

# LAMPIRAN

### Lampiran 1 Daftar Sampel Perusahaan

No.	Kode Saham	Nama Perusahaan
1	ABMM	ABM Investama Tbk
2	ACES	Ace Hardware Indonesia Tbk
3	AIMS	Akbar Indo Makmur Stimec Tbk
4	AKRA	AKR Corporindo Tbk
5	APII	Arita Prima Indonesia Tbk
6	ASGR	Astra Graphia Tbk
7	ATIC	Anabatic Technologies Tbk
8	BAYU	Bayu Buana Tbk
9	BHIT	MNC Investama Tbk
10	BLTZ	Graha Layar Prima Tbk
11	BMSR	Bintang Mitra Semestaraya Tbk
12	BMTR	Global Mediacom Tbk
13	BNBR	Bakrie & Brothers Tbk
14	BOGA	Bintang Oto Global Tbk
15	BRMS	Bumi Resources Minerals Tbk
16	BUVA	Bukit Uluwatu Villa Tbk
17	CLPI	Colorpak Indonesia Tbk
18	CNKO	Exploitasi Energi Indonesia Tbk
19	CSAP	Catur Sentosa Adiprana Tbk
20	DAYA	Duta Intidaya Tbk
21	DNET	Indoritel Makmur Internasional Tbk
22	DYAN	Dyandra Media International Tbk
23	ECII	Electronic City Indonesia Tbk
24	EMTK	Elang Mahkota Teknologi Tbk
25	EPMT	Enseval Putera Megatrading Tbk
26	ERAA	Erajaya Swasembada Tbk
27	FAST	Fast Food Indonesia Tbk
28	FISH	FKS Multi Agro Tbk
29	FORU	Fortune Indonesia Tbk
30	GEMA	Gema Grahasarana Tbk
31	HERO	Hero Supermarket Tbk
32	ICON	Island Concepts Indonesia Tbk
33	INPP	Indonesian Paradise Property Tbk
34	INTA	Intraco Penta Tbk
35	INTD	Inter Delta Tbk
36	JGLE	Graha Andrasentra Propertindo Tbk
37	JIHD	Jakarta International Hotels & Development Tbk
38	JSPT	Jakarta Setiabudi Internasional Tbk
39	JTPE	Jasuindo Tiga Perkasa Tbk
40	KBLV	First Media Tbk
41	KOBX	Kobexindo Tractors Tbk
42	KOIN	Kokoh Inti Arebama Tbk
43	KPIG	MNC Land Tbk
44	LINK	Link Net Tbk

45	LPPF	Matahari Department Store Tbk
46	LTLS	Lautan Luas Tbk
47	MAMI	Mas Murni Indonesia Tbk
48	MAPI	Mitra Adiperkasa Tbk
49	MARI	Mahaka Radio Integra Tbk
50	MFMI	Multifiling Mitra Indonesia Tbk
51	MICE	Multi Indocitra Tbk
52	MIDI	Midi Utama Indonesia Tbk
53	MIKA	Mitra Keluarga Karyasehat Tbk
54	MKNT	Mitra Komunikasi Nusantara Tbk
55	MLPL	Multipolar Tbk
56	MLPT	Multipolar Technology Tbk
57	MNCN	Media Nusantara Citra Tbk
58	MPMX	Mitra Pinasthika Mustika Tbk
59	MPPA	Matahari Putra Prima Tbk
60	MSKY	MNC Sky Vision Tbk
61	MTDL	Metrodata Electronics Tbk
62	OKAS	Ancora Indonesia Resources Tbk
63	PANR	Panorama Sentrawisata Tbk
64	PGLI	Pembangunan Graha Lestari Indah Tbk
65	PJAA	Pembangunan Jaya Ancol Tbk
66	PLAS	Polaris Investama Tbk
67	PNSE	Pudjiadi & Sons Tbk
68	PRDA	Prodia Widyahusada Tbk
69	PSKT	Red Planet Indonesia Tbk
70	PTSP	Pioneerindo Gourmet International Tbk
71	PUDP	Pudjiadi Prestige Tbk
72	RALS	Ramayana Lestari Sentosa Tbk
73	RANC	Supra Boga Lestari Tbk
74	SAME	Sarana Meditama Metropolitan Tbk
75	SCMA	Surya Citra Media Tbk
76	SDPC	Millennium Pharmacon International Tbk
77	SHID	Hotel Sahid Jaya International Tbk
78	SILO	Siloam International Hospitals Tbk
79	SIMA	Siwani Makmur Tbk
80	SONA	Sona Topas Tourism Industry Tbk
81	SRAJ	Sejahteraraya Anugrahjaya Tbk
82	TELE	Tiphone Mobile Indonesia Tbk
83	TRIL	Triwira Insanlestari Tbk
84	TURI	Tunas Ridean Tbk
85	UNTR	United Tractors Tbk
86	WICO	Wicaksana Overseas International Tbk

**Lampiran 2 Data Ketepatan Waktu Tahun 2016-2018**

No.	Kode Saham	Nama Perusahaan	2016	2017	2018
1	ABMM	ABM Investama Tbk	0	1	1
2	ACES	Ace Hardware Indonesia Tbk	0	0	1
3	AIMS	Akbar Indo Makmur Stimec Tbk	1	1	1
4	AKRA	AKR Corporindo Tbk	0	1	1
5	APII	Arita Prima Indonesia Tbk	0	1	1
6	ASGR	Astra Graphia Tbk	0	1	1
7	ATIC	Anabatic Technologies Tbk	1	1	1
8	BAYU	Bayu Buana Tbk	0	0	0
9	BHIT	MNC Investama Tbk	0	1	1
10	BLTZ	Graha Layar Prima Tbk	0	0	1
11	BMSR	Bintang Mitra Semestara Tbk	1	1	1
12	BMTR	Global Mediacom Tbk	0	1	1
13	BNBR	Bakrie & Brothers Tbk	1	1	1
14	BOGA	Bintang Oto Global Tbk	0	1	1
15	BRMS	Bumi Resources Minerals Tbk	0	1	1
16	BUVA	Bukit Uluwatu Villa Tbk	0	0	1
17	CLPI	Colorpak Indonesia Tbk	0	1	1
18	CNKO	Exploitasi Energi Indonesia Tbk	0	0	1
19	CSAP	Catur Sentosa Adiprana Tbk	0	1	1
20	DAYA	Duta Intidaya Tbk	0	1	1
21	DNET	Indoritel Makmur Internasional Tbk	0	0	1
22	DYAN	Dyandra Media International Tbk	0	1	1
23	ECII	Electronic City Indonesia Tbk	0	0	1
24	EMTK	Elang Mahkota Teknologi Tbk	0	0	0
25	EPMT	Enseval Putera Megatrading Tbk	0	1	1
26	ERAA	Erajaya Swasembada Tbk	0	1	1
27	FAST	Fast Food Indonesia Tbk	0	1	1
28	FISH	FKS Multi Agro Tbk	0	1	1
29	FORU	Fortune Indonesia Tbk	0	1	1
30	GEMA	Gema Grahasarana Tbk	0	1	1
31	HERO	Hero Supermarket Tbk	0	1	1
32	ICON	Island Concepts Indonesia Tbk	0	0	0
33	INPP	Indonesian Paradise Property Tbk	0	1	1
34	INTA	Intraco Penta Tbk	0	0	0
35	INTD	Inter Delta Tbk	0	1	1
36	JGLE	Graha Andrasentra Propertindo Tbk	0	0	0
37	JIHD	Jakarta International Hotels &	0	0	1

		Development Tbk			
38	JSPT	Jakarta Setiabudi Internasional Tbk	0	1	0
39	JTPE	Jasuindo Tiga Perkasa Tbk	0	1	1
40	KBLV	First Media Tbk	0	1	1
41	KOBX	Kobexindo Tractors Tbk	0	1	1
42	KOIN	Kokoh Inti Arebama Tbk	0	1	1
43	KPIG	MNC Land Tbk	1	1	1
44	LINK	Link Net Tbk	0	1	1
45	LPPF	Matahari Department Store Tbk	0	1	1
46	LTLS	Lautan Luas Tbk	0	1	1
47	MAMI	Mas Murni Indonesia Tbk	0	0	0
48	MAPI	Mitra Adiperkasa Tbk	0	0	0
49	MARI	Mahaka Radio Integra Tbk	1	1	1
50	MFMI	Multifiling Mitra Indonesia Tbk	0	1	1
51	MICE	Multi Indocitra Tbk	0	0	1
52	MIDI	Midi Utama Indonesia Tbk	1	1	1
53	MIKA	Mitra Keluarga Karyasehat Tbk	0	1	1
54	MKNT	Mitra Komunikasi Nusantara Tbk	0	1	0
55	MLPL	Multipolar Tbk	0	0	1
56	MLPT	Multipolar Technology Tbk	0	1	1
57	MNCN	Media Nusantara Citra Tbk	0	1	1
58	MPMX	Mitra Pinasthika Mustika Tbk	1	1	1
59	MPPA	Matahari Putra Prima Tbk	0	0	1
60	MSKY	MNC Sky Vision Tbk	0	1	1
61	MTDL	Metrodata Electronics Tbk	0	1	1
62	OKAS	Ancora Indonesia Resources Tbk	0	0	0
63	PANR	Panorama Sentrawisata Tbk	0	1	0
64	PGLI	Pembangunan Graha Lestari Indah Tbk	0	1	1
65	PJAA	Pembangunan Jaya Ancol Tbk	0	1	1
66	PLAS	Polaris Investama Tbk	0	1	1
67	PNSE	Pudjiadi & Sons Tbk	0	1	1
68	PRDA	Prodia Widyahusada Tbk	0	1	1
69	PSKT	Red Planet Indonesia Tbk	0	1	1
70	PTSP	Pioneerindo Gourmet International Tbk	0	0	1
71	PUDP	Pudjiadi Prestige Tbk	0	1	1
72	RALS	Ramayana Lestari Sentosa Tbk	0	1	1
73	RANC	Supra Boga Lestari Tbk	0	1	1
74	SAME	Sarana Meditama Metropolitan Tbk	0	1	1

