

Lampiran 1 : Populasi Perusahaan

NO	KODE	Nama Perusahaan
1	INTP	Indocement Tunggul Prakasa Tbk
2	SMBR	Semen Baturaja Tbk
3	SMCB	Solusi Bangun Indonesia Tbk
4	SMGR	Semen Indonesia (Persero) Tbk
5	WTON	Wijaya Karya Beton Tbk
6	WSBP	Waskita Beton Precast Tbk
7	WSKT	Waskita Karya
8	GTSI	GTS International
9	BEBS*	Berkah Beton Sadaya Tbk
10	CMNT*	Cemindo Gemilang Tbk
11	AMFG	Asahimas Flat Glass Tbk
12	ARNA	Arwana Citramulia Tbk
13	CAKK	Cahayaputra Asa Keramik Tbk
14	KIAS	Keramika Indonesia Assosiasi Tbk
15	MARK	Mark Dynamics Indonesia Tbk
16	MLIA	Mulia Industrindo Tbk
17	TOTO	Surya Toto Indonesia Tbk
18	ALKA	Alakasa Industrindo Tbk
19	ALMI	Alumindo Light Metal Industry Tbk
20	BAJA	Saranacentral Bajatama Tbk
21	BTON	Betonjaya Manunggal Tbk
22	CTBN	Citra Tubindo Tbk
23	GDST	Gunawan Dianjaya Steel Tbk
24	INAI	Indal Aluminium Industry Tbk
25	ISSP	Steel Pipe Industry of Indonesia Tbk
26	JKSW	Jakarta Kyoei Steel Works Tbk
27	KRAS	Krakatau Steel (Persero) Tbk
28	LION	Lion Metal Works Tbk
29	LMSH	Lionmesh Prima Tbk
30	NIKL	Pelat Timah Nusantara Tbk
31	PICO	Pelangi Indah Canindo Tbk
32	PURE	Trinitan Metals and Mineral Tbk
33	TBMS	Tembaga Mulia Semanan Tbk
34	AGII	Aneka Gas Industri Tbk
35	BRPT	Barito Pasific Tbk
36	DPNS	Duta Pertiwi Nusantara Tbk
37	EKAD	Ekadharna International Tbk

38	ETWA	Eterindo Wahanatama Tbk
39	INCI	Intan Wijaya International Tbk
40	MOLI	Madusari Murni Indah Tbk
41	SAMF	Saraswanti Anugerah Makmur Tbk
42	SRSN	Indo Acitama Tbk
43	TDPM	Tridomain Performance Materials
44	TPIA	Chandra Asri Petrochemical
45	UNIC	Unggul Indah Cahaya Tbk
46	AVIA	Avia Avian Tbk
47	ADMG	Polychem Indonesia Tbk
48	MDKI	Emdeki Utama Tbk
49	NPGF	Nusa Palapa Gemilang Tbk
50	SBMA	Surya Biru Murni Acetylene Tbk
51	OBMD	OBM Drilchem Tbk
52	AKPI	Argha Karya Prima Industry Tbk
53	APLI	Asiaplast Industries Tbk
54	BRNA	Berlina Tbk
55	EPAC	Megalestari Epack Sentosaraya Tbk
56	ESIP	Sinergi Inti Plastindo Tbk
57	FPNI	Lotte Chemical Titan Tbk
58	IGAR	Champion Pacific Indonesia Tbk
59	IMPC	Impack Pratama Industri Tbk
60	IPOL	Indopoly Swakarsa Industry Tbk
61	PBID	Panca Budi Idaman Tbk
62	SMKL	Satyamitra Kemas Lestari Tbk
63	TALF	Tunas Alfin Tbk
64	TRST	Trias Sentosa Tbk
65	YPAS	Yanaprima Hastapersada Tbk
66	CPIN	Charoen Pokphand Indonesia Tbk
67	CPRO	Central Proteina Prima Tbk
68	JPFA	Japfa Comfeed Indonesia Tbk
69	MAIN	Malindo Feedmill Tbk
70	SIPD	Sierad Produce Tbk
71	WMPP	Widodo Makmur Perkasa Tbk
72	IFII	Indonesia Fibreboard Industry Tbk
73	SINI	Singaraja Putra Tbk
74	SULI	SLJ Global Tbk
75	TIRT	Tirta Mahakam Resources Tbk
76	ALDO	Alkindo Naratama Tbk
77	FASW	Fajar Surya Wisesa Tbk
78	INKP	Indah Kiat Pulp & Paper Tbk

