Astra Internasional Tbk	2019	0.021600703	-0.001242653	0.022843357
342	ASRI	Alam Sutra Reality Tbk	2019	-0.040722336	4.41921E-05	-0.040766528

343	AUTO	Astra Otoparts Tbk	2019	-0.013754112	-0.000899275	-0.012854837
344	BAPA	Bekasi Asri Pemula Tbk	2019	0.029893795	0.0615071	-0.031613306
345	BATA	Sepatu Bata Tbk	2019	-0.028854917	0.009687318	-0.038542236
346	BAYU	Bayu Buana Tbk	2019	0.029559935	0.012558974	0.017000961
347	BCIP	Bumi Citra Permai Tbk	2019	0.02749989	0.011720251	0.015779639
348	BEST	Bekasi Fajar Industrial Estate Tbk	2019	0.064458027	0.00146552	0.062992507
349	BIPP	Bhuwanatala Indah Permai Tbk	2019	-0.060433793	0.004475378	-0.064909171
350	BIRD	Blue Bird Tbk	2019	-0.060873105	-0.00475618	-0.056116924
351	BISI	BISI International Tbk	2019	-0.01731217	0.00261119	-0.01992336
352	BKDP	Bukit Darmo Property Tbk	2019	-0.073500453	0.013349259	-0.086849712
353	BKSL	Sentul City Tbk	2019	-0.026672721	0.000532238	-0.027204959
354	BLTZ	Graha Layar Prima Tbk	2019	-0.098722474	0.000201214	-0.098923689
355	BMTR	Global Mediacom Tbk	2019	-0.057645218	-0.002897561	-0.054747656
356	BOLT	Garuda Metalindo Tbk	2019	-0.032265714	0.007788332	-0.040054045
357	BTON	Betonjaya Manunggal Tbk	2019	-0.108883036	-0.290652223	0.181769187
358	BUDI	Budi Starch & Sweetener Tbk	2019	-0.06104339	-0.000641668	-0.060401722
359	BUVA	Bukit Uluwatu Villa Tbk	2019	-0.048247365	0.002495363	-0.050742728
360	CASS	Cardig Aero Service Tbk	2019	-0.195120281	0.003195678	-0.198315959
361	CEKA	Wilma Cahaya Indonesia Tbk	2019	-0.20333425	0.007263225	-0.210597475
362	CINT	Chitose International Tbk	2019	0.011048547	0.017765868	-0.00671732
363	CKRA	Cakra Mineral Tbk	2019	0.003402258	0.069622226	-0.066219968
364	CLEO	Sariguna Primatirta Tbk	2019	-0.080808022	0.004664538	-0.08547256
365	CLPI	Colorpak Indonesia Tbk	2019	0.043094338	0.013178612	0.029915726
366	CMNP	Citra Marga Nusaphala Persada Tbk	2019	0.018335583	0.000596365	0.017739218
367	CPIN	Charoen Pokphand Indonesia Tbk	2019	0.008392115	-0.002953752	0.011345867
368	CSAP	Catur Sentosa Adiprana Tbk	2019	-0.02738424	-0.000137548	-0.027246692

