33	SPMA	Suparma Tbk.
34	SRSN	Indo Acidatama Tbk
35	TALF	Tunas Alfin Tbk.
36	TIRT	Tirta Mahakam Resources Tbk
37	TRST	Trias Sentosa Tbk.
38	WTON	Wijaya Karya Beton Tbk.
39	YPAS	Yanaprima Hastapersada Tbk
40	WSBP	Waskita Beton Precast Tbk.
41	KMTR	Kirana Megatara Tbk.
42	MDKI	Emdeki Utama Tbk.
43	ZINC	Kapuas Prima Coal Tbk.
44	PBID	Panca Budi Idaman Tbk.
45	MOLI	Madusari Murni Indah Tbk.
46	SMKL	Satyamitra Kemas Lestari Tbk.
47	ESIP	Sinergi Inti Plastindo Tbk.
48	IFII	Indonesia Fibreboard Industry
49	SAMF	Saraswanti Anugerah Makmur Tbk
50	EPAC	Megalestari Epack Sentosaraya
51	SBMA	Surya Biru Murni Acetylene Tbk
52	CMNT	Cemindo Gemilang Tbk.
53	OBMD	OBM Drilchem Tbk.
54	AVIA	Avia Avian Tbk.
55	KKES	Kusuma Kemindo Sentosa Tbk.
56	AISA	FKS Food Sejahtera Tbk.
57	BTEK	Bumi Teknokultura Unggul Tbk
58	BUDI	Budi Starch & Sweetener Tbk.
59	CEKA	Wilmar Cahaya Indonesia Tbk.
60	CPIN	Charoen Pokphand Indonesia Tbk
61	CPRO	Central Proteina Prima Tbk.
62	DLTA	Delta Djakarta Tbk.
63	GGRM	Gudang Garam Tbk.
64	HMSP	H.M. Sampoerna Tbk.
65	ICBP	Indofood CBP Sukses Makmur Tbk
66	INDF	Indofood Sukses Makmur Tbk.

67	JPFA	Japfa Comfeed Indonesia Tbk.
68	MAIN	Malindo Feedmill Tbk.
69	MBTO	Martina Berto Tbk.
70	MLBI	Multi Bintang Indonesia Tbk.
71	MRAT	Mustika Ratu Tbk.
72	MYOR	Mayora Indah Tbk.
73	PSDN	Prasidha Aneka Niaga Tbk
74	ROTI	Nippon Indosari Corpindo Tbk.
75	SIPD	Sreeya Sewu Indonesia Tbk.
76	SKBM	Sekar Bumi Tbk.
77	SKLT	Sekar Laut Tbk.
78	STTP	Siantar Top Tbk.
79	TBLA	Tunas Baru Lampung Tbk.
80	TCID	Mandom Indonesia Tbk.
81	ULTJ	Ultrajaya Milk Industry & Trad
82	UNVR	Unilever Indonesia Tbk.
83	WIIM	Wismilak Inti Makmur Tbk.
84	KINO	Kino Indonesia Tbk.
85	CLEO	Sariguna Primatirta Tbk.
86	HOKI	Buyung Poetra Sembada Tbk.
87	CAMP	Campina Ice Cream Industry Tbk
88	PCAR	Prima Cakrawala Abadi Tbk.
89	GOOD	Garudafood Putra Putri Jaya Tb
90	FOOD	Sentra Food Indonesia Tbk.
91	BEEF	Estika Tata Tiara Tbk.
92	COCO	Wahana Interfood Nusantara Tbk
93	KEJU	Mulia Boga Raya Tbk.
94	PSGO	Palma Serasih Tbk.
95	UCID	Uni-Charm Indonesia Tbk.
96	DMND	Diamond Food Indonesia Tbk.
97	IKAN	Era Mandiri Cemerlang Tbk.
98	PNGO	Pinago Utama Tbk.
99	ENZO	Morenzo Abadi Perkasa Tbk.
100	VICI	Victoria Care Indonesia Tbk.

101	WMUU	Widodo Makmur Unggas Tbk.
102	FLMC	Falmaco Nonwoven Industri Tbk.
103	BOBA	Formosa Ingredient Factory Tbk
104	CMRY	Cisarua Mountain Dairy Tbk.
105	WMPP	Widodo Makmur Perkasa Tbk.
106	IBOS	Indo Boga Sukses Tbk.
107	AMFG	Asahimas Flat Glass Tbk.
108	AMIN	Ateliers Mecaniques D Indonesia
109	ARNA	Arwana Citramulia Tbk.
110	ASII	Astra International Tbk.
111	CTTH	Citatah Tbk.
112	IMPC	Impack Pratama Industri Tbk.
113	JECC	Jembo Cable Company Tbk.
114	KBLI	KMI Wire & Cable Tbk.
115	KBLM	Kabelindo Murni Tbk.
116	KIAS	Keramika Indonesia Assosiasi T
117	LION	Lion Metal Works Tbk.
118	MLIA	Mulia Industrindo Tbk
119	SCCO	Supreme Cable Manufacturing &
120	TOTO	Surya Toto Indonesia Tbk.
121	VOKS	Voksel Electric Tbk.
122	MARK	Mark Dynamics Indonesia Tbk.
123	CAKK	Cahayaputra Asa Keramik Tbk.
124	CCSI	Communication Cable Systems In
125	SINI	Singaraja Putra Tbk.
126	HOPE	Harapan Duta Pertiwi Tbk.
127	GPSO	Geoprima Solusi Tbk.
128	KUAS	Ace Oldfields Tbk.
129	NTBK	Nusatama Berkah Tbk.
130	AUTO	Astra Otoparts Tbk.
131	BIMA	Primarindo Asia Infrastructure
132	BOLT	Garuda Metalindo Tbk.
133	CINT	Chitose Internasional Tbk.
134	GJTL	Gajah Tunggal Tbk.