75	SCMA	Surya Citra Media Tbk	0	0	1
76	SDPC	Millennium Pharmacon International Tbk	0	1	1
77	SHID	Hotel Sahid Jaya International Tbk	0	1	1
78	SILO	Siloam International Hospitals Tbk	0	1	1
79	SIMA	Siwani Makmur Tbk	1	1	1
80	SONA	Sona Topas Tourism Industry Tbk	0	1	1
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	0	0	1
82	TELE	Tiphone Mobile Indonesia Tbk	0	1	0
83	TRIL	Triwira Insanlestari Tbk	0	0	1
84	TURI	Tunas Ridean Tbk	0	1	1
85	UNTR	United Tractors Tbk	0	1	1
86	WICO	Wicaksana Overseas International Tbk	0	1	1

Keterangan:

0: Terlambat

1: Tepat Waktu



### Lampiran 3 Data Profitabilitas (ROA)

No.	Kode Saham	Nama Perusahaan	2016	2017	2018
1	ABMM	ABM Investama Tbk	0,01	0,00	0,08
2	ACES	Ace Hardware Indonesia Tbk	0,19	0,18	0,18
3	AIMS	Akbar Indo Makmur Stimec Tbk	-0,20	-0,11	-0,04
4	AKRA	AKR Corporindo Tbk	0,07	0,06	0,03
5	APII	Arita Prima Indonesia Tbk	0,04	0,03	0,07
6	ASGR	Astra Graphia Tbk	0,15	0,11	0,12
7	ATIC	Anabatic Technologies Tbk	0,03	0,02	0,02
8	BAYU	Bayu Buana Tbk	0,04	0,04	0,05
9	BHIT	MNC Investama Tbk	0,02	0,03	0,02
10	BLTZ	Graha Layar Prima Tbk	-0,01	0,01	0,02
11	BMSR	Bintang Mitra Semestaraya Tbk	-0,04	-0,01	0,01
12	BMTR	Global Mediacom Tbk	-0,03	0,04	0,05
13	BNBR	Bakrie & Brothers Tbk	-0,07	-0,18	-0,09
14	BOGA	Bintang Oto Global Tbk	0,02	0,02	0,02
15	BRMS	Bumi Resources Minerals Tbk	-0,43	-0,29	-0,15
16	BUVA	Bukit Uluwatu Villa Tbk	0,00	-0,01	0,00
17	CLPI	Colorpak Indonesia Tbk	0,11	0,07	0,04
18	CNKO	Exploitasi Energi Indonesia Tbk	-0,13	-0,53	-0,46
19	CSAP	Catur Sentosa Adiprana Tbk	0,02	0,02	0,02
20	DAYA	Duta Intidaya Tbk	-0,12	-0,01	0,01
21	DNET	Indoritel Makmur Internasional Tbk	0,05	0,02	0,02
22	DYAN	Dyandra Media International Tbk	-0,04	0,01	0,07
23	ECII	Electronic City Indonesia Tbk	-0,02	-0,01	0,01
24	EMTK	Elang Mahkota Teknologi Tbk	0,04	0,02	-0,12
25	EPMT	Enseval Putera Megatrading Tbk	0,08	0,07	0,08
26	ERAA	Erajaya Swasembada Tbk	0,04	0,04	0,07
27	FAST	Fast Food Indonesia Tbk	0,07	0,06	0,07
28	FISH	FKS Multi Agro Tbk	0,08	0,05	0,03
29	FORU	Fortune Indonesia Tbk	-0,02	-0,32	-0,06
30	GEMA	Gema Grahasarana Tbk	0,05	0,03	0,02
31	HERO	Hero Supermarket Tbk	0,02	-0,03	-0,20
32	ICON	Island Concepts Indonesia Tbk	0,01	0,04	0,08
33	INPP	Indonesian Paradise Property Tbk	0,04	0,02	0,02
34	INTA	Intraco Penta Tbk	-0,05	-0,05	-0,08
35	INTD	Inter Delta Tbk	0,03	0,03	0,03
36	JGLE	Graha Andrasentra Propertindo Tbk	-0,01	0,00	0,00



37	JIHD	Jakarta International Hotels & Development Tbk	0,05	0,03	0,02
38	JSPT	Jakarta Setiabudi Internasional Tbk	0,04	0,04	0,09
39	JTPE	Jasuindo Tiga Perkasa Tbk	0,08	0,18	0,43
40	KBLV	First Media Tbk	-0,12	-0,12	-0,60
41	KOBX	Kobexindo Tractors Tbk	-0,07	0,02	0,03
42	KOIN	Kokoh Inti Arebama Tbk	0,00	-0,02	-0,01
43	KPIG	MNC Land Tbk	0,13	0,09	0,04
44	LINK	Link Net Tbk	0,16	0,17	0,13
45	LPPF	Matahari Department Store Tbk	0,42	0,35	0,22
46	LTLS	Lautan Luas Tbk	0,02	0,03	0,04
47	MAMI	Mas Murni Indonesia Tbk	0,02	0,02	0,01
48	MAPI	Mitra Adiperkasa Tbk	0,02	0,03	0,06
49	MARI	Mahaka Radio Integra Tbk	0,20	0,10	0,10
50	MFMI	Multifiling Mitra Indonesia Tbk	0,10	0,09	0,10
51	MICE	Multi Indocitra Tbk	0,03	0,08	0,04
52	MIDI	Midi Utama Indonesia Tbk	0,05	0,02	0,03
53	MIKA	Mitra Keluarga Karyasehat Tbk	0,17	0,15	0,13
54	MKNT	Mitra Komunikasi Nusantara Tbk	0,01	0,04	0,00
55	MLPL	Multipolar Tbk	-0,01	-0,09	-0,09
56	MLPT	Multipolar Technology Tbk	0,07	0,05	0,04
57	MNCN	Media Nusantara Citra Tbk	0,10	0,10	0,10
58	MPMX	Mitra Pinasthika Mustika Tbk	0,03	0,04	0,31
59	MPPA	Matahari Putra Prima Tbk	0,01	-0,23	-0,19
60	MSKY	MNC Sky Vision Tbk	-0,04	-0,06	-0,05
61	MTDL	Metrodata Electronics Tbk	0,08	0,09	0,09
62	OKAS	Ancora Indonesia Resources Tbk	-0,05	0,05	-0,04
63	PANR	Panorama Sentrawisata Tbk	0,00	0,01	-0,01
64	PGLI	Pembangunan Graha Lestari Indah Tbk	-0,01	0,02	0,05
65	PJAA	Pembangunan Jaya Ancol Tbk	0,04	0,06	0,05
66	PLAS	Polaris Investama Tbk	-0,05	-0,04	0,00
67	PNSE	Pudjiadi & Sons Tbk	0,00	0,05	-0,02
68	PRDA	Prodia Widyahusada Tbk	0,05	0,08	0,09
69	PSKT	Red Planet Indonesia Tbk	-0,08	-0,08	-0,04
70	PTSP	Pioneerindo Gourmet International Tbk	0,02	0,03	0,06
71	PUDP	Pudjiadi Prestige Tbk	0,04	0,01	0,01
72	RALS	Ramayana Lestari Sentosa Tbk	0,09	0,08	0,11
73	RANC	Supra Boga Lestari Tbk	0,05	0,05	0,06
74	SAME	Sarana Meditama Metropolitan	0,01	0,03	0,03



		Tbk			
75	SCMA	Surya Citra Media Tbk	0,31	0,24	0,24
76	SDPC	Millennium Pharmacon International Tbk	0,02	0,02	0,02
77	SHID	Hotel Sahid Jaya International Tbk	0,00	0,00	0,00
78	SILO	Siloam International Hospitals Tbk	0,02	0,01	0,03
79	SIMA	Siwani Makmur Tbk	-0,02	0,00	-0,19
80	SONA	Sona Topas Tourism Industry Tbk	-0,01	0,05	0,10
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	-0,04	-0,05	-0,03
82	TELE	Tiphone Mobile Indonesia Tbk	0,06	0,05	0,05
83	TRIL	Triwira Insanlestari Tbk	-0,05	-0,07	-0,02
84	TURI	Tunas Ridean Tbk	0,11	0,09	0,09
85	UNTR	United Tractors Tbk	0,08	0,09	0,10
86	WICO	Wicaksana Overseas International Tbk	0,01	0,41	-0,05



#### Lampiran 4 Data Kurs Tengah

Tahun	Jual	Beli	Kurs Tengah
2016	Rp13,503.00	Rp13,369.00	Rp13,436.00
2017	Rp13,616.00	Rp13,480.00	Rp13,548.00
2018	Rp14,553.00	Rp14,409.00	Rp14,481.00

Sumber: Bank Indonesia (2019)



**Lampiran 5 Data Variabel Ukuran Perusahaan yang Menggunakan Mata**

**Uang Asing**

2016					
No.	Kode Saham	Nama Emiten	Kurs Tengah	Total Aset	
				\$	Rp
1	ABMM	ABM Investama Tbk	13,436.00	1,073,182,119	14,419,274,950,884
2	BRMS	Bumi Resources Minerals Tbk	13,436.00	1,075,595,267	14,451,698,007,412
3	FISH	FKS Multi Agro Tbk	13,436.00	258,981,225	3,479,671,739,100
4	KOBX	Kobexindo Tractors Tbk	13,436.00	85,848,621	1,153,462,071,756
5	OKAS	Ancora Indonesia Resources Tbk	13,436.00	167,847,509	2,255,199,130,924