369	CTRA	Ciputra Development Tbk	2019	0.008849918	-0.000332327	0.009182245
370	CTTH	Citatah Tbk	2019	-0.017908073	0.011888262	-0.029796335
371	DART	Duta Anggada Reality Tbk	2019	-0.003833564	0.000606396	-0.00443996
372	DAYA	Duta Intidaya Tbk	2019	-0.339909809	0.023462218	-0.363372027
373	DGIK	Nusa Kontruksi Enjiniring Tbk	2019	0.001651471	0.005415536	-0.003764065
374	DMAS	Putradelta Lestari Tbk	2019	-0.081763935	0.001125927	-0.082889862
375	DPNS	Duta Pertiwi Nusantara Tbk	2019	0.005639343	0.03153276	-0.025893416
376	DPUM	Dua Putra Utama Makmur Tbk	2019	-0.095246873	0.001652821	-0.096899694
377	DSFI	Dharma Samudera Fishing Industries Tbk	2019	-0.012667815	0.022202935	-0.03487075
378	DVLA	Darya-Varia Laboratoria Tbk	2019	-0.030161599	0.004499833	-0.034661433
379	DYAN	Dyandra Media International Tbk	2019	-0.033021458	0.008295509	-0.041316967
380	EKAD	Ekadharna International Tbk	2019	-0.044718278	0.012010856	-0.056729134
381	ELSA	Elnusa Tbk	2019	-0.038767425	-0.000242603	-0.038524822
382	ERAA	Erajaya Swasembada Tbk	2019	-0.165987837	0.000398533	-0.16638637
383	FAST	Fast Food Indonesia Tbk	2019	-0.083330719	0.002178103	-0.085508822
384	FMII	Fortune Mate Indonesia Tbk	2019	-0.012603474	0.010911591	-0.023515065
385	GDST	Gunawan Dianjaya Steel Tbk	2019	0.064485427	0.002185748	0.062299679
386	GEMA	Gema Grahasarana Tbk	2019	-0.106725364	0.008261778	-0.114987141
387	GJTL	Gajah Tunggal Tbk	2019	-0.050187206	-0.002735085	-0.04745212
388	GMTD	Gowa Makasar Tourism Development Tbk	2019	-0.060738408	0.008143074	-0.068881482
389	GPRA	Perdana Gapura Prima Tbk	2019	0.034052018	0.006445516	0.027606502
390	GWSA	Greenwood Sejahtera Tbk	2019	0.039307118	0.001170942	0.038136176
391	HERO	Hero Supermarket Tbk	2019	0.009727124	-0.001779411	0.011506535
392	IBST	Inti Bangun Sejahtera Tbk	2019	-0.077481616	-0.005146109	-0.072335507

393	ICBP	Indofood CBP Sukses Makmur Tbk	2019	-0.005930465	-0.001940665	-0.0039898
394	ICON	Island Concept Indonesia Tbk	2019	0.040697985	0.025682727	0.015015258
395	IGAR	Champion Pacific Indonesia Tbk	2019	-0.086926249	0.008516062	-0.095442311
396	INDX	Tanah Laut Tbk	2019	0.020624851	0.186595341	-0.16597049
397	INTP	Indocement Tunggul Perkasa Tbk	2019	-0.064611728	-0.003161603	-0.061450125
398	JECC	Jembo Cable Company Tbk	2019	-0.036773159	-0.014059586	-0.022713573
399	JIHD	Jakarta Internasional Hotels & Development Tbk	2019	-0.024156898	0.000482786	-0.024639684
400	JKON	Jaya Kontruksi Manggala Pratama Tbk	2019	-0.358755849	0.001192556	-0.359948404
401	JPFA	Japfa Comfeed Indonesia Tbk	2019	0.000187516	-0.002545619	0.002733135
402	JRPT	Jaya Real Property Tbk	2019	0.05693556	0.000877332	0.056058228
403	JSPT	Jakarta Setiabudi Internasional Tbk	2019	0.004561752	-0.000990518	0.005552271
404	JTPE	Jasuindo Tiga Perkasa Tbk	2019	0.030630102	0.006244953	0.024385149
405	KBLI	KMI Wire & Cable Tbk	2019	0.132520018	0.001225504	0.131294514
406	KDSI	Kedawung Setia Industrial Tbk	2019	-0.139385226	0.007169504	-0.14655473
407	KICI	Kedaung Indah Can Tbk	2019	-0.073462538	0.064673241	-0.138135779
408	KIJA	Kawasan Ndustri Jababeka Tbk	2019	-0.019512972	-0.000418707	-0.019094265
409	KINO	Kino Indonesia Tbk	2019	0.138697517	-0.001241747	0.139939264
410	KLBF	Kalbe Farma Indonesia Tbk	2019	0.012849745	-0.00234951	0.015199256
411	KOPI	Mitra Energi Persada Tbk	2019	-0.065919877	0.067102009	-0.133021886
412	KPIG	MNC Land Tbk	2019	0.019052642	-0.004862542	0.023915184
413	LMPI	Langgeng Makmur Industri Tbk	2019	0.0298995	0.010835776	0.019063724
414	LMSH	Lionmesh Prima Tbk	2019	-0.078965416	0.0614973	-0.140462716
415	LPCK	Lippo Cikarang Tbk	2019	0.068519066	0.001005623	0.067513443
416	LPPF	Matahari Departement Store Tbk	2019	-0.107682954	3.43722E-05	-0.107717326