135	IIKP	Inti Agri Resources Tbk
136	IMAS	Indomobil Sukses Internasional
137	INDS	Indospring Tbk.
138	KICI	Kedaung Indah Can Tbk
139	LMPI	Langgeng Makmur Industri Tbk.
140	LPIN	Multi Prima Sejahtera Tbk
141	MGNA	Magna Investama Mandiri Tbk.
142	MYTX	Asia Pacific Investama Tbk.
143	RICY	Ricky Putra Globalindo Tbk
144	SMSM	Selamat Sempurna Tbk.
145	TRIS	Trisula International Tbk.
146	WOOD	Integra Indocabinet Tbk.
147	HRTA	Hartadinata Abadi Tbk.
148	BELL	Trisula Textile Industries Tbk
149	ZONE	Mega Perintis Tbk.
150	POLU	Golden Flower Tbk.
151	INOV	Inocycle Technology Group Tbk.
152	SLIS	Gaya Abadi Sempurna Tbk.
153	SCNP	Selaras Citra Nusantara Perkas
154	MGLV	Panca Anugrah Wisesa Tbk.
155	DEPO	Caturkarda Depo Bangunan Tbk.
156	DRMA	Dharma Polimetal Tbk.
157	BIKE	Sepeda Bersama Indonesia Tbk.
158	PEVE	Penta Valent Tbk.
159	ALMI	Alumindo Light Metal Industry
160	BRPT	Barito Pacific Tbk.
161	CTBN	Citra Tubindo Tbk.
162	FPNI	Lotte Chemical Titan Tbk.
163	INKP	Indah Kiat Pulp & Paper Tbk.
164	IPOL	Indopoly Swakarsa Industry Tbk
165	KRAS	Krakatau Steel (Persero) Tbk.
166	MDKA	Merdeka Copper Gold Tbk.
167	NIKL	Pelat Timah Nusantara Tbk.
168	PICO	Pelangi Indah Canindo Tbk

169	SULI	SLJ Global Tbk.
170	TBMS	Tembaga Mulia Semanan Tbk.
171	TKIM	Pabrik Kertas Tjiwi Kimia Tbk.
172	TPIA	Chandra Asri Pacific Tbk.
173	GGRP	Gunung Raja Paksi Tbk.
174	ARCI	Archi Indonesia Tbk.
175	CHEM	Chemstar Indonesia Tbk.
176	PDPP	Primadaya Plastisindo Tbk.
177	ADMG	Polychem Indonesia Tbk
178	NASI	Wahana Inti Makmur Tbk.
179	NANO	Nanotech Indonesia Global Tbk.
180	TRGU	Cerestar Indonesia Tbk.
181	DEWI	Dewi Shri Farmindo Tbk.
182	GULA	Aman Agrindo Tbk.
183	AMMS	Agung Menjangan Mas Tbk.
184	EURO	Estee Gold Feet Tbk.
185	BEER	Jobubu Jarum Minahasa Tbk.
186	WINE	Hatten Bali Tbk.
187	NAYZ	Hassana Boga Sejahtera Tbk.
188	ARGO	Argo Pantes Tbk
189	BRAM	Indo Kordsa Tbk.
190	ERTX	Eratex Djaja Tbk.
191	ESTI	Ever Shine Tex Tbk.
192	GDYR	Goodyear Indonesia Tbk.
193	INDR	Indo-Rama Synthetics Tbk.
194	ISAP	Isra Presisi Indonesia Tbk.
195	POLY	Asia Pacific Fibers Tbk

LAMPIRAN 2 Tabulasi Data

Nama Perusahaan	Tahun	AD	UP	LRO	X3	OGC
Darya-Varia Laboratoria Tbk.	2021	103	28.36478771	1	0.33198686	0
Darya-Varia Laboratoria Tbk.	2022	87	28.32872763	1	0.30138221	0
Darya-Varia Laboratoria Tbk.	2023	81	28.34503498	1	0.31228505	0
Darya-Varia Laboratoria Tbk.	2024	78	28.40184119	1	0.32965721	0
Darya-Varia Laboratoria Tbk.	2025	76	28.48554953	1	0.37035794	0
Kimia Farma Tbk.	2021	80	30.50798084	1	0.59280444	0
Kimia Farma Tbk.	2022	66	30.61656782	0	0.59576576	0
Kimia Farma Tbk.	2023	152	30.44227147	0	0.71268555	0
Kimia Farma Tbk.	2024	188	30.3342962	0	0.77031862	0
Kimia Farma Tbk.	2025	90	30.28307776	0	0.80712015	0
Kalbe Farma Tbk.	2021	88	30.87621302	1	0.17145829	0
Kalbe Farma Tbk.	2022	87	30.9357558	1	0.18883028	0
Kalbe Farma Tbk.	2023	87	30.92898787	1	0.14552476	0
Kalbe Farma Tbk.	2024	86	31.01302644	1	0.16443557	0
Kalbe Farma Tbk.	2025	85	31.05526253	1	0.1944942	0
Merck Tbk.	2021	89	27.65694893	1	0.33346402	0
Merck Tbk.	2022	88	27.667977	1	0.2702321	0
Merck Tbk.	2023	87	27.58791956	1	0.16906758	0
Merck Tbk.	2024	86	27.58700311	1	0.15639819	0
Merck Tbk.	2025	89	27.87177068	1	0.23305103	0
Pyridam Farma Tbk	2021	96	27.41562445	1	0.79273618	0
Pyridam Farma Tbk	2022	90	27.61038583	1	1.10069151	0
Pyridam Farma Tbk	2023	59	28.05450257	0	0.7662104	0
Pyridam Farma Tbk	2024	90	29.39078937	0	0.82110998	0