2017					
No.	Kode Saham	Nama Emiten	Kurs Tengah	Total Aset	
				\$	Rp
1	ABMM	ABM Investama Tbk	13,548.00	1,042,673,806	14,126,144,723,688
2	BRMS	Bumi Resources Minerals Tbk	13,548.00	866,620,848	11,740,979,248,704
3	FISH	FKS Multi Agro Tbk	13,548.00	338,381,006	4,584,385,869,288
4	KOBX	Kobexindo Tractors Tbk	13,548.00	89,107,941	1,207,234,384,668
5	OKAS	Ancora Indonesia Resources Tbk	13,548.00	187,707,521	2,543,061,494,508

2018					
No.	Kode Saham	Nama Emiten	Kurs Tengah	Total Aset	
				\$	Rp
1	ABMM	ABM Investama Tbk	14,481.00	851,949,796	12,337,084,995,876
2	BRMS	Bumi Resources Minerals Tbk	14,481.00	690,758,183	10,002,869,248,023
3	FISH	FKS Multi Agro Tbk	14,481.00	431,539,811	6,249,128,003,091
4	KOBX	Kobexindo Tractors Tbk	14,481.00	111,921,689	1,620,737,978,409
5	OKAS	Ancora Indonesia Resources Tbk	14,481.00	187,917,594	2,721,234,678,714

**Lampiran 6 Data Ukuran Perusahaan Tahun 2016**

No.	Kode Saham	Nama Perusahaan	Total Aset	Ln (Total Aset)
1	ABMM	ABM Investama Tbk	Rp 14.419.274.950.884	30,30
2	ACES	Ace Hardware Indonesia Tbk	Rp 3.731.101.667.891	28,95
3	AIMS	Akbar Indo Makmur Stimec Tbk	Rp 17.009.196.124	23,56
4	AKRA	AKR Corporindo Tbk	Rp 15.830.740.710.000	30,39
5	APII	Arita Prima Indonesia Tbk	Rp 407.985.799.015	26,73
6	ASGR	Astra Graphia Tbk	Rp 1.723.468.000.000	28,18
7	ATIC	Anabatic Technologies Tbk	Rp 2.660.040.152.796	28,61
8	BAYU	Bayu Buana Tbk	Rp 654.082.047.254	27,21
9	BHIT	MNC Investama Tbk	Rp 55.292.949.000.000	31,64
10	BLTZ	Graha Layar Prima Tbk	Rp 1.299.840.053.038	27,89
11	BMSR	Bintang Mitra Semestaraya Tbk	Rp 498.511.916.189	26,93
12	BMTR	Global Mediacom Tbk	Rp 24.624.431.000.000	30,83
13	BNBR	Bakrie & Brothers Tbk	Rp 6.558.438.000.000	29,51
14	BOGA	Bintang Oto Global Tbk	Rp 431.920.625.186	26,79
15	BRMS	Bumi Resources Minerals Tbk	Rp 14.451.698.007.412	30,30
16	BUVA	Bukit Uluwatu Villa Tbk	Rp 2.972.885.482.438	28,72
17	CLPI	Colorpak Indonesia Tbk	Rp 567.560.171.430	27,06
18	CNKO	Exploitasi Energi Indonesia Tbk	Rp 5.178.439.222.000	29,28
19	CSAP	Catur Sentosa Adiprana Tbk	Rp 3.522.572.851.000	28,89
20	DAYA	Duta Intidaya Tbk	Rp 199.332.019.000	26,02
21	DNET	Indoritel Makmur Internasional Tbk	Rp 8.335.065.215.434	29,75

22	DYAN	Dyandra Media International Tbk	Rp 1.538.089.834.829	28,06
23	ECII	Electronic City Indonesia Tbk	Rp 1.881.645.933.066	28,26
24	EMTK	Elang Mahkota Teknologi Tbk	Rp 20.376.367.838.000	30,65
25	EPMT	Enseval Putera Megatrading Tbk	Rp 7.087.269.812.003	29,59
26	ERAA	Erajaya Swasembada Tbk	Rp 7.424.604.403.847	29,64
27	FAST	Fast Food Indonesia Tbk	Rp 2.577.819.573.000	28,58
28	FISH	FKS Multi Agro Tbk	Rp 3.479.671.739.100	28,88
29	FORU	Fortune Indonesia Tbk	Rp 257.832.299.900	26,28
30	GEMA	Gema Grahasarana Tbk	Rp 681.245.836.220	27,25
31	HERO	Hero Supermarket Tbk	Rp 7.487.033.000.000	29,64
32	ICON	Island Concepts Indonesia Tbk	Rp 468.521.879.542	26,87
33	INPP	Indonesian Paradise Property Tbk	Rp 5.155.753.396.983	29,27
34	INTA	Intraco Penta Tbk	Rp 5.191.586.000.000	29,28
35	INTD	Inter Delta Tbk	Rp 46.760.927.085	24,57
36	JGLE	Graha Andrasentra Propertindo Tbk	Rp 4.000.486.142.377	29,02
37	JIHD	Jakarta International Hotels & Development Tbk	Rp 6.604.718.559.000	29,52
38	JSPT	Jakarta Setiabudi Internasional Tbk	Rp 3.890.237.906.000	28,99
39	JTPE	Jasuindo Tiga Perkasa Tbk	Rp 1.052.131.760.706	27,68
40	KBLV	First Media Tbk	Rp 12.779.523.000.000	30,18
41	KOBX	Kobexindo Tractors Tbk	Rp 1.153.462.071.756	27,77
42	KOIN	Kokoh Inti Arebama Tbk	Rp 706.069.212.062	27,28
43	KPIG	MNC Land Tbk	Rp 14.157.428.109.357	30,28
44	LINK	Link Net Tbk	Rp 5.055.036.000.000	29,25
45	LPPF	Matahari Department Store Tbk	Rp 4.858.878.000.000	29,21
46	LTLS	Lautan Luas Tbk	Rp 5.658.360.000.000	29,36
47	MAMI	Mas Murni Indonesia Tbk	Rp 829.216.584.975	27,44
48	MAPI	Mitra Adiperkasa	Rp 10.683.437.788.000	30,00

		Tbk		
49	MARI	Mahaka Radio Integra Tbk	Rp 210.859.583.120	26,07
50	MFMI	Multifiling Mitra Indonesia Tbk	Rp 215.487.521.382	26,10
51	MICE	Multi Indocitra Tbk	Rp 848.612.119.839	27,47
52	MIDI	Midi Utama Indonesia Tbk	Rp 4.261.283.000.000	29,08
53	MIKA	Mitra Keluarga Karyasehat Tbk	Rp 4.176.188.101.672	29,06
54	MKNT	Mitra Komunikasi Nusantara Tbk	Rp 157.848.592.051	25,78
55	MLPL	Multipolar Tbk	Rp 24.122.671.000.000	30,81
56	MLPT	Multipolar Technology Tbk	Rp 1.779.863.908.000	28,21
57	MNCN	Media Nusantara Citra Tbk	Rp 14.239.867.000.000	30,29
58	MPMX	Mitra Pinasthika Mustika Tbk	Rp 14.926.225.000.000	30,33
59	MPPA	Matahari Putra Prima Tbk	Rp 6.701.734.000.000	29,53
60	MSKY	MNC Sky Vision Tbk	Rp 5.348.524.000.000	29,31
61	MTDL	Metrodata Electronics Tbk	Rp 3.876.021.000.000	28,99
62	OKAS	Ancora Indonesia Resources Tbk	Rp 2.255.199.130.924	28,44
63	PANR	Panorama Sentrawisata Tbk	Rp 2.279.403.845.000	28,45
64	PGLI	Pembangunan Graha Lestari Indah Tbk	Rp 68.325.896.841	24,95
65	PJAA	Pembangunan Jaya Ancol Tbk	Rp 3.768.551.035.234	28,96
66	PLAS	Polaris Investama Tbk	Rp 353.501.590.539	26,59
67	PNSE	Pudjiadi & Sons Tbk	Rp 501.235.506.230	26,94
68	PRDA	Prodia Widyahusada Tbk	Rp 1.824.046.090.679	28,23
69	PSKT	Red Planet Indonesia Tbk	Rp 628.196.929.018	27,17
70	PTSP	Pioneerindo Gourmet International Tbk	Rp 289.989.643.000	26,39
71	PUDP	Pudjiadi Prestige Tbk	Rp 531.168.640.936	27,00
72	RALS	Ramayana Lestari Sentosa Tbk	Rp 4.647.009.000.000	29,17
73	RANC	Supra Boga Lestari Tbk	Rp 721.237.977.450	27,30

74	SAME	Sarana Meditama Metropolitan Tbk	Rp 1.451.906.798.116	28,00
75	SCMA	Surya Citra Media Tbk	Rp 4.820.611.941.000	29,20
76	SDPC	Millennium Pharmacon International Tbk	Rp 733.443.472.176	27,32
77	SHID	Hotel Sahid Jaya International Tbk	Rp 1.443.540.346.013	28,00
78	SILO	Siloam International Hospitals Tbk	Rp 4.215.689.550.079	29,07
79	SIMA	Siwani Makmur Tbk	Rp 40.194.897.678	24,42
80	SONA	Sona Topas Tourism Industry Tbk	Rp 1.031.213.478.568	27,66
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	Rp 2.303.567.501.432	28,47
82	TELE	Tiphone Mobile Indonesia Tbk	Rp 8.215.481.000.000	29,74
83	TRIL	Triwira Insanlestari Tbk	Rp 148.478.336.260	25,72
84	TURI	Tunas Ridean Tbk	Rp 4.977.673.000.000	29,24
85	UNTR	United Tractors Tbk	Rp 63.991.229.000.000	31,79
86	WICO	Wicaksana Overseas International Tbk	Rp 229.056.622.337	26,16