417	LRNA	Eka Sari Lorena Transport Tbk	2019	-0.116028726	0.027529794	-0.14355852
418	LSIP	PP London Sumatra Indonesia Tbk	2019	-0.022681412	-0.003403961	-0.019277451
419	MAIN	Malindo Feedmill Tbk	2019	-0.03703158	-0.002197519	-0.034834061
420	MBTO	Martina Berto Tbk	2019	-0.088466736	0.015817709	-0.104284444
421	MERK	Merek Tbk	2019	0.228879385	0.007082842	0.221796543
422	MFMI	Multifiling Mitra Indonesia Tbk	2019	0.269713605	0.034682815	0.23503079
423	MICE	Multi Indocitra Tbk	2019	0.015626817	0.007706518	0.007920298
424	MIKA	Mitra Keluarga Karya Sehat Tbk	2019	-0.020203332	-0.001243536	-0.018959796
425	MIRA	Mitra Internasional Resources Tbk	2019	-0.091177328	0.027057063	-0.118234391
426	MITI	Mitra Investindo Tbk	2019	-0.500959894	0.068917618	-0.569877511
427	MLPL	Multipolar Tbk	2019	-0.062555672	-0.000460298	-0.062095373
428	MPPA	Matahari Putra Prima Tbk	2019	-0.208551443	0.000516469	-0.209067912
429	MRAT	Mustika Ratu Tbk	2019	0.013014091	0.019238694	-0.006224602
430	MTDL	Metrodata Electronics Tbk	2019	0.074302214	0.001943226	0.072358988
431	MTLA	Metropolitan Land Tbk	2019	0.008967526	0.001462962	0.007504565
432	MTSM	Metro Reality Tbk	2019	-0.12182015	0.289508216	-0.411328365
433	MYOR	Mayora Indah Tbk	2019	-0.071878192	-0.000952163	-0.070926029
434	NRCA	Nusa Raya Cipta Tbk	2019	0.075188363	0.00430115	0.070887213
435	OMRE	Indonesia Prima Property Tbk	2019	0.005581848	0.00192112	0.003660728
436	PBSA	Paramita Bangun Sarana Tbk	2019	0.024240738	0.014044485	0.010196253
437	PDES	Destinasi Tirta Nusantara Tbk	2019	-0.044354059	0.020807206	-0.065161265
438	PLIN	Plaza Indonesia Realty Tbk	2019	-0.003929882	0.00049291	-0.004422791
439	PNSE	Pudjiadi & Sons Tbk	2019	-0.05382041	0.017084001	-0.070904411
440	PSKT	Red Planet Indonesia Tbk	2019	-0.030587262	0.016104147	-0.046691409
441	PTPP	PP (Persero) Tbk	2019	0.017281542	-3.77389E-05	0.017319281
442	PTSP	Pioneerindo Gourmet International	2019	-0.126166995	0.029001644	-0.15516864