Pyridam Farma Tbk	2025	90	29.54368916	0	0.85450266	0
Organon Pharma Indonesia Tbk.	2021	90	27.82342546	1	0.19767025	0
Organon Pharma Indonesia Tbk.	2022	90	27.93955473	1	0.27624676	0
Organon Pharma Indonesia Tbk.	2023	90	27.98262618	1	0.40869643	0
Organon Pharma Indonesia Tbk.	2024	77	28.12325785	1	0.36856827	0
Organon Pharma Indonesia Tbk.	2025	85	28.45354434	1	0.41527252	0
Industri Jamu dan Farmasi Sido	2021	36	29.03441101	1	0.1469131	0
Industri Jamu dan Farmasi Sido	2022	39	29.03747147	1	0.14111851	0
Industri Jamu dan Farmasi Sido	2023	50	28.98961175	1	0.12973609	0
Industri Jamu dan Farmasi Sido	2024	65	29.00210666	1	0.11467614	0
Industri Jamu dan Farmasi Sido	2025	57	28.93444325	1	0.15248779	0
Tempo Scan Pacific Tbk.	2021	73	29.89739095	1	0.28711208	0
Tempo Scan Pacific Tbk.	2022	83	30.05838464	1	0.33350036	0
Tempo Scan Pacific Tbk.	2023	86	30.05721498	1	0.2872191	0
Tempo Scan Pacific Tbk.	2024	83	30.15588453	1	0.26730019	0
Tempo Scan Pacific Tbk.	2025	86	30.2025065	1	0.26175436	0
Phapros Tbk.	2021	77	28.23999251	1	0.59697502	0
Phapros Tbk.	2022	66	28.22229113	1	0.57270431	0
Phapros Tbk.	2023	67	28.20127086	1	0.61737251	0
Phapros Tbk.	2024	120	27.98872308	0	0.72509683	0
Phapros Tbk.	2025	86	27.95829133	1	0.6918904	0
Soho Global Health Tbk.	2021	90	29.02278027	1	0.45093598	0
Soho Global Health Tbk.	2022	88	29.12943785	1	0.45748099	0
Soho Global Health Tbk.	2023	86	29.18852553	1	0.49460328	0
Soho Global Health Tbk.	2024	84	29.31964408	1	0.49829925	0
Soho Global Health Tbk.	2025	83	29.44868986	1	0.58051036	0
Argha Karya Prima Industry Tbk	2021	84	28.83571576	1	0.55897922	0

Argha Karya Prima Industry Tbk	2022	74	28.90932505	1	0.51381934	0
Argha Karya Prima Industry Tbk	2023	87	28.84044982	0	0.50711768	0
Argha Karya Prima Industry Tbk	2024	86	28.84123199	1	0.48288906	0
Argha Karya Prima Industry Tbk	2025	89	28.92221785	1	0.51146218	0
Alkindo Naratama Tbk.	2021	66	27.82231021	1	0.41906419	0
Alkindo Naratama Tbk.	2022	88	28.08133654	1	0.51226061	0
Alkindo Naratama Tbk.	2023	87	28.19160933	1	0.53762833	0
Alkindo Naratama Tbk.	2024	87	28.34724071	1	0.49832236	0
Alkindo Naratama Tbk.	2025	89	28.36730146	1	0.49403685	0
Alakasa Industrindo Tbk	2021	84	26.9366593	1	0.74204182	0
Alakasa Industrindo Tbk	2022	88	27.18309642	1	0.71238745	0
Alakasa Industrindo Tbk	2023	88	26.55145756	1	0.38671992	0
Alakasa Industrindo Tbk	2024	86	26.136008	0	0.05499458	0
Alakasa Industrindo Tbk	2025	89	26.23993988	1	0.06326657	0
Asiaplast Industries Tbk.	2021	116	26.79002488	1	0.46430528	0
Asiaplast Industries Tbk.	2022	89	26.87289133	1	0.4046319	0
Asiaplast Industries Tbk.	2023	87	26.91870521	1	0.31937897	0
Asiaplast Industries Tbk.	2024	85	26.86445853	1	0.26052931	0
Asiaplast Industries Tbk.	2025	85	26.87734878	1	0.25547595	0
Saranacentral Bajatama Tbk.	2021	101	27.31013607	1	0.70166098	0
Saranacentral Bajatama Tbk.	2022	88	27.31814616	0	0.84933233	0
Saranacentral Bajatama Tbk.	2023	88	27.3109694	0	0.84711559	0
Saranacentral Bajatama Tbk.	2024	85	27.28087779	0	0.91886915	0
Saranacentral Bajatama Tbk.	2025	86	27.25220072	0	0.96892277	0
Berlina Tbk.	2021	119	28.33443554	0	0.578829	0
Berlina Tbk.	2022	88	28.25693798	0	0.61555349	0
Berlina Tbk.	2023	88	28.17421516	0	0.62666876	1

Berlina Tbk.	2024	86	28.41326354	0	0.54871394	1
Berlina Tbk.	2025	85	28.44141899	1	0.55047	0
Betonjaya Manunggal Tbk.	2021	111	26.3241645	1	0.26934665	0
Betonjaya Manunggal Tbk.	2022	88	26.56551375	1	0.30865496	0
Betonjaya Manunggal Tbk.	2023	88	26.6138406	1	0.28862098	0
Betonjaya Manunggal Tbk.	2024	86	26.70645557	1	0.29504946	0
Betonjaya Manunggal Tbk.	2025	89	26.82074951	1	0.00031647	0
Colorpak Indonesia Tbk.	2021	116	27.37487246	1	0.34582261	0
Colorpak Indonesia Tbk.	2022	86	27.35638114	1	0.31282387	0
Colorpak Indonesia Tbk.	2023	87	27.37806539	1	0.2843202	0
Colorpak Indonesia Tbk.	2024	85	27.40994754	1	0.2848538	0
Colorpak Indonesia Tbk.	2025	86	27.4697063	1	0.29505427	0
Ekadharma International Tbk.	2021	95	27.78422685	1	0.1159655	0
Ekadharma International Tbk.	2022	86	27.83093034	1	0.08879797	0
Ekadharma International Tbk.	2023	87	27.85197483	1	0.07977825	0
Ekadharma International Tbk.	2024	85	27.88936449	1	0.07959858	0
Ekadharma International Tbk.	2025	86	27.94838372	1	0.08294304	0
Fajar Surya Wisesa Tbk.	2021	45	30.21895236	1	0.61470172	0
Fajar Surya Wisesa Tbk.	2022	45	30.18652959	1	0.61084657	0
Fajar Surya Wisesa Tbk.	2023	40	30.16035477	0	0.65219355	0
Fajar Surya Wisesa Tbk.	2024	143	30.16959262	0	0.7376899	0
Fajar Surya Wisesa Tbk.	2025	41	30.13488338	0	0.530742	0
Gunawan Dianjaya Steel Tbk.	2021	109	28.09095548	0	0.50246008	0
Gunawan Dianjaya Steel Tbk.	2022	88	28.37602356	1	0.49685746	0
Gunawan Dianjaya Steel Tbk.	2023	88	28.4321834	1	0.42826366	0
Gunawan Dianjaya Steel Tbk.	2024	85	28.64461102	1	0.50781473	0
Gunawan Dianjaya Steel Tbk.	2025	86	28.88255614	1	0.59656008	0