79	INRU	Toba Pulp Lestari Tbk
80	KBRI	Kertas Basuki Rachmat Indonesia Tbk
81	KDSI	Kedawung Setia Industrial Tbk
82	SPMA	Suparma Tbk
83	SWAT	Sriwahana Adityakarta Tbk
84	TKIM	Pabrik Kertas Tjiwi Kimia Tbk
85	DEPO	Caturkarda Depo Bangunana
86	INCF	Indo Komoditi Korpora Tbk
87	INOV	Inocycle Technology Group Tbk
88	KMTR	Kirana Megatara Tbk
89	KUAS	Ace Oldfields Tbk
90	AMIN	Ateliers Mecaniques D'Indonesie Tbk
91	ARKA	Arkha Jayanti Persada Tbk
92	GMFI	Garuda Maintenance Facility Aero Asia Tbk
93	KPAL	Steadfast Marine Tbk
94	KRAH	Grand Kartech Tbk
95	LABA	PT Ladangbaja Murni Tbk
96	NTBK	PT Nusatama Berkah Tbk
97	GPSO	PT Geoprima Solusi Tbk
98	HOPE	PT Harapan Duta Pertiwi Tbk
99	ASII	Astra International Tbk
100	AUTO	Astra Otoparts Tbk
101	BOLT	Garuda Metalindo Tbk
102	BRAM	Indo Kordsa Tbk
103	GDYR	Goodyear Indonesia Tbk
104	GJTL	Gajah Tunggal Tbk
105	IMAS	Indomobil Sukses Internasional Tbk
106	INDS	Indospring Tbk
107	LPIN	Multi Prima Sejahtera Tbk
108	MASA	Multistrada Arah Sarana Tbk
109	NIPS	Nipress Tbk
110	PRAS	Prima Alloy Steel Universal Tbk
111	SMSM	Selamat Sempurna Tbk
112	DRMA	PT Dharma Polimetal Tbk
113	ARGO	Argo Pantes Tbk
114	BELL	Trisula Textile Industries Tbk
115	CNTX	Century Textile Industry Tbk
116	ERTX	Eratex Djaja Tbk
117	ESTI	Ever Shine Tex Tbk
118	HDTX	Panasia Indo Resources Tbk

119	INDR	Indorama Synthetics Tbk
120	MYTX	Asia Pacific Investama Tbk
121	PBRX	Pan Brothers Tbk
122	POLY	Asia Pacific Fibers Tbk
123	POLU	Golden Flower Tbk IPO 26 Juni 2019
124	RICY	Ricky Putra Globalindo Tbk
125	SBAT	Sejahtera Bintang Abadi Textile
126	SRIL	Sri Rejeki Isman Tbk
127	SSTM	Sunson Textile Manufacture Tbk
128	STAR	Star Petrochem Tbk
129	TFCO	Tifico Fiber Indonesia Tbk
130	TRIS	Trisula International Tbk
131	UCID	Uni Charm Indonesia Tbk
132	UNIT	Nusantara Inti Corpora Tbk
133	ZONE	Mega Perintis Tbk
134	BATA	Sepatu Bata Tbk
135	BIMA	Primarindo Asia Infrastructure Tbk
136	CCSI	Communication Cable Systems Indonesia Tbk
137	IKBI	Sumi Indo Kabel Tbk
138	JECC	Jembo Cable Company Tbk
139	KBLI	KMI Wire & Cable Tbk
140	KBLM	Kabelindo Murni Tbk
141	SCCO	Supreme Cable Manufacturing Corporation Tbk
142	VOKS	Voksel Electric Tbk
143	PTSN	Sat Nusapersada Tbk
144	JSKY	Sky Energy Indonesia Tbk
145	SCNP	Selaras Citra Nusantara Perkasa Tbk
146	SLIS	Gaya Abadi Sempurna Tbk
147	ADES	Akasha Wira International Tbk
148	AISA	Tiga Pilar Sejahtera Food Tbk
149	ALTO	Tri Banyan Tirta Tbk
150	BTEK	Bumi Teknokultura Unggul Tbk
151	CAMP	Campina Ice Cream Industry Tbk
152	CEKA	Cahaya Kalbar Tbk
153	CLEO	Sariguna Primatirta Tbk
154	COCO	Wahana Interfood Nusantara Tbk
155	DLTA	Delta Djakarta Tbk
156	DMND	Diamond Food Indonesia Tbk
157	ENZO	Morenzo Abadi Perkasa Tbk