		Tbk				
443	PUDP	Pudjiadi Prestige Tbk	2019	3.001647463	0.019336276	2.982311187
444	PWON	Pakuwon Jati Tbk	2019	0.000775277	-0.000178215	0.000953493
445	RALS	Ramayana Lestari Sentosa Tbk	2019	-0.075859705	0.000458582	-0.076318287
446	RANC	Supra Boga Lestari Tbk	2019	-0.032422199	0.009379844	-0.041802043
447	RICY	Ricky Putra Globalindo Tbk	2019	0.116922126	0.005336914	0.111585212
448	RODA	Pikko Land Development Tbk	2019	-0.08733466	0.002577374	-0.089912033
449	ROTI	Nippon Indosari Corpindo Tbk	2019	-0.055366516	-0.001645741	-0.053720774
450	SAME	Sarana Meditama Metropolitan Tbk	2019	-0.119724072	-0.001726492	-0.11799758
451	SCCO	Supreme Cable Manufacturing &Commerce Tbk	2019	0.042089182	-0.000271353	0.042360535
452	SCMA	Surya Citra Media Tbk	2019	0.013031977	0.000268989	0.012762988
453	SDMU	Sidomulya Selaras Tbk	2019	-0.166075398	0.03601076	-0.202086158
454	SHID	Hotel Sahid Jaya International Tbk	2019	-0.011608158	0.001761543	-0.013369701
455	SIDO	Industri Jamu dan Farmasi Sido Muncul Tbk	2019	-0.008756218	-0.000222722	-0.008533497
456	SIMP	Salim Ivomas Pratama Tbk	2019	-0.009722151	-0.003819093	-0.005903058
457	SMBR	Semen Baturaja Tbk	2019	-0.011433249	-0.003527801	-0.007905448
458	SMMT	Golden Eagle Energy Tbk	2019	-0.052133691	0.011160269	-0.063293959
459	SMRA	Summarecon Agung Tbk	2019	0.004647218	0.00034897	0.004298248
460	SMSM	Selamat Sempurna Tbk	2019	-0.013990775	0.00176543	-0.015756204
461	SONA	Sona Topas Tourism Industry Tbk	2019	0.006745948	0.007461362	-0.000715413
462	SPMA	Suparma Tbk	2019	0.0079086	9.3734E-05	0.007814866
463	SQBB	Taisho Pharmaceutical Indonesia Tbk	2019	-0.046024552	0.018792822	-0.064817374
464	SRAJ	Sejahteraraya AnugrahaJaya Tbk	2019	-0.067769293	0.003767998	-0.071537291
465	SRSN	Indo Acidatama Tbk	2019	0.04645078	0.012634006	0.033816774

466	SRTG	Saratoga Investama Sedaya Tbk	2019	0.331576325	0.000893115	0.33068321
467	SSIA	Surya Semesta Internusa Tbk	2019	0.126280326	0.000254155	0.126026171
468	STAR	Star Petrochem Tbk	2019	-0.119540749	0.016613121	-0.136153871
469	STTP	Siantar Top Tbk	2019	-0.013856247	0.006746087	-0.020602334
470	TARA	Sitara Propertindo Tbk	2019	-0.008287167	0.009123327	-0.017410494
471	TCID	Mandom Indonesia Tbk	2019	0.00759885	0.001563868	0.006034982
472	TGKA	Tigaraksa Satria Tbk	2019	-0.184604435	0.002992714	-0.187597149
473	TIRA	Tira Austenite Tbk	2019	-0.003872158	0.053054765	-0.056926923
474	TLKM	Telekomunikasi Indonesia (Persero) Tbk	2019	0.107388116	-0.005267225	0.112655341
475	TMPO	Tempo Intimedia Tbk	2019	1.295830011	0.022804311	1.2730257
476	TOPS	Totalindo Eka Persada Tbk	2019	0.135419726	0.002181321	0.133238404
477	TOTL	Total Bangun Persada Tbk	2019	-0.013823814	-0.000376474	-0.01344734
478	TOTO	Surya Toto Indonesia Tbk	2019	-0.000443509	0.001843583	-0.002287092
479	TOWR	Sarana Menara Nusantara Tbk	2019	0.001939051	-0.005542576	0.007481626
480	TRIS	Trisula International Tbk	2019	-0.384428677	0.007709209	-0.392137886
481	TRST	Trias Sentosa Tbk	2019	0.000257777	-0.002064742	0.002322519
482	TSPC	Tempo Sean Pacific Tbk	2019	0.000111578	-0.000726663	0.00083824
483	UNVR	Unilever Indonesia Tbk	2019	0.042575465	-0.003164367	0.045739832
484	WAPO	Wahana Pronatural Tbk	2019	1.627487541	0.108339694	1.519147847
485	WICO	Wicaksana Overseas International Tbk	2019	-0.065898975	0.026947557	-0.092846532
486	WOOD	Integra Indocabinet Tbk	2019	-0.096785717	-0.001432831	-0.095352886
487	WSKT	Waskita Karya Beton Tbk	2019	-0.00687168	-0.000497346	-0.006374333
488	WTON	Wijaya Karya Beton Tbk	2019	-0.051416491	0.001049514	-0.052466005
489	ZINC	Kapuas Prima Coal Tbk	2019	0.068415142	0.005824181	0.062590961