Champion Pacific Indonesia Tbk	2021	90	27.41952396	1	0.14567233	0
Champion Pacific Indonesia Tbk	2022	73	27.48442018	1	0.08882122	0
Champion Pacific Indonesia Tbk	2023	78	27.53539947	1	0.08469492	0
Champion Pacific Indonesia Tbk	2024	80	27.60229705	1	0.08009952	0
Champion Pacific Indonesia Tbk	2025	75	27.63796437	1	0.11355628	0
Indal Aluminium Industry Tbk.	2021	102	27.77781645	1	1.00351613	0
Indal Aluminium Industry Tbk.	2022	89	27.80978843	0	1.05149168	0
Indal Aluminium Industry Tbk.	2023	88	28.02094802	0	0.81452428	1
Indal Aluminium Industry Tbk.	2024	84	27.84700558	0	0.84202041	1
Indal Aluminium Industry Tbk.	2025	86	27.81186513	0	0.92491631	1
Intanwijaya Internasional Tbk	2021	84	26.95904543	1	0.25678339	0
Intanwijaya Internasional Tbk	2022	88	26.929863	1	0.1593516	0
Intanwijaya Internasional Tbk	2023	87	26.92289811	1	0.11362632	0
Intanwijaya Internasional Tbk	2024	85	26.97420342	1	1.15810273	0
Intanwijaya Internasional Tbk	2025	86	27.0496404	1	0.14427004	0
Indocement Tunggal Prakarsa Tb	2021	82	30.89433915	1	0.21101645	0
Indocement Tunggal Prakarsa Tb	2022	86	30.87775212	1	0.2388245	0
Indocement Tunggal Prakarsa Tb	2023	81	31.02047127	1	0.29275676	0
Indocement Tunggal Prakarsa Tb	2024	80	31.0461216	1	0.27303269	0
Indocement Tunggal Prakarsa Tb	2025	90	31.08813694	1	0.26862569	0
Steel Pipe Industry of Indones	2021	78	29.59073865	1	0.46640254	0
Steel Pipe Industry of Indones	2022	89	29.63330228	1	0.44037623	0
Steel Pipe Industry of Indones	2023	72	29.70691989	1	0.42065791	0
Steel Pipe Industry of Indones	2024	73	29.74672552	1	0.39198416	0
Steel Pipe Industry of Indones	2025	44	29.80536025	1	0.35503407	0
Kedawung Setia Industrial Tbk.	2021	92	27.93398736	1	0.48184524	0
Kedawung Setia Industrial Tbk.	2022	146	27.88505187	1	0.42763374	0

Kedawung Setia Industrial Tbk.	2023	82	27.7519272	1	0.30497793	0
Kedawung Setia Industrial Tbk.	2024	79	27.75501584	1	0.27108553	0
Kedawung Setia Industrial Tbk.	2025	62	27.82230814	1	0.34472026	0
Lionmesh Prima Tbk.	2021	115	25.70316456	1	0.20550958	0
Lionmesh Prima Tbk.	2022	87	25.60908493	0	0.15734092	0
Lionmesh Prima Tbk.	2023	87	25.55281675	0	0.16315078	0
Lionmesh Prima Tbk.	2024	84	25.50328033	0	0.17778262	0
Lionmesh Prima Tbk.	2025	89	25.41188808	0	0.14710611	0
Lautan Luas Tbk.	2021	89	29.45846734	1	0.5596837	0
Lautan Luas Tbk.	2022	89	29.43834861	1	0.50990435	0
Lautan Luas Tbk.	2023	72	29.3588712	1	0.47178842	0
Lautan Luas Tbk.	2024	66	29.43279428	1	0.48341161	0
Lautan Luas Tbk.	2025	65	29.53044175	1	0.50518077	0
Semen Baturaja (Persero) Tbk.	2021	46	29.29342213	1	0.43091945	0
Semen Baturaja (Persero) Tbk.	2022	66	29.2878625	1	0.41344662	0
Semen Baturaja (Persero) Tbk.	2023	67	29.21138662	1	0.34885984	0
Semen Baturaja (Persero) Tbk.	2024	84	29.22182384	1	0.33405593	0
Semen Baturaja (Persero) Tbk.	2025	86	29.19390831	1	0.28494709	0
Solusi Bangun Indonesia Tbk.	2021	53	30.69865643	1	0.47889535	0
Solusi Bangun Indonesia Tbk.	2022	54	30.69340733	1	0.44523552	0
Solusi Bangun Indonesia Tbk.	2023	67	30.73141692	1	0.43690003	0
Solusi Bangun Indonesia Tbk.	2024	85	30.67774836	1	0.38639675	0
Solusi Bangun Indonesia Tbk.	2025	86	30.64555066	1	0.35206367	0
Semen Indonesia (Persero) Tbk.	2021	56	32.03488662	1	0.45385529	0
Semen Indonesia (Persero) Tbk.	2022	69	32.04937982	1	0.40103733	0
Semen Indonesia (Persero) Tbk.	2023	68	32.03554929	1	0.3882834	0
Semen Indonesia (Persero) Tbk.	2024	86	31.97473669	1	0.34595148	0