158	FOOD	Sentra Food Indonesia Tbk
159	GOOD	Garudafood Putra Putri Jaya Tbk
160	HOKI	Buyung Poetra Sembada Tbk
161	ICBP	Indofood CBP Sukses Makmur Tbk
162	IIKP	Inti Agri Resources Tbk
163	IKAN	Era Mandiri Cemerlang Tbk
164	INDF	Indofood Sukses Makmur Tbk
165	KEJU	Mulia Boga Raya Tbk
166	MGNA	Magna Investama Mandiri Tbk
167	MLBI	Multi Bintang Indonesia Tbk
168	MYOR	Mayora Indah Tbk
169	PANI	Pratama Abadi Nusa Industri Tbk
170	PCAR	Prima Cakrawala Abadi Tbk
171	PMMP	Panca Mitra Multiperdana Tbk
172	PSDN	Prasidha Aneka Niaga Tbk
173	PSGO	Palma Serasih Tbk
174	ROTI	Nippon Indosari Corpindo Tbk
175	SKBM	Sekar Bumi Tbk
176	SKLT	Sekar Laut Tbk
177	STTP	Siantar Top Tbk
178	ULTJ	Ultra Jaya Milk Industry and Trading Company Tbk
179	CMRY	Cisarua Mountain Dairy Tbk
180	WMUU	Widodo Makmur Unggas Tbk
181	BUDI	Budi Starch & Sweetener Tbk
182	IBOS	PT Indo Boga Sukses Tbk
183	NASI	Wahana Inti Makmur Tbk
184	BOBA	Formosa Ingredient Factory Tbk
185	TAYS	Jaya Swarasa Agung Tbk
186	GGRM	Gudang Garam Tbk
187	HMSP	Hanjaya Mandala Sampoerna Tbk
188	ITIC	Indonesian Tobacco Tbk
189	RMBA	Bentoel Internasional Investama Tbk
190	WIIM	Wismilak Inti Makmur Tbk
191	DVLA	Darya Varia Laboratoria Tbk
192	INAF	Indofarma Tbk
193	KAEF	Kimia Farma Tbk
194	KLBF	Kalbe Farma Tbk
195	MERK	Merck Indonesia Tbk
196	PEHA	Phapros Tbk
197	PYFA	Pyridam Farma Tbk

198	SCPI	Merck Sharp Dohme Pharma Tbk
199	SIDO	Industri Jamu dan Farmasi Sido Tbk
200	SOHO	Soho Global Health Tbk
201	TSPC	Tempo Scan Pacific Tbk
202	KINO	Kino Indonesia Tbk
203	KPAS	Cottonindo Ariesta Tbk
204	MBTO	Martina Berto Tbk
205	MRAT	Mustika Ratu Tbk
206	TCID	Mandom Indonesia Tbk
207	UNVR	Unilever Indonesia Tbk
208	VICI	Victoria Care Indonesia Tbk
209	NANO	PT Nanotech Indonesia Global Tbk
210	FLMC	Falmaco Nonwoven Industri Tbk
211	CBMF	Cahaya Bintang Medan Tbk
212	CINT	Chitose International Tbk
213	KICI	Kedaung Indah Can Tbk
214	LMPI	Langgeng Makmur Industri Tbk
215	SOFA	Boston Furniture Industries
216	WOOD	Integra Indocabinet Tbk
217	MGLV	PT Panca Anugrah Wisesa Tbk
218	HRTA	Hartadinata Abadi Tbk
219	TOYS	Sunindo Adipersada Tbk
220	BIKE	PT Sepeda Bersama Indonesia Tbk