Lampiran 3. Statistik Deskriptif

		Descriptive Statistics			
		GCG	FD	ML	KW
N	Valid	489	489	489	489
	Missing	0	0	0	0
Mean		.5707	5.1546	-.0435	.9100
Median		.5400	5.1911	-.0222	1.0000
Std. Deviation		.10779	2.04202	.47890	.28645
Minimum		.36	-8.43	-7.26	.00
Maximum		.81	10.00	3.51	1.00

Statistics

		KW
N	Valid	489
	Missing	0
Mean		.9100
Median		1.0000
Std. Deviation		.28645
Minimum		.00
Maximum		1.00

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	.00	47	8.8	8.8	8.8
	1.00	442	91.2	91.2	100.0
Total		489	100.0	100.0	

Lampiran 4. Uji Normalitas

Model Regresi I ke-1

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		489
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	2.01861365
Most Extreme Differences	Absolute	.046
	Positive	.029
	Negative	-.046
Test Statistic		.046
Asymp. Sig. (2-tailed)		.014 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.



Uji Normalitas Regresi I ke-2

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		479
Normal Parameters ^{a,b}	Mean	.0390740
	Std. Deviation	1.74542074
Most Extreme Differences	Absolute	.027
	Positive	.027
	Negative	-.023
Test Statistic		.027
Asymp. Sig. (2-tailed)		.200 ^{c,d}

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Uji Normalitas Regresi II ke-1

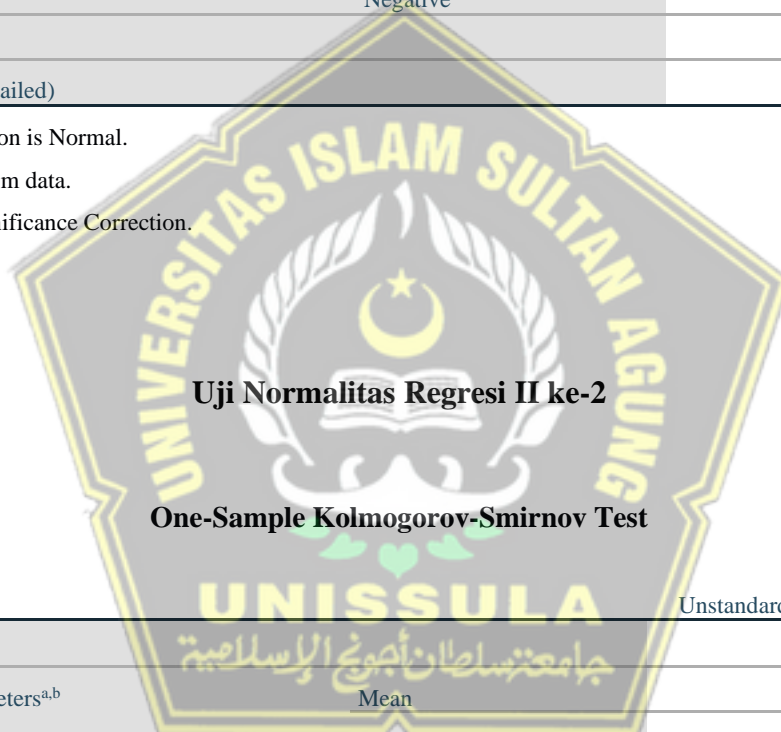
One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		489
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	.47871345
Most Extreme Differences	Absolute	.312
	Positive	.312
	Negative	-.262
Test Statistic		.312
Asymp. Sig. (2-tailed)		.000 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.