Semen Indonesia (Persero) Tbk.	2025	86	31.96920981	1	0.35457048	0
Suparma Tbk.	2021	84	28.64122225	1	0.33890313	0
Suparma Tbk.	2022	88	28.80635723	1	0.33740819	0
Suparma Tbk.	2023	87	28.82613152	1	0.29798022	0
Suparma Tbk.	2024	85	28.85264332	1	0.29711113	0
Suparma Tbk.	2025	89	28.92879126	1	0.32002341	0
Indo Acidatama Tbk	2021	89	27.48038764	1	0.292916	0
Indo Acidatama Tbk	2022	89	27.49931925	1	0.24898391	0
Indo Acidatama Tbk	2023	88	27.5656266	1	0.24139089	0
Indo Acidatama Tbk	2024	83	27.75803166	1	0.34953455	0
Indo Acidatama Tbk	2025	89	27.68210435	1	0.23051257	0
Tunas Alfin Tbk.	2021	87	28.08205211	1	0.33265554	0
Tunas Alfin Tbk.	2022	83	28.21729597	1	0.33988846	0
Tunas Alfin Tbk.	2023	86	28.18137555	1	0.29789869	0
Tunas Alfin Tbk.	2024	83	28.23854721	1	0.32894642	0
Tunas Alfin Tbk.	2025	86	28.25307282	1	0.28417611	0
Tirta Mahakam Resources Tbk	2021	116	26.36754231	0	2.82104079	1
Tirta Mahakam Resources Tbk	2022	87	26.25308387	0	3.38754165	1
Tirta Mahakam Resources Tbk	2023	87	26.09938861	0	3.94003717	1
Tirta Mahakam Resources Tbk	2024	85	25.91559665	0	4.72346166	1
Tirta Mahakam Resources Tbk	2025	86	26.63497241	0	2.65417402	0
Trias Sentosa Tbk.	2021	116	29.16332547	1	0.4679674	0
Trias Sentosa Tbk.	2022	90	29.38491827	1	0.5069202	0
Trias Sentosa Tbk.	2023	87	29.24939023	0	0.49960574	0
Trias Sentosa Tbk.	2024	84	29.30715853	1	0.49953367	0
Trias Sentosa Tbk.	2025	89	29.3263576	0	0.50343665	0
Wijaya Karya Beton Tbk.	2021	49	29.83737182	1	0.61631636	0

Wijaya Karya Beton Tbk.	2022	66	29.87677431	1	0.61494475	0
Wijaya Karya Beton Tbk.	2023	87	29.6633279	1	0.52486026	0
Wijaya Karya Beton Tbk.	2024	79	29.60436414	1	0.48757117	0
Wijaya Karya Beton Tbk.	2025	85	29.47005665	1	0.41403215	0
Yanaprima Hastapersada Tbk	2021	70	26.27685518	0	0.52737871	0
Yanaprima Hastapersada Tbk	2022	86	26.39487057	0	0.58470794	0
Yanaprima Hastapersada Tbk	2023	85	26.34232119	1	0.5341149	0
Yanaprima Hastapersada Tbk	2024	85	26.41623171	0	0.58167173	0
Yanaprima Hastapersada Tbk	2025	85	26.29550592	1	0.50592148	0
Waskita Beton Precast Tbk.	2021	125	29.55994165	0	1.40373407	1
Waskita Beton Precast Tbk.	2022	96	29.41670516	1	1.35267088	1
Waskita Beton Precast Tbk.	2023	87	29.12911302	1	1.14855185	1
Waskita Beton Precast Tbk.	2024	79	28.9171168	0	1.43049793	1
Waskita Beton Precast Tbk.	2025	75	28.74797778	0	1.64379257	1
Kirana Megatara Tbk.	2021	57	29.34933775	1	0.63498921	0
Kirana Megatara Tbk.	2022	59	29.19938627	0	0.59224841	0
Kirana Megatara Tbk.	2023	67	29.1533404	0	0.58568758	0
Kirana Megatara Tbk.	2024	66	29.35444341	1	0.63392309	0
Kirana Megatara Tbk.	2025	64	29.14115834	1	0.51815351	0
Emdeki Utama Tbk.	2021	87	27.61631349	1	0.08129288	0
Emdeki Utama Tbk.	2022	89	27.6759266	1	0.101069	0
Emdeki Utama Tbk.	2023	88	27.69357047	1	0.09359662	0
Emdeki Utama Tbk.	2024	86	27.67023318	1	0.06280247	0
Emdeki Utama Tbk.	2025	86	27.68757062	1	0.06374252	0
Kapuas Prima Coal Tbk.	2021	118	27.29414545	1	1.64023325	0
Kapuas Prima Coal Tbk.	2022	90	28.53764691	0	0.68774798	0
Kapuas Prima Coal Tbk.	2023	88	28.58776896	0	0.71402034	0

Kapuas Prima Coal Tbk.	2024	85	28.51463319	0	0.74595064	1
Kapuas Prima Coal Tbk.	2025	89	28.49336917	0	0.84720328	1
Panca Budi Idaman Tbk.	2021	77	28.65919651	1	0.00017895	0
Panca Budi Idaman Tbk.	2022	67	28.74299808	1	0.00019548	0
Panca Budi Idaman Tbk.	2023	67	28.79303148	1	0.00017702	0
Panca Budi Idaman Tbk.	2024	72	28.90736089	1	0.00017395	0
Panca Budi Idaman Tbk.	2025	61	28.87828572	1	0.00015388	0
Madusari Murni Indah Tbk.	2021	89	28.45309641	1	0.34343209	0
Madusari Murni Indah Tbk.	2022	86	28.27090521	1	0.33780143	0
Madusari Murni Indah Tbk.	2023	86	28.33408359	1	0.33135887	0
Madusari Murni Indah Tbk.	2024	84	28.2898334	1	0.29926252	0
Madusari Murni Indah Tbk.	2025	86	28.10977365	1	0.10657981	0
Satyamitra Kemas Lestari Tbk.	2021	112	28.27741285	1	0.56686365	0
Satyamitra Kemas Lestari Tbk.	2022	88	28.33629394	1	0.52657529	0
Satyamitra Kemas Lestari Tbk.	2023	88	28.26809885	1	0.50974522	0
Satyamitra Kemas Lestari Tbk.	2024	87	28.35208072	1	0.54070204	0
Satyamitra Kemas Lestari Tbk.	2025	89	28.5875611	1	0.60042549	0
Sinergi Inti Plastindo Tbk.	2021	112	25.16099516	1	0.36712328	0
Sinergi Inti Plastindo Tbk.	2022	87	25.31330447	1	0.03266091	0
Sinergi Inti Plastindo Tbk.	2023	87	25.33455976	1	0.04268911	0
Sinergi Inti Plastindo Tbk.	2024	85	25.34412357	1	0.04297117	0
Sinergi Inti Plastindo Tbk.	2025	86	25.33916731	1	0.02943476	0
Indonesia Fibreboard Industry	2021	68	27.77834585	1	0.06503768	0
Indonesia Fibreboard Industry	2022	74	28.18881087	1	0.34596115	0
Indonesia Fibreboard Industry	2023	75	28.26991719	1	0.35550897	0
Indonesia Fibreboard Industry	2024	72	28.19258052	1	0.25519664	0
Indonesia Fibreboard Industry	2025	64	28.16514393	1	0.18816055	0