Lampiran 2

NO	KODE	ALIRAN KAS	LEVERAGE	BOOK TAX	UKURAN PERUSAHAAN	PERSISTENSI LABA
1	INTP	28.89	0.20	0.00	30.95	-63865758.45
2	SMBR	25.20	0.60	0.01	29.35	-96915420.98
3	WTON	27.75	1.95	-0.02	29.97	47900369.91
4	CAKK	24.51	0.49	0.00	26.52	-73578911.4
5	MARK	24.60	0.32	0.00	26.52	-43755968.83
6	MLIA	25.89	1.27	0.00	29.38	-92650454.11

7	BAJA	25.10	10.28	-0.01	27.45	15441325.62
8	BTON	23.94	0.25	0.00	26.16	-86145744.92
9	AGII	26.74	1.13	0.00	29.58	-54885178.22
10	DPNS	21.48	0.13	0.00	26.49	-68498743.84
11	EKAD	25.47	0.14	0.00	27.60	-47926646.27
12	MDKI	24.44	0.11	0.00	27.55	-59541844.83
13	IGAR	25.43	0.15	0.00	27.15	-40467020.88
14	IMPC	25.64	0.78	0.00	28.55	-57932061.03
15	PBID	27.03	0.40	0.00	28.48	-84582950.34
16	SMKL	24.77	1.42	0.02	28.18	-87364905.36
17	TALF	24.03	0.32	0.00	27.92	-79104884.5
18	TRST	25.45	1.00	0.01	29.10	-77541437.28
19	CPIN	29.35	0.39	0.00	30.63	-63640999.06
20	JPFA	28.27	1.24	0.00	30.91	-64678063.83
21	IFII	25.44	0.13	0.00	27.73	-54487079.67
22	ALDO	25.32	0.73	0.00	27.55	-21110224.46
23	FASW	27.74	0.77	0.00	30.01	-245951378.5
24	SPMA	25.45	0.72	-0.01	28.49	-1020544.019
25	ASII	30.58	0.88	0.00	33.49	-40083121.9
26	GJTL	27.86	2.02	0.00	30.57	265326967.7
27	LPIN	23.50	0.07	0.00	26.51	-61638062.19
28	SMSM	27.24	0.27	0.00	28.76	55699717.96
29	STAR	25.05	0.18	0.00	27.09	1744358637
30	UCID	26.80	0.92	0.00	29.75	185763472.7
31	ADES	25.94	0.45	0.01	27.44	-24195949.82
32	CAMP	25.79	0.13	0.00	27.69	-38674916.31
33	CLEO	26.07	0.62	-0.01	27.85	14247555.35
34	DLTA	26.34	0.18	0.00	27.99	-23522249.93
35	DMND	26.79	1.78	0.00	29.35	-46726601.79
36	GOOD	26.89	0.83	0.00	27.47	22979665.12
37	HOKI	25.38	0.32	0.00	27.47	-37209207.05
38	ICBP	29.63	0.45	0.00	31.29	-63214565.84
39	INDF	30.22	0.77	0.00	32.20	-62919762
40	KEJU	25.31	0.53	-0.01	27.23	-21910869.29
41	MLBI	27.92	1.53	0.00	28.69	-64559266.18
42	MYOR	28.83	0.92	0.00	30.58	-63499425.38
43	ROTI	26.90	0.51	0.00	29.17	67734713.67
44	SKLT	24.74	1.08	0.01	29.25	-45957204.35
45	STTP	26.94	0.34	0.00	28.69	209176577.1
46	ULTJ	27.72	0.17	0.00	29.52	-63962444.65
47	BUDI	26.33	1.33	0.00	28.73	-42022435.92