Uji Normalitas Regresi II ke-2

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		489
Normal Parameters ^{a,b}	Mean	.0000000
	Std. Deviation	.47324512
Most Extreme Differences	Absolute	.012
	Positive	.012
	Negative	-.011
Test Statistic		.012
Asymp. Sig. (2-tailed)		.200 ^{c,d}

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Lampiran 5. Uji Autokorelasi

Uji Autokorelasi Regresi I ke-1

Runs Test

	Unstandardized Residual
Test Value ^a	-.03992
Cases < Test Value	244
Cases >= Test Value	245
Total Cases	489
Number of Runs	122
Z	-11.181
Asymp. Sig. (2-tailed)	.000

a. Median

Uji Autokorelasi Regresi I ke-2

Runs Test

	Unstandardized Residual
Test Value ^a	-.08746
Cases < Test Value	244
Cases >= Test Value	245
Total Cases	489
Number of Runs	240
Z	-.453
Asymp. Sig. (2-tailed)	.650

a. Median

Uji Autokorelasi Regresi II ke-1

Runs Test

	Unstandardized Residual
Test Value ^a	.00115

Cases < Test Value	244
Cases >= Test Value	245
Total Cases	489
Number of Runs	193
Z	-4.713
Asymp. Sig. (2-tailed)	.000

b. Median

Uji Autokorelasi Regresi II ke-2

Runs Test

	Unstandardized Residual
Test Value ^a	-.00800
Cases < Test Value	179
Cases >= Test Value	180
Total Cases	369
Number of Runs	163
Z	-1.850
Asymp. Sig. (2-tailed)	.064

a. Median

Lampiran 6. Uji Heteroskedastisitas

Uji Heteroskedastisitas Regresi I

Coefficients^a

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients		
				Beta		
1	(Constant)	1.534	.326		4.707	.000
	GCG	-.038	.561	-.003	-.068	.946

a. Dependent Variable: RES2

Uji Heteroskedastisitas Regresi II

Coefficients^a

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients Beta		
1	(Constant)	.298	.075		3.965	.000
	GCG2	.141	.130	.049	1.084	.279

a. Dependent Variable: RES3

Lampiran 7. Outlier

Reduksi outlier model 1

Extreme Values				
		Case Number		Value
Unstandardized Residual	Highest	1	144	5.29772
		2	385	5.01295
		3	162	4.49615
		4	272	4.42817
		5	475	4.41233
	Lowest	1	300	-13.16039
		2	281	-12.22305
		3	42	-6.07231
		4	305	-5.67192
		5	306	-5.23612

Reduksi outlier model 2

Extreme Values				
		Case Number		Value
res setelah perubahan	Highest	1	257	1.38049
		2	442	1.25021
		3	483	1.16169
		4	474	1.15524
		5	51	1.09382
	Lowest	1	199	-1.39125
		2	314	-1.26097
		3	321	-1.19380
		4	167	-1.16600

	5	330	-1.14770
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Extreme Values

		Case Number		Value
res setelah perubahan	Highest	1	275	1.08100
		2	150	1.03923
		3	88	1.02820
		4	414	.99298
		5	457	.98464
	Lowest	1	157	-1.08571
		2	5	-1.07133
		3	309	-1.01719
		4	418	-.99437
		5	244	-.94622

Extreme Values

		Case Number		Value
res setelah perubahan	Highest	1	211	.93600
		2	406	.92891
		3	122	.90971
		4	49	.89428
		5	138	.87855
	Lowest	1	245	-.92717
		2	213	-.92681
		3	415	-.90952
		4	114	-.89306
		5	317	-.87300

Extreme Values

		Case Number		Value
res setelah perubahan	Highest	1	327	.87469
		2	233	.86599
		3	243	.86224
		4	379	.83895
		5	70	.82858

Lowest	1	342	-.86368
	2	440	-.86310
	3	237	-.84934
	4	310	-.83934
	5	211	-.82964

Extreme Values

		Case Number	Value
res setelah perubahan	Highest	1	.82801
		2	.82032
		3	.81748
		4	.78805
		5	.78557
	Lowest	1	-.82824
		2	-.81700
		3	-.81097
		4	-.80206
		5	-.80054