Saraswanti Anugerah Makmur Tbk	2021	101	28.19810828	1	0.51097541	0
Saraswanti Anugerah Makmur Tbk	2022	83	28.76170735	1	0.63834759	0
Saraswanti Anugerah Makmur Tbk	2023	86	28.65837529	1	0.50599766	0
Saraswanti Anugerah Makmur Tbk	2024	84	28.65647543	1	0.43983306	0
Saraswanti Anugerah Makmur Tbk	2025	86	28.78638889	1	0.40527859	0
Megalestari Epack Sentosaraya	2021	116	26.64280988	1	0.51304921	0
Megalestari Epack Sentosaraya	2022	87	26.41454692	0	0.61189396	1
Megalestari Epack Sentosaraya	2023	88	26.37099801	0	0.69718029	1
Megalestari Epack Sentosaraya	2024	83	26.30906813	0	0.7210169	1
Megalestari Epack Sentosaraya	2025	86	26.2822613	1	0.70972651	1
Surya Biru Murni Acetylene Tbk	2021	82	26.24719872	1	0.18085636	0
Surya Biru Murni Acetylene Tbk	2022	88	26.32022766	1	0.21710765	0
Surya Biru Murni Acetylene Tbk	2023	87	26.34431835	1	0.21989611	0
Surya Biru Murni Acetylene Tbk	2024	87	26.39306419	1	0.21407965	0
Surya Biru Murni Acetylene Tbk	2025	89	26.39408792	1	0.1763539	0
Cemindo Gemilang Tbk.	2021	116	30.556122	1	0.78274147	0
Cemindo Gemilang Tbk.	2022	89	30.5287594	0	0.78821477	0
Cemindo Gemilang Tbk.	2023	87	30.51894455	1	0.7782488	0
Cemindo Gemilang Tbk.	2024	86	30.47035382	0	0.81577041	0
Cemindo Gemilang Tbk.	2025	86	30.43561498	0	0.82318678	0
OBM Drilchem Tbk.	2021	74	25.34011326	1	0.11506806	0
OBM Drilchem Tbk.	2022	79	25.59491178	1	0.15128559	0
OBM Drilchem Tbk.	2023	87	25.89456054	1	0.23189421	0
OBM Drilchem Tbk.	2024	86	26.04556146	1	0.15023675	0
OBM Drilchem Tbk.	2025	89	26.15578674	1	0.08827101	0
Avia Avian Tbk.	2021	75	30.01737366	1	0.13409713	0
Avia Avian Tbk.	2022	59	30.00983754	1	0.1127894	0

Avia Avian Tbk.	2023	58	30.04398295	1	1	0
Avia Avian Tbk.	2024	55	30.03444426	1	0.12920154	0
Avia Avian Tbk.	2025	55	30.03655794	1	0.13930911	0
Kusuma Kemindo Sentosa Tbk.	2021	132	25.44266142	1	0.72020884	0
Kusuma Kemindo Sentosa Tbk.	2022	67	25.46326419	1	0.45298751	0
Kusuma Kemindo Sentosa Tbk.	2023	85	25.54127635	1	0.46229466	0
Kusuma Kemindo Sentosa Tbk.	2024	79	25.41297117	0	0.40251476	0
Kusuma Kemindo Sentosa Tbk.	2025	76	25.58913237	0	0.52135498	0
FKS Food Sejahtera Tbk.	2021	117	28.1972629	1	0.52671383	0
FKS Food Sejahtera Tbk.	2022	90	28.23334056	0	0.57408985	0
FKS Food Sejahtera Tbk.	2023	87	28.24620892	1	0.47665086	0
FKS Food Sejahtera Tbk.	2024	72	28.3060919	1	0.46738982	0
FKS Food Sejahtera Tbk.	2025	44	28.36812824	1	0.45259276	0
Bumi Teknokultura Unggul Tbk	2021	116	29.05966682	0	0.62579115	0
Bumi Teknokultura Unggul Tbk	2022	88	29.05220949	0	0.70958457	0
Bumi Teknokultura Unggul Tbk	2023	88	29.03115697	0	0.72709255	0
Bumi Teknokultura Unggul Tbk	2024	90	28.9904741	0	0.88122934	1
Bumi Teknokultura Unggul Tbk	2025	90	28.88659046	0	0.91917633	1
Budi Starch & Sweetener Tbk.	2021	115	28.72737018	1	0.53638626	0
Budi Starch & Sweetener Tbk.	2022	88	28.78590378	1	0.54467678	0
Budi Starch & Sweetener Tbk.	2023	87	28.83334636	1	0.52181471	0
Budi Starch & Sweetener Tbk.	2024	85	28.97048877	1	0.57578744	0
Budi Starch & Sweetener Tbk.	2025	86	29.04158166	1	0.58785404	0
Wilmar Cahaya Indonesia Tbk.	2021	88	28.16011124	1	0.18264556	0
Wilmar Cahaya Indonesia Tbk.	2022	75	28.17234924	1	0.09791411	0
Wilmar Cahaya Indonesia Tbk.	2023	78	28.26948019	1	0.1326998	0
Wilmar Cahaya Indonesia Tbk.	2024	71	28.50033836	1	0.19976285	0