48	GGRM	30.04	0.54	0.00	32.00	-60257581.46
49	HMSP	30.47	1.02	0.00	31.56	-62116182.54
50	WIIM	26.02	0.40	0.00	27.89	-79268156.55
51	KLBF	27.61	0.21	0.00	30.64	-64268978.16
52	SCPI	26.70	1.30	0.00	27.98	-56066049.81
53	SIDO	29.76	0.15	0.00	28.89	-64499250.48
54	TSPC	27.51	0.45	0.00	29.76	88388565.74
55	UNVR	29.79	2.91	0.00	30.66	-64799065.63
56	INTP	28.89	0.23	0.00	30.94	129174382.7
57	SMBR	26.70	0.68	0.00	29.38	77599476.21
58	WTON	27.41	1.51	0.00	29.77	-844249769.3
59	CAKK	23.76	0.57	0.00	26.60	127017167.6
60	MARK	26.11	0.76	0.00	27.30	86188288.78
61	MLIA	26.71	1.15	0.00	29.38	-86326152.8
62	BAJA	26.09	4.95	0.01	27.36	184041051.7
63	BTON	23.74	0.24	0.00	26.18	132860724.8
64	AGII	26.62	1.11	0.00	29.59	8663771.242
65	DPNS	23.18	0.11	-0.01	26.48	125246260.5
66	EKAD	26.17	0.14	0.00	27.71	60726793.99
67	MDKI	24.86	0.09	0.00	27.60	100711014.2
68	IGAR	25.06	0.12	0.00	27.22	61207116.21
69	IMPC	26.15	0.84	0.00	28.62	46735330.22
70	PBID	27.01	0.26	0.00	28.52	23874183.57
71	SMKL	25.65	1.28	0.00	28.15	141656891
72	TALF	24.89	0.45	0.00	28.02	90737865.58
73	TRST	26.50	0.86	0.01	29.07	120881774.7
74	CPIN	29.49	0.33	0.00	31.07	124510821.9
75	JPFA	29.04	1.27	0.00	30.89	128679426
76	IFII	25.93	0.07	0.00	27.70	77401169.58
77	ALDO	25.51	0.62	0.00	27.58	27936200.65
78	FASW	26.84	0.66	-0.01	30.07	-1598596480
79	SPMA	26.86	0.51	0.00	28.47	12003978.93
80	ASII	31.26	0.73	0.00	33.45	92617062.25
81	GJTL	28.59	1.59	0.00	30.51	-128709344.7
82	LPIN	23.51	0.09	0.00	26.55	385865983.5
83	SMSM	27.57	0.27	0.00	28.85	-703575270.5
84	STAR	25.17	0.00	0.00	26.93	1741987655
85	UCID	28.02	0.70	0.00	29.67	-414748327.9
86	ADES	26.16	0.37	0.00	27.59	86640828.68
87	CAMP	26.03	0.13	0.00	27.71	10228460.93
SS88	CLEO	26.15	0.47	-0.01	27.90	-17212304.21

89	DLTA	26.23	0.20	0.00	27.83	-428945347
90	DMND	26.98	0.22	0.00	29.37	-347462827
91	GOOD	27.44	1.27	0.00	27.53	-560574998.5
92	HOKI	25.08	0.37	0.00	27.53	-52820184.44
93	ICBP	29.86	1.06	0.00	32.27	127204176.4
94	INDF	30.26	1.06	0.00	32.73	127370137.1
95	KEJU	26.08	0.53	0.01	27.24	41383159.59
96	MLBI	27.49	1.03	-0.01	28.70	129006395.8
97	MYOR	28.94	0.75	0.00	30.62	127596784.7
98	ROTI	26.91	0.38	0.00	29.12	-208904298.8
99	SKLT	25.33	0.90	0.01	29.51	77148139.94
100	STTP	27.55	0.29	0.00	28.87	-278269732.4
101	ULTJ	27.83	0.83	0.00	29.80	129467598.4
102	BUDI	25.99	1.24	0.00	28.72	60679011.69
103	GGRM	30.49	0.34	0.00	31.99	115556492.1
104	HMSP	30.11	1.18	0.00	31.54	110378600
105	WIIM	26.10	0.44	1.00	28.11	245031432.3
106	KLBF	29.07	0.23	0.00	30.75	128657221.7
107	SCPI	26.35	0.92	0.00	28.10	107326023.6
108	SIDO	27.67	0.19	0.00	28.98	130513241.6
109	TSPC	27.61	0.43	0.00	29.84	-314692938.2
110	UNVR	29.75	3.16	0.00	30.65	122575880.8
111	INTP	28.59	0.27	0.00	30.89	-159455373.5
112	SMBR	26.65	0.68	0.00	29.39	-109606217.6
113	WTON	24.52	1.59	0.00	29.82	-82185764.98
114	CAKK	23.98	0.84	0.00	26.81	-149007498.8
115	MARK	27.50	0.45	0.00	27.71	228117298.7
116	MLIA	27.50	0.80	0.00	29.44	484962455.8
117	BAJA	25.58	2.39	-0.01	27.31	-73760644.37
118	BTON	23.11	0.37	0.00	26.32	-151660380.9
119	AGII	27.13	1.28	-0.01	29.73	48321200.01
120	DPNS	19.82	0.18	0.00	26.62	-138531852.4
121	EKAD	24.54	7.62	0.00	27.78	-54596316.19
122	MDKI	24.12	0.09	0.00	27.62	-123142366
123	IGAR	26.23	0.71	0.00	28.68	-58364093.29
124	IMPC	26.23	0.71	0.00	28.68	43113006.63
125	PBID	25.67	0.23	0.00	28.66	244027826
126	SMKL	25.26	1.35	0.00	28.28	-55693657.7
127	TALF	23.91	0.50	0.00	28.08	-139132925.3
128	TRST	25.02	0.88	0.00	29.16	38332524.95
129	CPIN	28.38	0.41	0.00	31.20	-157433528.7