Extreme Values

		Case Number	Value
res setelah perubahan	Highest	1	.77887
		2	.77576
		3	.77211
		4	.76996
		5	.73954
	Lowest	1	-.79881
		2	-.76892
		3	-.76106
		4	-.74749
		5	-.74188

Extreme Values

		Case Number	Value
res setelah perubahan	Highest	1	.73410

	2	408	.72136
	3	71	.69363
	4	1	.69361
	5	83	.68585
Lowest	1	151	-.73880
	2	192	-.73212
	3	34	-.72470
	4	266	-.72289
	5	269	-.70629

Extreme Values

		Case Number	Value	
res setelah perubahan	Highest	1	.80	.67783
		2	87	.67506
		3	36	.67265
		4	257	.67089
		5	374	.67083
	Lowest	1	139	-.70341
		2	248	-.69833
		3	235	-.69661
		4	231	-.68859
		5	165	-.67378

Extreme Values

		Case Number	Value	
res setelah perubahan	Highest	1	108	.65957
		2	46	.65742
		3	352	.64055
		4	3	.63579
		5	111	.63197
	Lowest	1	156	-.67068
		2	190	-.66449
		3	350	-.65540
		4	143	-.64526
		5	140	-.64077

Extreme Values

			Case Number	Value
res setelah perubahan	Highest	1	250	.63000
		2	69	.62973
		3	344	.62443
		4	123	.61681
		5	332	.60895
	Lowest	1	200	-.64075
		2	134	-.60862
		3	225	-.60767
		4	245	-.59737
		5	236	-.59669

Extreme Values

			Case Number	Value
res setelah perubahan	Highest	1	49	.59677
		2	209	.59180
		3	122	.58593
		4	16	.58118
		5	105	.57229
	Lowest	1	239	-.59737
		2	222	-.59421
		3	351	-.59230
		4	275	-.59132
		5	223	-.58588

Extreme Values

			Case Number	Value
res setelah perubahan	Highest	1	82	.57155
		2	60	.56487
		3	26	.55475
		4	108	.54930
		5	5	.54790

Lowest	1	266	-0.59132
	2	126	-0.58231
	3	194	-0.58079
	4	147	-0.57047
	5	207	-0.55563

Lampiran 8. Persamaan Regresi

Regresi Linier Sederhana Model 1

Coefficients^a

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients Beta		
1	(Constant)	6.554	.479		13.681	.000
	GCG	-2.232	.825	-.122	-2.706	.007

a. Dependent Variable: TRANSFORM_FD

Regresi Linier Sederhana Model 2

Coefficients^a

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients Beta		
1	(Constant)	2.018	.001		2080.540	.000
	GCG	-.455	.001	-.998	-354.247	.000

a. Dependent Variable: TRANSFORM_ML

Regresi Logistik Model 3

Variables in the Equation

	B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
							Lower	Upper
Step 1 ^a GCG	.344	1.489	.053	1	.817	1.411	.076	26.147

TRANFORM_	-2.003	.918	4.761	1	.029	.135	.022	.816
FD								
TRANFORM_	.181	1.075	.028	1	.866	1.198	.146	9.851
ML								
Constant	3.126	2.282	1.876	1	.171	22.779		

a. Variable(s) entered on step 1: GCG, TRANFORM_FD, TRANFORM_ML.

Lampiran 9. Uji Keseluruhan Model (*Overall Model Fit*)

Hasil Uji Keseluruhan Model (*Overall Model Fit*) (*block Number = 0*)

Iteration History^{a,b,c}

Iteration	Coefficients	
	-2 Log likelihood	Constant
Step 0		
1	317.706	1.640
2	296.665	2.173
3	295.838	2.306
4	295.836	2.314
5	295.836	2.314

a. Constant is included in the model.

b. Initial -2 Log Likelihood: 295.836

c. Estimation terminated at iteration number 5 because parameter estimates changed by less than .001.