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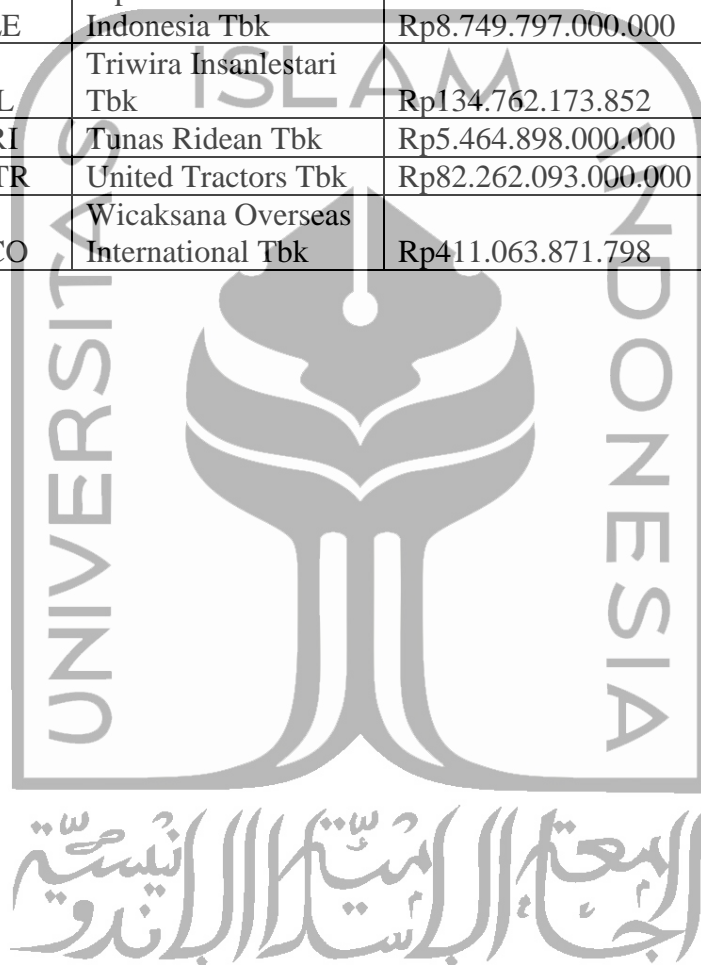
**Lampiran 7 Data Ukuran Perusahaan Tahun 2017**

No.	Kode Saham	Nama Perusahaan	Total Aset	Ln (Total Aset)
1	ABMM	ABM Investama Tbk	Rp14.126.144.723.688	30,28
2	ACES	Ace Hardware Indonesia Tbk	Rp4.428.840.550.479	29,12
3	AIMS	Akbar Indo Makmur Stimec Tbk	Rp15.100.638.538	23,44
4	AKRA	AKR Corporindo Tbk	Rp16.823.208.531.000	30,45
5	APII	Arita Prima Indonesia Tbk	Rp423.181.306.980	26,77
6	ASGR	Astra Graphia Tbk	Rp2.411.872.000.000	28,51
7	ATIC	Anabatic Technologies Tbk	Rp3.258.019.612.783	28,81
8	BAYU	Bayu Buana Tbk	Rp759.510.011.496	27,36
9	BHIT	MNC Investama Tbk	Rp20.195.774.000.000	30,64
10	BLTZ	Graha Layar Prima Tbk	Rp1.745.493.595.000	28,19
11	BMSR	Bintang Mitra Semestaraya Tbk	Rp505.111.733.824	26,95
12	BMTR	Global Mediacom Tbk	Rp27.694.734.000.000	30,95
13	BNBR	Bakrie & Brothers Tbk	Rp6.604.885.000.000	29,52
14	BOGA	Bintang Oto Global Tbk	Rp520.241.333.584	26,98
15	BRMS	Bumi Resources Minerals Tbk	Rp11.740.979.248.704	30,09
16	BUVA	Bukit Uluwatu Villa Tbk	Rp3.284.333.367.539	28,82
17	CLPI	Colorpak Indonesia Tbk	Rp587.699.015.641	27,10
18	CNKO	Exploitasi Energi Indonesia Tbk	Rp3.705.091.478.000	28,94
19	CSAP	Catur Sentosa Adiprana Tbk	Rp5.138.259.285.000	29,27
20	DAYA	Duta Intidaya Tbk	Rp275.708.556.000	26,34
21	DNET	Indoritel Makmur Internasional Tbk	Rp10.899.944.883.176	30,02
22	DYAN	Dyandra Media International Tbk	Rp1.452.680.785.154	28,00
23	ECII	Electronic City Indonesia Tbk	Rp1.899.930.632.192	28,27
24	EMTK	Elang Mahkota Teknologi Tbk	Rp22.209.662.128.000	30,73

25	EPMT	Enseval Putera Megatrading Tbk	Rp7.425.800.257.838	29,64
26	ERAA	Erajaya Swasembada Tbk	Rp8.873.955.770.000	29,81
27	FAST	Fast Food Indonesia Tbk	Rp2.749.422.391.000	28,64
28	FISH	FKS Multi Agro Tbk	Rp4.584.385.869.288	29,15
29	FORU	Fortune Indonesia Tbk	Rp179.525.551.116	25,91
30	GEMA	Gema Grahasarana Tbk	Rp811.103.847.459	27,42
31	HERO	Hero Supermarket Tbk	Rp7.363.144.000.000	29,63
32	ICON	Island Concepts Indonesia Tbk	Rp401.013.023.028	26,72
33	INPP	Indonesian Paradise Property Tbk	Rp6.658.138.016.661	29,53
34	INTA	Intraco Penta Tbk	Rp5.248.164.000.000	29,29
35	INTD	Inter Delta Tbk	Rp49.746.327.705	24,63
36	JGLE	Graha Andrasentra Propertindo Tbk	Rp3.927.687.833.256	29,00
37	JIHD	Jakarta International Hotels & Development Tbk	Rp6.655.376.027.000	29,53
38	JSPT	Jakarta Setiabudi Internasional Tbk	Rp4.120.088.912.000	29,05
39	JTPE	Jasuindo Tiga Perkasa Tbk	Rp1.015.271.044.216	27,65
40	KBLV	First Media Tbk	Rp12.089.473.000.000	30,12
41	KOBX	Kobexindo Tractors Tbk	Rp1.207.234.384.668	27,82
42	KOIN	Kokoh Inti Arebama Tbk	Rp743.783.368.008	27,34
43	KPIG	MNC Land Tbk	Rp15.327.156.276.743	30,36
44	LINK	Link Net Tbk	Rp5.766.226.000.000	29,38
45	LPPF	Matahari Department Store Tbk	Rp5.427.426.000.000	29,32
46	LTLS	Lautan Luas Tbk	Rp5.769.332.000.000	29,38
47	MAMI	Mas Murni Indonesia Tbk	Rp881.613.096.621	27,51
48	MAPI	Mitra Adiperkasa Tbk	Rp11.425.390.000.000	30,07
49	MARI	Mahaka Radio Integra Tbk	Rp317.710.200.635	26,48
50	MFMI	Multifiling Mitra Indonesia Tbk	Rp244.722.928.696	26,22
51	MICE	Multi Indocitra Tbk	Rp863.182.442.302	27,48

52	MIDI	Midi Utama Indonesia Tbk	Rp4.878.115.000.000	29,22
53	MIKA	Mitra Keluarga Karyasehat Tbk	Rp4.712.039.481.525	29,18
54	MKNT	Mitra Komunikasi Nusantara Tbk	Rp968.128.268.255	27,60
55	MLPL	Multipolar Tbk	Rp20.023.895.000.000	30,63
56	MLPT	Multipolar Technology Tbk	Rp1.870.716.000.000	28,26
57	MNCN	Media Nusantara Citra Tbk	Rp15.057.291.000.000	30,34
58	MPMX	Mitra Pinasthika Mustika Tbk	Rp9.740.576.000.000	29,91
59	MPPA	Matahari Putra Prima Tbk	Rp5.427.059.000.000	29,32
60	MSKY	MNC Sky Vision Tbk	Rp4.947.388.000.000	29,23
61	MTDL	Metrodata Electronics Tbk	Rp4.271.127.000.000	29,08
62	OKAS	Ancora Indonesia Resources Tbk	Rp2.543.061.494.508	28,56
63	PANR	Panorama Sentrawisata Tbk	Rp2.649.578.530.000	28,61
64	PGLI	Pembangunan Graha Lestari Indah Tbk	Rp80.931.406.341	25,12
65	PJAA	Pembangunan Jaya Ancol Tbk	Rp3.748.269.800.320	28,95
66	PLAS	Polaris Investama Tbk	Rp359.860.260.942	26,61
67	PNSE	Pudjiadi & Sons Tbk	Rp507.861.064.122	26,95
68	PRDA	Prodia Widyahusada Tbk	Rp1.840.201.000.000	28,24
69	PSKT	Red Planet Indonesia Tbk	Rp424.133.098.057	26,77
70	PTSP	Pioneerindo Gourmet International Tbk	Rp306.085.119.000	26,45
71	PUDP	Pudjiadi Prestige Tbk	Rp504.843.795.570	26,95
72	RALS	Ramayana Lestari Sentosa Tbk	Rp4.891.922.000.000	29,22
73	RANC	Supra Boga Lestari Tbk	Rp804.020.324.861	27,41
74	SAME	Sarana Meditama Metropolitan Tbk	Rp1.714.734.766.230	28,17
75	SCMA	Surya Citra Media Tbk	Rp5.385.807.878.000	29,31
76	SDPC	Millennium Pharmacon	Rp938.005.256.482	27,57