Wilmar Cahaya Indonesia Tbk.	2025	76	28.54189884	1	0.19056884	0
Charoen Pokphand Indonesia Tbk	2021	98	31.19903297	1	0.29047106	0
Charoen Pokphand Indonesia Tbk	2022	89	31.31608191	1	0.33930148	0
Charoen Pokphand Indonesia Tbk	2023	85	31.34388073	1	0.34029216	0
Charoen Pokphand Indonesia Tbk	2024	77	31.38734892	1	0.29216606	0
Charoen Pokphand Indonesia Tbk	2025	75	31.45656997	1	0.25528541	0
Central Proteina Prima Tbk.	2021	119	29.49423855	1	0.55407423	0
Central Proteina Prima Tbk.	2022	90	29.55289278	1	0.53439355	0
Central Proteina Prima Tbk.	2023	88	29.5561946	1	0.50123477	0
Central Proteina Prima Tbk.	2024	84	29.53407163	1	0.46786755	0
Central Proteina Prima Tbk.	2025	77	29.60751534	1	0.47476209	0
Delta Djakarta Tbk.	2021	89	27.90007225	1	0.22812181	0
Delta Djakarta Tbk.	2022	89	27.89889813	1	0.2344046	0
Delta Djakarta Tbk.	2023	87	27.82002861	1	0.2749456	0
Delta Djakarta Tbk.	2024	86	27.71398569	1	0.30872248	0
Delta Djakarta Tbk.	2025	86	27.75012633	1	0.32848243	0
Gudang Garam Tbk.	2021	87	32.13043481	1	0.34098049	0
Gudang Garam Tbk.	2022	89	32.11473095	1	0.34672249	0
Gudang Garam Tbk.	2023	88	32.15769798	1	0.34167332	0
Gudang Garam Tbk.	2024	87	32.07295772	1	0.27104875	0
Gudang Garam Tbk.	2025	90	31.95185899	1	0.16851213	0
H.M. Sampoerna Tbk.	2021	82	31.60301776	1	0.45015689	0
H.M. Sampoerna Tbk.	2022	89	31.63447391	1	0.48582379	0
H.M. Sampoerna Tbk.	2023	75	31.64408809	1	0.4600168	0
H.M. Sampoerna Tbk.	2024	84	31.62537417	1	0.47769279	0
H.M. Sampoerna Tbk.	2025	70	31.57381601	1	0.45016713	0
Indofood CBP Sukses Makmur Tbk	2021	88	32.40183549	1	0.53446204	0

Indofood CBP Sukses Makmur Tbk	2022	82	32.37860656	1	0.501559	0
Indofood CBP Sukses Makmur Tbk	2023	85	32.41238643	1	0.47928603	0
Indofood CBP Sukses Makmur Tbk	2024	84	32.46762761	1	0.46807836	0
Indofood CBP Sukses Makmur Tbk	2025	86	32.54032002	1	0.45639192	0
Indofood Sukses Makmur Tbk.	2021	88	32.81992443	1	0.51477873	0
Indofood Sukses Makmur Tbk.	2022	82	32.8263823	1	0.48112107	0
Indofood Sukses Makmur Tbk.	2023	85	32.85992386	1	0.46156819	0
Indofood Sukses Makmur Tbk.	2024	84	32.93786856	1	0.45967234	0
Indofood Sukses Makmur Tbk.	2025	86	33.01543253	1	0.44841603	0
Japfa Comfeed Indonesia Tbk.	2021	60	30.98406609	1	0.54169753	0
Japfa Comfeed Indonesia Tbk.	2022	60	31.11811747	1	0.58230632	0
Japfa Comfeed Indonesia Tbk.	2023	60	31.16059503	1	0.58465411	0
Japfa Comfeed Indonesia Tbk.	2024	59	31.17678866	1	0.52194119	0
Japfa Comfeed Indonesia Tbk.	2025	59	31.32141018	1	0.50028103	0
Malindo Feedmill Tbk.	2021	90	29.32915561	1	0.55790347	0
Malindo Feedmill Tbk.	2022	90	29.37969876	1	0.58334938	0
Malindo Feedmill Tbk.	2023	88	29.33890916	1	0.54760525	0
Malindo Feedmill Tbk.	2024	87	29.31371801	1	0.40134434	0
Malindo Feedmill Tbk.	2025	90	29.37230465	1	0.40460782	0
Martina Berto Tbk.	2021	104	27.29347723	0	0.37727057	0
Martina Berto Tbk.	2022	95	27.30488038	0	0.43910881	0
Martina Berto Tbk.	2023	87	27.23538457	0	0.4516965	0
Martina Berto Tbk.	2024	85	27.22961781	0	0.45110454	0
Martina Berto Tbk.	2025	85	27.18523009	0	0.46966154	0
Multi Bintang Indonesia Tbk.	2021	56	28.70329525	1	0.62383621	0
Multi Bintang Indonesia Tbk.	2022	65	28.84726887	1	0.68194566	0
Multi Bintang Indonesia Tbk.	2023	87	28.85698298	1	196.429306	0