Hasil Uji Keseluruhan Model (*Overall Model Fit*) (*block Number = 1*)

Iteration History^{a,b,c,d}

Iteration		-2 Log likelihood	Constant	Coefficients		
				GCG	TRANFORM_FD	TRANFORM_ML
Step 1	1	315.760	1.750	.030	-.369	.056
	2	292.135	2.519	.135	-1.021	.125
	3	290.000	2.988	.295	-1.766	.171
	4	289.919	3.120	.343	-1.993	.181
	5	289.919	3.126	.344	-2.003	.181
	6	289.919	3.126	.344	-2.003	.181

a. Method: Enter

- b. Constant is included in the model.
- c. Initial -2 Log Likelihood: 295.836
- d. Estimation terminated at iteration number 6 because parameter estimates changed by less than .001.

Lampiran 10. Uji Determinasi (Adjusted R²)

Hasil Uji Determinasi Model 1

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.609 ^a	.378	.386	.3976032

a. Predictors: (Constant), GCG

Hasil Uji Determinasi Model 2

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.998 ^a	.996	.996	.00201

a. Predictors: (Constant), TRANSFORM_GCG

b. Dependent Variable: TRANSFORM_ML

Hasil Uji Koefisien Determinasi Model 3

Model Summary

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke R Square
1	95.731 ^a	.070	.209

a. Estimation terminated at iteration number 6 because parameter estimates changed by less than .001.

Lampiran 11. Uji Signifikansi Simultan (Uji F)

Hasil Uji F Model 1

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	28.236	1	28.236	7.323	.007 ^b
	Residual	1873.859	488	3.856		
	Total	1902.095	489			

a. Dependent Variable: TRANSFORM_FD

b. Predictors: (Constant), GCG

Hasil Uji F Model 2

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.507	1	.507	125490.782	.000 ^b
	Residual	.002	358	.000		
	Total	.509	359			

a. Dependent Variable: TRANSFORM_ML

b. Predictors: (Constant), GCG

Hasil Uji F Model 3

Hosmer and Lemeshow Test

Step	Chi-square	df	Sig.
1	4.836	8	.775

Lampiran 12. Uji Signifikansi Parameter Individual (Uji t)

Hasil Uji t Model 1

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
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		B	Std. Error	Beta		
1	(Constant)	6.554	.479		13.681	.000
	GCG	-2.232	.825	-.122	-2.706	.007

a. Dependent Variable: TRANSFORM_FD

Hasil Uji t Model 2

Coefficients^a

Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients		
1	(Constant)	2.018	.001		2080.540	.000
	GCG	-.455	.001	-.998	-354.247	.000

a. Dependent Variable: TRANSFORM_ML

Hasil Uji t Model 3

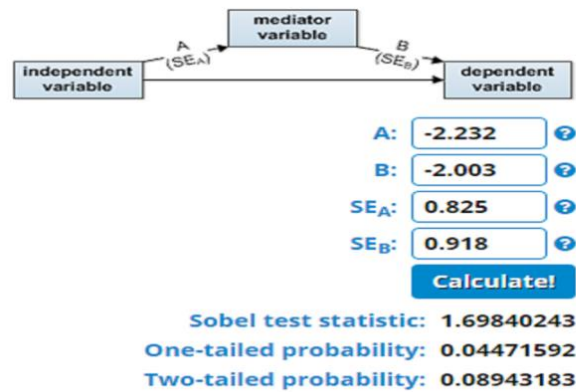
Variables in the Equation

Step 1 ^a		B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for	
								Lower	Upper
	GCG	.344	1.489	.053	1	.817	1.411	.076	26.147
	TRANSFORM_FD	-2.003	.918	4.761	1	.029	.135	.022	.816
	TRANSFORM_ML	.181	1.075	.028	1	.866	1.198	.146	9.851
	Constant	3.126	2.282	1.876	1	.171	22.779		

a. Variable(s) entered on step 1: GCG, TRANSFORM_FD, TRANSFORM_ML.

Lampiran 13. Output Sobel Test For the Significance of Mediation Calculator

Hasil Uji Sobel ke-1 (GCG terhadap KW melalui FD)



Hasil Uji Sobel ke-2 (GCG terhadap KW melalui ML)