		International Tbk		
77	SHID	Hotel Sahid Jaya International Tbk	Rp1.518.623.166.828	28,05
78	SILO	Siloam International Hospitals Tbk	Rp7.596.268.000.000	29,66
79	SIMA	Siwani Makmur Tbk	Rp86.202.590.406	25,18
80	SONA	Sona Topas Tourism Industry Tbk	Rp1.141.551.052.237	27,76
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	Rp2.155.945.656.421	28,40
82	TELE	Tiphone Mobile Indonesia Tbk	Rp8.749.797.000.000	29,80
83	TRIL	Triwira Insanlestari Tbk	Rp134.762.173.852	25,63
84	TURI	Tunas Ridean Tbk	Rp5.464.898.000.000	29,33
85	UNTR	United Tractors Tbk	Rp82.262.093.000.000	32,04
86	WICO	Wicaksana Overseas International Tbk	Rp411.063.871.798	26,74



**Lampiran 8 Data Ukuran Perusahaan Tahun 2018**

No	Kode Saham	Nama Perusahaan	Total Aset	Ln (Total Aset)
1	ABMM	ABM Investama Tbk	Rp 12.337.084.995.876	30,14
2	ACES	Ace Hardware Indonesia Tbk	Rp 5.321.180.855.541	29,30
3	AIMS	Akbar Indo Makmur Stimec Tbk	Rp 17.533.206.467	23,59
4	AKRA	AKR Corporindo Tbk	Rp 19.940.850.599.000	30,62
5	APII	Arita Prima Indonesia Tbk	Rp 450.303.354.800	26,83
6	ASGR	Astra Graphia Tbk	Rp 2.271.344.000.000	28,45
7	ATIC	Anabatic Technologies Tbk	Rp 3.960.978.683.647	29,01
8	BAYU	Bayu Buana Tbk	Rp 800.918.912.470	27,41
9	BHIT	MNC Investama Tbk	Rp 56.421.973.000.000	31,66
10	BLTZ	Graha Layar Prima Tbk	Rp 1.762.007.688.000	28,20
11	BMSR	Bintang Mitra Semestaraya Tbk	Rp 597.892.996.224	27,12
12	BMTR	Global Mediacom Tbk	Rp 28.968.162.000.000	31,00
13	BNBR	Bakrie & Brothers Tbk	Rp 14.335.108.000.000	30,29
14	BOGA	Bintang Oto Global Tbk	Rp 571.901.434.748	27,07
15	BRMS	Bumi Resources Minerals Tbk	Rp 10.002.869.248.023	29,93
16	BUVA	Bukit Uluwatu Villa Tbk	Rp 4.106.726.921.085	29,04
17	CLPI	Colopak Indonesia Tbk	Rp 708.588.285.620	27,29
18	CNKO	Exploitasi Energi Indonesia Tbk	Rp 2.703.608.742.000	28,63
19	CSAP	Catur Sentosa Adiprana Tbk	Rp 5.785.287.553.000	29,39
20	DAYA	Duta Intidaya Tbk	Rp 411.861.480.000	26,74
21	DNET	Indoritel Makmur Internasional Tbk	Rp 14.527.983.724.288	30,31
22	DYAN	Dyandra Media International Tbk	Rp 1.229.926.003.723	27,84
23	ECII	Electronic City Indonesia Tbk	Rp 1.938.181.518.461	28,29
24	EMTK	Elang Mahkota Teknologi Tbk	Rp 19.554.411.684.000	30,60

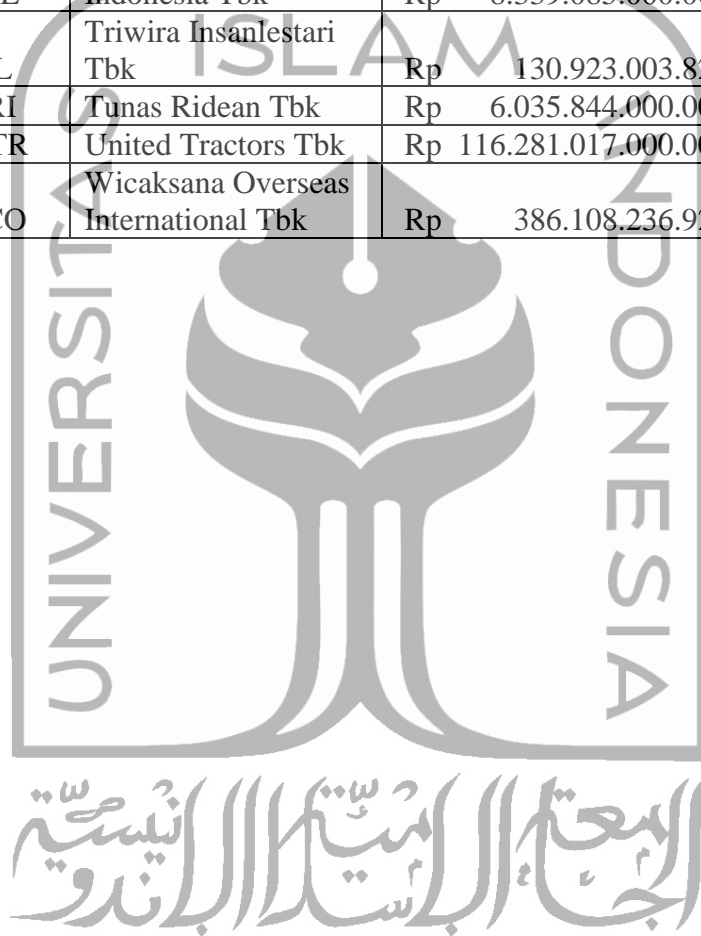
25	EPMT	Enseval Putera Megatrading Tbk	Rp 8.322.960.974.230	29,75
26	ERAA	Erajaya Swasembada Tbk	Rp 12.682.902.626.000	30,17
27	FAST	Fast Food Indonesia Tbk	Rp 2.989.693.223.000	28,73
28	FISH	FKS Multi Agro Tbk	Rp 6.249.128.003.091	29,46
29	FORU	Fortune Indonesia Tbk	Rp 122.968.903.053	25,54
30	GEMA	Gema Grahasarana Tbk	Rp 986.798.686.383	27,62
31	HERO	Hero Supermarket Tbk	Rp 6.271.858.000.000	29,47
32	ICON	Island Concepts Indonesia Tbk	Rp 395.969.370.635	26,70
33	INPP	Indonesian Paradise Property Tbk	Rp 6.964.734.840.779	29,57
34	INTA	Intraco Penta Tbk	Rp 4.999.532.000.000	29,24
35	INTD	Inter Delta Tbk	Rp 52.193.007.226	24,68
36	JGLE	Graha Andrasentra Propertindo Tbk	Rp 3.843.887.118.265	28,98
37	JIHD	Jakarta International Hotels & Development Tbk	Rp 6.606.689.033.000	29,52
38	JSPT	Jakarta Setiabudi Internasional Tbk	Rp 5.048.597.273.000	29,25
39	JTPE	Jasuindo Tiga Perkasa Tbk	Rp 1.087.169.297.635	27,71
40	KBLV	First Media Tbk	Rp 6.975.726.000.000	29,57
41	KOBX	Kobexindo Tractors Tbk	Rp 1.620.737.978.409	28,11
42	KOIN	Kokoh Inti Arebama Tbk	Rp 855.572.807.455	27,48
43	KPIG	MING Land Tbk	Rp 17.621.363.545.763	30,50
44	LINK	Link Net Tbk	Rp 6.023.611.000.000	29,43
45	LPPF	Matahari Department Store Tbk	Rp 5.036.396.000.000	29,25
46	LTLS	Lautan Luas Tbk	Rp 6.318.441.000.000	29,47
47	MAMI	Mas Murni Indonesia Tbk	Rp 1.002.602.501.302	27,63
48	MAPI	Mitra Adiperkasa Tbk	Rp 12.632.671.000.000	30,17
49	MARI	Mahaka Radio Integra Tbk	Rp 338.701.893.494	26,55
50	MFMI	Multifiling Mitra Indonesia Tbk	Rp 273.775.760.725	26,34
51	MICE	Multi Indocitra Tbk	Rp 928.832.007.829	27,56



52	MIDI	Midi Utama Indonesia Tbk	Rp 4.960.145.000.000	29,23
53	MIKA	Mitra Keluarga Karyasehat Tbk	Rp 5.089.416.875.753	29,26
54	MKNT	Mitra Komunikasi Nusantara Tbk	Rp 855.096.628.586	27,47
55	MLPL	Multipolar Tbk	Rp 17.160.902.000.000	30,47
56	MLPT	Multipolar Technology Tbk	Rp 2.059.020.000.000	28,35
57	MNCN	Media Nusantara Citra Tbk	Rp 16.339.552.000.000	30,42
58	MPMX	Mitra Pinasthika Mustika Tbk	Rp 11.943.407.000.000	30,11
59	MPPA	Matahari Putra Prima Tbk	Rp 4.808.545.000.000	29,20
60	MSKY	MNC Sky Vision Tbk	Rp 4.893.410.000.000	29,22
61	MTDL	Metrodata Electronics Tbk	Rp 4.852.776.000.000	29,21
62	OKAS	Ancora Indonesia Resources Tbk	Rp 2.721.234.678.714	28,63
63	PANR	Panorama Sentrawisata Tbk	Rp 1.813.302.512.000	28,23
64	PGLI	Pembangunan Graha Lestari Indah Tbk	Rp 84.366.005.470	25,16
65	PJAA	Pembangunan Jaya Ancol Tbk	Rp 4.361.394.289.871	29,10
66	PLAS	Polaris Investama Tbk	Rp 190.690.176.774	25,97
67	PNSE	Pudjiadi & Sons Tbk	Rp 457.477.659.067	26,85
68	PRDA	Prodia Widyahusada Tbk	Rp 1.930.381.000.000	28,29
69	PSKT	Red Planet Indonesia Tbk	Rp 470.089.120.703	26,88
70	PTSP	Pioneerindo Gourmet International Tbk	Rp 308.082.711.000	26,45
71	PUDP	Pudjiadi Prestige Tbk	Rp 489.530.579.233	26,92
72	RALS	Ramayana Lestari Sentosa Tbk	Rp 5.243.047.000.000	29,29
73	RANC	Supra Boga Lestari Tbk	Rp 904.003.739.438	27,53
74	SAME	Sarana Meditama Metropolitan Tbk	Rp 2.529.031.900.083	28,56
75	SCMA	Surya Citra Media Tbk	Rp 6.138.226.584.000	29,45
76	SDPC	Millennium Pharmacon	Rp 1.192.891.220.453	27,81