130	JPFA	27.28	1.18	0.00	30.98	-159101530.3
131	IFII	25.72	0.07	0.00	27.78	-80299860.81
132	ALDO	25.02	0.72	0.00	27.82	-61716674.6
133	FASW	25.87	1.61	0.00	30.22	446799895.3
134	SPMA	27.40	1.95	-0.02	28.64	129934824.9
135	ASII	31.28	0.70	0.00	33.54	-135986121.7
136	GJTL	26.41	1.65	0.00	30.55	-87556839.49
137	LPIN	21.26	0.09	0.00	26.46	-87556839.49
138	SMSM	26.92	3.04	0.00	28.98	556498604
139	STAR	25.53	0.00	0.00	26.95	-264419447.3
140	UCID	27.40	0.59	-0.01	29.68	307775763.1
141	ADES	26.45	0.34	0.00	27.90	101890749.1
142	CAMP	26.09	0.12	0.00	27.77	-62004304
143	CLEO	26.44	2.89	-0.01	27.93	16903484.43
144	DLTA	26.54	0.30	-0.01	27.90	24367036.21
145	DMND	20.16	0.25	0.00	29.47	186236064.7
146	GOOD	27.29	1.23	0.00	27.62	326620536.5
147	HOKI	23.36	0.48	0.00	27.62	-149420206.9
148	ICBP	29.71	1.16	0.00	32.40	-153453475.1
149	INDF	30.32	1.07	0.00	32.82	-150176281.9
150	KEJU	25.31	0.31	-0.01	27.37	-18877414.47
151	MLBI	27.79	1.66	0.00	28.70	-160548235
152	MYOR	27.67	1.33	0.00	30.62	-160038531.6
153	ROTI	27.19	0.47	0.00	29.06	116830790.2
154	SKLT	25.57	1.56	0.00	29.54	-77516888.09
155	STTP	27.55	0.19	0.00	29.00	309073463.3
156	ULTJ	27.98	0.44	0.00	29.63	-159953435.7
157	BUDI	26.18	1.16	0.00	28.73	-70799182.77
158	GGRM	29.30	0.52	0.00	32.13	-155752923
159	HMSP	29.96	0.62	0.00	31.60	-154239427.8
160	WIIM	25.92	0.45	1.00	28.27	12290829.04
161	KLBF	28.67	0.21	0.00	30.88	-158031311
162	SCPI	26.86	0.25	0.00	27.82	-46792465.83
163	SIDO	30.12	0.02	0.00	29.03	-159965891.5
164	TSPC	27.26	0.40	0.00	29.90	700272170.7
165	UNVR	29.93	3.41	0.00	30.58	-155590615.5