		International Tbk		
77	SHID	Hotel Sahid Jaya International Tbk	Rp 1.503.098.900.111	28,04
78	SILO	Siloam International Hospitals Tbk	Rp 7.694.942.000.000	29,67
79	SIMA	Siwani Makmur Tbk	Rp 74.549.587.669	25,03
80	SONA	Sona Topas Tourism Industry Tbk	Rp 1.250.810.082.430	27,85
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	Rp 2.738.883.586.047	28,64
82	TELE	Tiphone Mobile Indonesia Tbk	Rp 8.339.085.000.000	29,75
83	TRIL	Triwira Insanlestari Tbk	Rp 130.923.003.824	25,60
84	TURI	Tunas Ridean Tbk	Rp 6.035.844.000.000	29,43
85	UNTR	United Tractors Tbk	Rp 116.281.017.000.000	32,39
86	WICO	Wicaksana Overseas International Tbk	Rp 386.108.236.920	26,68



**Lampiran 9 Data Leverage (DER)**

No.	Kode Saham	Nama Perusahaan	2016	2017	2018
1	ABMM	ABM Investama Tbk	5,74	5,42	2,44
2	ACES	Ace Hardware Indonesia Tbk	0,18	0,26	0,26
3	AIMS	Akbar Indo Makmur Stimec Tbk	0,02	0,01	0,22
4	AKRA	AKR Corporindo Tbk	0,96	0,86	1,01
5	APII	Arita Prima Indonesia Tbk	0,58	0,71	0,63
6	ASGR	Astra Graphia Tbk	0,48	0,83	0,53
7	ATIC	Anabatic Technologies Tbk	2,51	3,05	3,49
8	BAYU	Bayu Buana Tbk	0,75	0,87	0,79
9	BHIT	MNC Investama Tbk	1,29	1,35	1,30
10	BLTZ	Graha Layar Prima Tbk	0,17	0,55	0,52
11	BMSR	Bintang Mitra Semestaraya Tbk	2,35	2,52	3,04
12	BMTR	Global Mediacom Tbk	0,77	0,96	1,03
13	BNBR	Bakrie & Brothers Tbk	-2,08	-2,34	4,35
14	BOGA	Bintang Oto Global Tbk	0,09	0,28	0,37
15	BRMS	Bumi Resources Minerals Tbk	0,69	0,54	0,33
16	BUVA	Bukit Uluwatu Villa Tbk	0,74	0,48	0,77
17	CLPI	Colorpak Indonesia Tbk	0,32	0,34	0,56
18	CNKO	Exploitasi Energi Indonesia Tbk	1,71	7,82	-4,31
19	CSAP	Catur Sentosa Adiprana Tbk	2,00	2,37	1,98
20	DAYA	Duta Intidaya Tbk	1,00	1,28	1,52
21	DNET	Indoritel Makmur Internasional Tbk	0,01	0,29	0,61
22	DYAN	Dyandra Media International Tbk	0,95	0,84	0,51
23	ECII	Electronic City Indonesia Tbk	0,09	0,11	0,12
24	EMTK	Elang Mahkota Teknologi Tbk	0,29	0,24	0,26
25	EPMT	Enseval Putera Megatrading Tbk	0,53	0,45	0,44
26	ERAA	Erajaya Swasembada Tbk	1,18	1,39	1,63
27	FAST	Fast Food Indonesia Tbk	1,11	1,12	0,95
28	FISH	FKS Multi Agro Tbk	2,13	2,35	2,97
29	FORU	Fortune Indonesia Tbk	1,03	1,55	0,96
30	GEMA	Gema Grahasarana Tbk	0,72	1,00	1,32
31	HERO	Hero Supermarket Tbk	0,37	0,42	0,59
32	ICON	Island Concepts Indonesia Tbk	1,95	1,31	0,93

33	INPP	Indonesian Paradise Property Tbk	0,21	0,57	0,60
34	INTA	Intraco Penta Tbk	9,40	9,29	22,02
35	INTD	Inter Delta Tbk	0,37	0,37	0,35
36	JGLE	Graha Andrasentra Propertindo Tbk	0,74	0,72	0,69
37	JIHD	Jakarta International Hotels & Development Tbk	0,38	0,35	0,32
38	JSPT	Jakarta Setiabudi Internasional Tbk	0,47	0,48	0,56
39	JTPE	Jasuindo Tiga Perkasa Tbk	0,90	0,68	0,73
40	KBLV	First Media Tbk	0,77	0,53	0,81
41	KOBX	Kobexindo Tractors Tbk	2,09	2,06	2,49
42	KOIN	Kokoh Inti Arebama Tbk	4,84	5,67	7,30
43	KPIG	MNC Land Tbk	0,26	0,24	0,35
44	LINK	Link Net Tbk	0,28	0,27	0,27
45	LPPF	Matahari Department Store Tbk	1,62	1,33	1,77
46	LTLS	Lautan Luas Tbk	2,37	2,08	1,97
47	MAMI	Mas Murni Indonesia Tbk	0,34	0,38	0,53
48	MAPI	Mitra Adiperkasa Tbk	2,33	1,69	1,08
49	MARI	Mahaka Radio Integra Tbk	0,20	0,63	0,52
50	MFMI	Multifiling Mitra Indonesia Tbk	0,19	0,22	0,23
51	MICE	Multi Indocitra Tbk	0,41	0,42	0,46
52	MIDI	Midi Utama Indonesia Tbk	3,76	4,29	3,59
53	MIKA	Mitra Keluarga Karyasehat Tbk	0,15	0,17	0,14
54	MKNT	Mitra Komunikasi Nusantara Tbk	0,18	2,44	2,11
55	MLPL	Multipolar Tbk	1,58	1,66	1,74
56	MLPT	Multipolar Technology Tbk	1,16	1,13	1,26
57	MNCN	Media Nusantara Citra Tbk	0,50	0,54	0,54
58	MPMX	Mitra Pinasthika Mustika Tbk	0,62	1,11	0,36
59	MPPA	Matahari Putra Prima Tbk	1,76	3,85	3,18
60	MSKY	MNC Sky Vision Tbk	3,21	1,25	1,36
61	MTDL	Metrodata Electronics Tbk	1,10	0,94	0,87
62	OKAS	Ancora Indonesia Resources Tbk	14,19	8,35	12,51
63	PANR	Panorama Sentrawisata Tbk	0,67	1,19	1,18
64	PGLI	Pembangunan Graha Lestari Indah Tbk	0,18	0,39	0,34
65	PJAA	Pembangunan Jaya Ancol Tbk	1,06	0,88	1,05
66	PLAS	Polaris Investama Tbk	0,70	0,87	0,23

67	PNSE	Pudjiadi & Sons Tbk	0,83	0,75	0,62
68	PRDA	Prodia Widyahusada Tbk	0,44	0,36	0,24
69	PSKT	Red Planet Indonesia Tbk	1,42	0,12	0,14
70	PTSP	Pioneerindo Gourmet International Tbk	1,13	1,08	0,87
71	PUDP	Pudjiadi Prestige Tbk	0,61	0,51	0,45
72	RALS	Ramayana Lestari Sentosa Tbk	0,39	0,40	0,37
73	RANC	Supra Boga Lestari Tbk	0,67	0,75	0,79
74	SAME	Sarana Meditama Metropolitan Tbk	0,71	0,65	0,91
75	SCMA	Surya Citra Media Tbk	0,30	0,22	0,20
76	SDPC	Millennium Pharmacon International Tbk	4,12	3,41	4,14
77	SHID	Hotel Sahid Jaya International Tbk	0,53	0,60	0,59
78	SILO	Siloam International Hospitals Tbk	0,35	0,20	0,22
79	SIMA	Siwani Makmur Tbk	0,42	2,04	3,90
80	SONA	Sona Topas Tourism Industry Tbk	0,76	0,79	0,64
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	0,34	0,33	0,49
82	TELE	Tiphone Mobile Indonesia Tbk	1,78	1,47	1,14
83	TRIL	Triwira Insanlestari Tbk	0,08	0,05	0,05
84	TURI	Tunas Ridean Tbk	0,76	0,74	0,70
85	UNTR	United Tractors Tbk	0,53	0,73	1,04
86	WICO	Wicaksana Overseas International Tbk	0,78	0,39	0,39

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### Lampiran 10 Data Kepemilikan Publik

No.	Kode Saham	Nama Perusahaan	2016	2017	2018
1	ABMM	ABM Investama Tbk	0,1119	0,1123	0,1029
2	ACES	Ace Hardware Indonesia Tbk	0,3956	0,3956	0,9981
3	AIMS	Akbar Indo Makmur Stimec Tbk	0,1793	0,1792	0,1133
4	AKRA	AKR Corporindo Tbk	0,4070	0,4095	0,4081
5	APII	Arita Prima Indonesia Tbk	0,2563	0,2252	0,2252
6	ASGR	Astra Graphia Tbk	0,2313	0,2313	0,2313
7	ATIC	Anabatic Technologies Tbk	0,2149	0,1278	0,0226
8	BAYU	Bayu Buana Tbk	0,1891	0,2950	0,2965
9	BHIT	MNC Investama Tbk	0,3797	0,3700	0,3366
10	BLTZ	Graha Layar Prima Tbk	0,0888	0,0058	0,0880
11	BMSR	Bintang Mitra Semestaraya Tbk	0,1245	0,1245	0,1245
12	BMTR	Global Mediacom Tbk	0,4521	0,4392	0,4395
13	BNBR	Bakrie & Brothers Tbk	0,5444	0,6775	0,4410
14	BOGA	Bintang Oto Global Tbk	0,2294	0,2300	0,6201
15	BRMS	Bumi Resources Minerals Tbk	0,0546	0,1397	0,1486
16	BUVA	Bukit Uluwatu Villa Tbk	0,5038	0,2615	0,3420
17	CLPI	Colorpak Indonesia Tbk	0,2650	0,3492	0,3492
18	CNKO	Exploitasi Energi Indonesia Tbk	0,5499	0,9872	0,7165
19	CSAP	Catur Sentosa Adiprana Tbk	0,2517	0,2056	0,1374
20	DAYA	Duta Intidaya Tbk	0,0891	0,0832	0,0766
21	DNET	Indoritel Makmur Internasional Tbk	0,0757	0,0238	0,0753
22	DYAN	Dyandra Media International Tbk	0,2852	0,3124	0,3136
23	ECII	Electronic City Indonesia Tbk	0,1877	0,1866	0,1874
24	EMTK	Elang Mahkota Teknologi Tbk	0,1691	0,2012	0,2094
25	EPMT	Enseval Putera Megatrading Tbk	0,0820	0,0820	0,0820
26	ERAA	Erajaya Swasembada Tbk	0,3968	0,3972	0,3972
27	FAST	Fast Food Indonesia Tbk	0,1018	0,2032	0,2032
28	FISH	FKS Multi Agro Tbk	0,1052	0,1052	0,1052
29	FORU	Fortune Indonesia Tbk	0,0725	0,1075	0,1075
30	GEMA	Gema Grahasarana Tbk	0,1906	0,2144	0,2144
31	HERO	Hero Supermarket Tbk	0,1291	0,1285	0,1629
32	ICON	Island Concepts Indonesia Tbk	0,3214	0,2692	0,3645

33	INPP	Indonesian Paradise Property Tbk	0,0216	0,0216	0,0216
34	INTA	Intraco Penta Tbk	0,3518	0,2063	0,2546
35	INTD	Inter Delta Tbk	0,1408	0,1179	0,1179
36	JGLE	Graha Andrasentra Propertindo Tbk	0,1019	0,2453	0,4194
37	JIHD	Jakarta International Hotels & Development Tbk	0,7035	0,3374	0,3370
38	JSPT	Jakarta Setiabudi Internasional Tbk	0,0682	0,0252	0,0252
39	JTPE	Jasuindo Tiga Perkasa Tbk	0,0500	0,2703	0,2703
40	KBLV	First Media Tbk	0,1114	0,0252	0,0292
41	KOBX	Kobexindo Tractors Tbk	0,1592	0,1070	0,1070
42	KOIN	Kokoh Inti Arebama Tbk	0,0924	0,0938	0,0938
43	KPIG	MNC Land Tbk	0,4967	0,5277	0,5526
44	LINK	Link Net Tbk	0,2557	0,2987	0,2992
45	LPPF	Matahari Department Store Tbk	0,8252	0,8252	0,8252
46	LTLS	Lautan Luas Tbk	0,4002	0,4046	0,4057
47	MAMI	Mas Murni Indonesia Tbk	0,4315	0,6274	0,8209
48	MAPI	Mitra Adiperkasa Tbk	0,4344	0,4813	0,4862
49	MARI	Mahaka Radio Integra Tbk	0,2445	0,2000	0,2719
50	MFMI	Multifiling Mitra Indonesia Tbk	0,3401	0,0675	0,0754
51	MICE	Multi Indocitra Tbk	0,3907	0,3914	0,4558
52	MIDI	Midi Utama Indonesia Tbk	0,1263	0,1263	0,1263
53	MIKA	Mitra Keluarga Karyasehat Tbk	0,1800	0,3994	0,3812
54	MKNT	Mitra Komunikasi Nusantara Tbk	0,1996	0,2627	0,4091
55	MLPL	Multipolar Tbk	0,6798	0,2721	0,4593
56	MLPT	Multipolar Technology Tbk	0,2000	0,1035	0,0575
57	MNCN	Media Nusantara Citra Tbk	0,3517	0,3304	0,3043
58	MPMX	Mitra Pinasthika Mustika Tbk	0,2280	0,2050	0,2092
59	MPPA	Matahari Putra Prima Tbk	0,2368	0,2368	0,1687
60	MSKY	MNC Sky Vision Tbk	0,0343	0,0759	0,0245
61	MTDL	Metrodata Electronics Tbk	0,5043	0,4006	0,4037
62	OKAS	Ancora Indonesia Resources Tbk	0,1977	0,1557	0,1558
63	PANR	Panorama Sentrawisata Tbk	0,1727	0,1727	0,3227
64	PGLI	Pembangunan Graha Lestari Indah Tbk	0,2786	0,3044	0,1449
65	PJAA	Pembangunan Jaya Ancol Tbk	0,0999	0,0999	0,0999
66	PLAS	Polaris Investama Tbk	0,9395	0,9282	0,9282



67	PNSE	Pudjiadi & Sons Tbk	0,0852	0,0980	0,0830
68	PRDA	Prodia Widyahusada Tbk	0,2500	0,2500	0,2500
69	PSKT	Red Planet Indonesia Tbk	0,0061	0,0313	0,0311
70	PTSP	Pioneerindo Gourmet International Tbk	0,1311	0,2522	0,2527
71	PUDP	Pudjiadi Prestige Tbk	0,1436	0,2945	0,2817
72	RALS	Ramayana Lestari Sentosa Tbk	0,2961	0,2483	0,3331
73	RANC	Supra Boga Lestari Tbk	0,2118	0,2026	0,1978
74	SAME	Sarana Meditama Metropolitan Tbk	0,1547	0,1547	0,1547
75	SCMA	Surya Citra Media Tbk	0,3930	0,3914	0,3910
76	SDPC	Millennium Pharmacon International Tbk	0,1200	0,0771	0,0771
77	SHID	Hotel Sahid Jaya International Tbk	0,0869	0,0869	0,0869
78	SILO	Siloam International Hospitals Tbk	0,2291	0,2278	0,1348
79	SIMA	Siwani Makmur Tbk	0,3121	0,5731	0,6129
80	SONA	Sona Topas Tourism Industry Tbk	0,0954	0,0880	0,0880
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	0,0418	0,0418	0,1260
82	TELE	Tiphone Mobile Indonesia Tbk	0,2365	0,2500	0,1738
83	TRIL	Triwira Insanlestari Tbk	0,2765	0,2800	0,2631
84	TURI	Tunas Ridean Tbk	0,1269	0,1294	0,0911
85	UNTR	United Tractors Tbk	0,4050	0,4050	0,4045
86	WICO	Wicaksana Overseas International Tbk	0,1241	0,1241	0,0231

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**Lampiran 11 Data Kompleksitas Operasi Perusahaan**

No.	Kode Saham	Nama Perusahaan	2016	2017	2018
1	ABMM	ABM Investama Tbk	1	1	1
2	ACES	Ace Hardware Indonesia Tbk	1	1	1
3	AIMS	Akbar Indo Makmur Stimec Tbk	0	0	0
4	AKRA	AKR Corporindo Tbk	1	1	1
5	APII	Arita Prima Indonesia Tbk	1	1	1
6	ASGR	Astra Graphia Tbk	1	1	1
7	ATIC	Anabatic Technologies Tbk	1	1	1
8	BAYU	Bayu Buana Tbk	1	1	1
9	BHIT	MNC Investama Tbk	1	1	1
10	BLTZ	Graha Layar Prima Tbk	1	1	1
11	BMSR	Bintang Mitra Semestaraya Tbk	1	1	1
12	BMTR	Global Mediacom Tbk	1	1	1
13	BNBR	Bakrie & Brothers Tbk	1	1	1
14	BOGA	Bintang Oto Global Tbk	1	1	1
15	BRMS	Bumi Resources Minerals Tbk	1	1	1
16	BUVA	Bukit Uluwatu Villa Tbk	1	1	1
17	CLPI	Colorpak Indonesia Tbk	1	1	1
18	CNKO	Exploitasi Energi Indonesia Tbk	1	1	1
19	CSAP	Catur Sentosa Adiprana Tbk	1	1	1
20	DAYA	Duta Intidaya Tbk	0	0	0
21	DNET	Indoritel Makmur Internasional Tbk	1	1	1
22	DYAN	Dyandra Media International Tbk	1	1	1
23	ECII	Electronic City Indonesia Tbk	1	1	1
24	EMTK	Elang Mahkota Teknologi Tbk	1	1	1
25	EPMT	Enseval Putera Megatrading Tbk	1	1	1
26	ERAA	Erajaya Swasembada Tbk	1	1	1
27	FAST	Fast Food Indonesia Tbk	0	0	0
28	FISH	FKS Multi Agro Tbk	1	1	1
29	FORU	Fortune Indonesia Tbk	1	1	1
30	GEMA	Gema Grahasarana Tbk	1	1	1
31	HERO	Hero Supermarket Tbk	0	0	0
32	ICON	Island Concepts Indonesia Tbk	1	1	1
33	INPP	Indonesian Paradise Property Tbk	1	1	1

34	INTA	Intraco Penta Tbk	1	1	1
35	INTD	Inter Delta Tbk	1	1	1
36	JGLE	Graha Andrasentra Propertindo Tbk	1	1	1
37	JIHD	Jakarta International Hotels & Development Tbk	1	1	1
38	JSPT	Jakarta Setiabudi Internasional Tbk	1	1	1
39	JTPE	Jasuindo Tiga Perkasa Tbk	1	1	1
40	KBLV	First Media Tbk	1	1	1
41	KOBX	Kobexindo Tractors Tbk	1	1	1
42	KOIN	Kokoh Inti Arebama Tbk	1	1	1
43	KPIG	MNC Land Tbk	1	1	1
44	LINK	Link Net Tbk	1	1	1
45	LPPF	Matahari Department Store Tbk	0	0	1
46	LTLS	Lautan Luas Tbk	1	1	1
47	MAMI	Mas Murni Indonesia Tbk	1	1	1
48	MAPI	Mitra Adiperkasa Tbk	1	1	1
49	MARI	Mahaka Radio Integra Tbk	1	1	1
50	MFMI	Multifiling Mitra Indonesia Tbk	0	0	0
51	MICE	Multi Indocitra Tbk	1	1	1
52	MIDI	Midi Utama Indonesia Tbk	0	0	1
53	MIKA	Mitra Keluarga Karyasehat Tbk	1	1	1
54	MKNT	Mitra Komunikasi Nusantara Tbk	1	1	1
55	MLPL	Multipolar Tbk	1	1	1
56	MLPT	Multipolar Technology Tbk	1	1	1
57	MNCN	Media Nusantara Citra Tbk	1	1	1
58	MPMX	Mitra Pinasthika Mustika Tbk	1	1	1
59	MPPA	Matahari Putra Prima Tbk	1	1	1
60	MSKY	MNC Sky Vision Tbk	1	1	1
61	MTDL	Metrodata Electronics Tbk	1	1	1
62	OKAS	Ancora Indonesia Resources Tbk	1	1	1
63	PANR	Panorama Sentrawisata Tbk	1	1	1
64	PGLI	Pembangunan Graha Lestari Indah Tbk	1	1	1
65	PJAA	Pembangunan Jaya Ancol Tbk	1	1	1
66	PLAS	Polaris Investama Tbk	1	1	1
67	PNSE	Pudjiadi & Sons Tbk	1	1	1
68	PRDA	Prodia Widyahusada Tbk	0	0	0

69	PSKT	Red Planet Indonesia Tbk	1	1	1
70	PTSP	Pioneerindo Gourmet International Tbk	1	1	1
71	PUDP	Pudjadi Prestige Tbk	1	1	1
72	RALS	Ramayana Lestari Sentosa Tbk	0	0	0
73	RANC	Supra Boga Lestari Tbk	1	1	1
74	SAME	Sarana Meditama Metropolitan Tbk	1	1	1
75	SCMA	Surya Citra Media Tbk	1	1	1
76	SDPC	Millennium Pharmacon International Tbk	0	0	0
77	SHID	Hotel Sahid Jaya International Tbk	1	1	1
78	SILO	Siloam International Hospitals Tbk	1	1	1
79	SIMA	Siwani Makmur Tbk	0	0	0
80	SONA	Sona Topas Tourism Industry Tbk	1	1	1
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	1	1	1
82	TELE	Tiphone Mobile Indonesia Tbk	1	1	1
83	TRIL	Triwira Insanlestari Tbk	1	1	1
84	TURI	Tunas Ridean Tbk	1	1	1
85	UNTR	United Tractors Tbk	1	1	1
86	WICO	Wicaksana Overseas International Tbk	1	1	1

Keterangan:

0: Tidak memiliki anak perusahaan

1: Memiliki anak perusahaan

### Lampiran 12 Ukuran Dewan Komisaris

No.	Kode Saham	Nama Perusahaan	2016	2017	2018
1	ABMM	ABM Investama Tbk	3	3	3
2	ACES	Ace Hardware Indonesia Tbk	4	4	4
3	AIMS	Akbar Indo Makmur Stimec Tbk	3	3	3
4	AKRA	AKR Corporindo Tbk	3	3	3
5	APII	Arita Prima Indonesia Tbk	3	3	3
6	ASGR	Astra Graphia Tbk	4	4	3
7	ATIC	Anabatic Technologies Tbk	3	3	3
8	BAYU	Bayu Buana Tbk	3	3	3
9	BHIT	MNC Investama Tbk	5	6	6
10	BLTZ	Graha Layar Prima Tbk	2	2	2
11	BMSR	Bintang Mitra Semestaraya Tbk	2	2	2
12	BMTR	Global Mediacom Tbk	5	4	4
13	BNBR	Bakrie & Brothers Tbk	3	3	3
14	BOGA	Bintang Oto Global Tbk	3	3	2
15	BRMS	Bumi Resources Minerals Tbk	3	3	3
16	BUVA	Bukit Uluwatu Villa Tbk	6	6	6
17	CLPI	Colorpak Indonesia Tbk	3	3	3
18	CNKO	Exploitasi Energi Indonesia Tbk	3	3	3
19	CSAP	Catur Sentosa Adiprana Tbk	5	6	6
20	DAYA	Duta Intidaya Tbk	3	3	6
21	DNET	Indoritel Makmur Internasional Tbk	7	7	7
22	DYAN	Dyandra Media International Tbk	5	5	5
23	ECII	Electronic City Indonesia Tbk	5	6	5
24	EMTK	Elang Mahkota Teknologi Tbk	8	8	7
25	EPMT	Enseval Putera Megatrading Tbk	5	7	4
26	ERAA	Erajaya Swasembada Tbk	3	3	3
27	FAST	Fast Food Indonesia Tbk	6	6	6
28	FISH	FKS Multi Agro Tbk	4	4	5
29	FORU	Fortune Indonesia Tbk	3	2	2
30	GEMA	Gema Grahasarana Tbk	3	3	3
31	HERO	Hero Supermarket Tbk	9	9	9
32	ICON	Island Concepts Indonesia Tbk	3	3	6

33	INPP	Indonesian Paradise Property Tbk	4	4	4
34	INTA	Intraco Penta Tbk	3	3	3
35	INTD	Inter Delta Tbk	3	3	3
36	JGLE	Graha Andrasentra Propertindo Tbk	5	3	3
37	JIHD	Jakarta International Hotels & Development Tbk	6	6	3
38	JSPT	Jakarta Setiabudi Internasional Tbk	5	5	5
39	JTPE	Jasuindo Tiga Perkasa Tbk	2	2	2
40	KBLV	First Media Tbk	5	4	3
41	KOBX	Kobexindo Tractors Tbk	3	3	3
42	KOIN	Kokoh Inti Arebama Tbk	6	6	6
43	KPIG	MNC Land Tbk	5	5	5
44	LINK	Link Net Tbk	5	4	5
45	LPPF	Matahari Department Store Tbk	9	9	8
46	LTLS	Lautan Luas Tbk	6	6	6
47	MAMI	Mas Murni Indonesia Tbk	4	4	3
48	MAPI	Mitra Adiperkasa Tbk	5	5	5
49	MARI	Mahaka Radio Integra Tbk	4	3	3
50	MFMI	Multifiling Mitra Indonesia Tbk	3	3	3
51	MICE	Multi Indocitra Tbk	3	3	3
52	MIDI	Midi Utama Indonesia Tbk	6	3	2
53	MIKA	Mitra Keluarga Karyasehat Tbk	5	5	5
54	MKNT	Mitra Komunikasi Nusantara Tbk	3	3	2
55	MLPL	Multipolar Tbk	6	5	8
56	MLPT	Multipolar Technology Tbk	6	4	3
57	MNCN	Media Nusantara Citra Tbk	3	3	3
58	MPMX	Mitra Pinasthika Mustika Tbk	6	6	6
59	MPPA	Matahari Putra Prima Tbk	7	7	8
60	MSKY	MNC Sky Vision Tbk	4	4	4
61	MTDL	Metrodata Electronics Tbk	3	3	3
62	OKAS	Ancora Indonesia Resources Tbk	4	3	3
63	PANR	Panorama Sentrawisata Tbk	5	5	5
64	PGLI	Pembangunan Graha Lestari Indah Tbk	3	3	2
65	PJAA	Pembangunan Jaya Ancol Tbk	4	4	3
66	PLAS	Polaris Investama Tbk	2	2	2

67	PNSE	Pudjiadi & Sons Tbk	3	3	3
68	PRDA	Prodia Widyahusada Tbk	5	6	6
69	PSKT	Red Planet Indonesia Tbk	6	5	5
70	PTSP	Pioneerindo Gourmet International Tbk	4	4	4
71	PUDP	Pudjiadi Prestige Tbk	3	3	3
72	RALS	Ramayana Lestari Sentosa Tbk	5	5	5
73	RANC	Supra Boga Lestari Tbk	3	3	3
74	SAME	Sarana Meditama Metropolitan Tbk	3	3	3
75	SCMA	Surya Citra Media Tbk	5	5	5
76	SDPC	Millennium Pharmacon International Tbk	4	4	4
77	SHID	Hotel Sahid Jaya International Tbk	5	5	5
78	SILO	Siloam International Hospitals Tbk	8	9	9
79	SIMA	Siwani Makmur Tbk	2	2	2
80	SONA	Sona Topas Tourism Industry Tbk	7	6	7
81	SRAJ	Sejahteraraya Anugrahjaya Tbk	6	6	6
82	TELE	Tiphone Mobile Indonesia Tbk	5	5	5
83	TRIL	Triwira Insanlestari Tbk	2	2	2
84	TURI	Tunas Ridean Tbk	5	5	5
85	UNTR	United Tractors Tbk	6	6	6
86	WICO	Wicaksana Overseas International Tbk	3	3	5

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