Multi Bintang Indonesia Tbk.	2024	84	28.86680882	1	168.064154	0
Multi Bintang Indonesia Tbk.	2025	86	28.87131987	1	49.766791	0
Mustika Ratu Tbk.	2021	129	27.08329112	1	0.40650339	0
Mustika Ratu Tbk.	2022	118	27.26686195	1	0.40789141	1
Mustika Ratu Tbk.	2023	173	27.17564177	0	0.36630956	1
Mustika Ratu Tbk.	2024	119	27.43066068	0	0.29908319	1
Mustika Ratu Tbk.	2025	120	27.50179776	1	0.2812207	1
Mayora Indah Tbk.	2021	89	30.62262755	1	0.47402505	0
Mayora Indah Tbk.	2022	88	30.7345382	1	0.42383725	0
Mayora Indah Tbk.	2023	59	30.80366052	1	0.35978928	0
Mayora Indah Tbk.	2024	58	31.02313678	1	0.42471816	0
Mayora Indah Tbk.	2025	75	31.07719183	1	0.41481867	0
Prasidha Aneka Niaga Tbk	2021	98	27.28485758	0	0.92121588	0
Prasidha Aneka Niaga Tbk	2022	89	27.28234292	0	0.94455839	1
Prasidha Aneka Niaga Tbk	2023	88	25.7469717	1	0.56517266	1
Prasidha Aneka Niaga Tbk	2024	84	25.70936378	0	0.68232501	1
Prasidha Aneka Niaga Tbk	2025	89	25.66119911	0	0.85426411	1
Nippon Indosari Corpindo Tbk.	2021	61	29.06402835	1	0.31534324	0
Nippon Indosari Corpindo Tbk.	2022	59	29.04937639	1	0.35085962	0
Nippon Indosari Corpindo Tbk.	2023	59	29.00309444	1	0.39307204	0
Nippon Indosari Corpindo Tbk.	2024	65	28.95180234	1	0.38389177	0
Nippon Indosari Corpindo Tbk.	2025	57	28.89450032	1	0.42195208	0
Sreeya Sewu Indonesia Tbk.	2021	119	28.65618419	0	0.67228713	0
Sreeya Sewu Indonesia Tbk.	2022	86	28.73044108	0	0.76608334	0
Sreeya Sewu Indonesia Tbk.	2023	88	28.81931291	0	0.6364286	0
Sreeya Sewu Indonesia Tbk.	2024	86	28.76869257	1	0.61409055	0
Sreeya Sewu Indonesia Tbk.	2025	86	28.69109249	1	0.5709936	0

Sekar Bumi Tbk.	2021	110	28.30927195	1	0.49630972	0
Sekar Bumi Tbk.	2022	88	28.34504857	1	0.47411324	0
Sekar Bumi Tbk.	2023	87	28.24058149	1	0.41983791	0
Sekar Bumi Tbk.	2024	84	28.24154054	0	0.46318802	0
Sekar Bumi Tbk.	2025	72	28.47408821	1	0.54562925	0
Sekar Laut Tbk.	2021	75	27.51350395	1	0.39059516	0
Sekar Laut Tbk.	2022	88	27.66376849	1	0.42827877	0
Sekar Laut Tbk.	2023	85	27.88001899	1	0.36312563	0
Sekar Laut Tbk.	2024	72	28.05106291	1	0.39907268	0
Sekar Laut Tbk.	2025	72	28.21875929	1	0.45333725	0
Siantar Top Tbk.	2021	129	28.99691981	1	0.15778428	0
Siantar Top Tbk.	2022	118	29.15506188	1	0.14427726	0
Siantar Top Tbk.	2023	88	29.33253391	1	0.1157782	0
Siantar Top Tbk.	2024	104	29.54235567	1	0.09110107	0
Siantar Top Tbk.	2025	90	29.71142431	1	0.08590513	0
Tunas Baru Lampung Tbk.	2021	116	30.67953638	1	0.69207225	0
Tunas Baru Lampung Tbk.	2022	88	30.79538348	1	0.71139914	0
Tunas Baru Lampung Tbk.	2023	88	30.88462005	1	0.6830833	0
Tunas Baru Lampung Tbk.	2024	86	30.95474509	1	0.6957005	0
Tunas Baru Lampung Tbk.	2025	89	31.04953264	1	0.69686702	0
Mandom Indonesia Tbk.	2021	87	28.46428012	0	0.20903823	0
Mandom Indonesia Tbk.	2022	76	28.498398	1	0.22089272	0
Mandom Indonesia Tbk.	2023	75	28.50296971	1	0.21148447	0
Mandom Indonesia Tbk.	2024	76	28.48026944	0	0.2369467	0
Mandom Indonesia Tbk.	2025	75	28.47292859	1	0.22867373	0
Ultrajaya Milk Industry & Trad	2021	89	29.63342717	1	0.30630135	0
Ultrajaya Milk Industry & Trad	2022	89	29.62930344	1	0.20819115	0

Ultrajaya Milk Industry & Trad	2023	86	29.64911318	1	0.11124307	0
Ultrajaya Milk Industry & Trad	2024	59	29.76653162	1	0.12225533	0
Ultrajaya Milk Industry & Trad	2025	59	29.85601973	1	0.10126039	0
Unilever Indonesia Tbk.	2021	40	30.57906055	1	0.77338219	0
Unilever Indonesia Tbk.	2022	40	30.53891152	1	0.78178671	0
Unilever Indonesia Tbk.	2023	38	30.44427698	1	0.7970943	0
Unilever Indonesia Tbk.	2024	44	30.40649287	1	0.86605753	0
Unilever Indonesia Tbk.	2025	43	30.62761996	1	0.77643792	0
Wismilak Inti Makmur Tbk.	2021	87	28.26821666	1	0.30287317	0
Wismilak Inti Makmur Tbk.	2022	86	28.4051923	1	0.30794367	0
Wismilak Inti Makmur Tbk.	2023	87	28.57716457	1	0.28280411	0
Wismilak Inti Makmur Tbk.	2024	86	28.73855855	1	0.36688312	0
Wismilak Inti Makmur Tbk.	2025	86	28.79579075	1	0.30897186	0
Kino Indonesia Tbk.	2021	118	29.30738136	1	0.4971171	0
Kino Indonesia Tbk.	2022	90	29.17354372	0	0.67200636	0
Kino Indonesia Tbk.	2023	88	29.16710928	1	0.65161462	0
Kino Indonesia Tbk.	2024	86	29.13540643	1	0.6333661	0
Kino Indonesia Tbk.	2025	89	29.12807933	1	0.60919044	0
Sariguna Primatirta Tbk.	2021	70	27.92977782	1	0.25708828	0
Sariguna Primatirta Tbk.	2022	86	28.21340689	1	0.32460001	0
Sariguna Primatirta Tbk.	2023	86	28.46228877	1	0.34040295	0
Sariguna Primatirta Tbk.	2024	80	28.61061974	1	0.27544272	0
Sariguna Primatirta Tbk.	2025	86	28.73587575	1	0.23408781	0
Buyung Poetra Sembada Tbk.	2021	117	27.61850672	1	0.31733369	0
Buyung Poetra Sembada Tbk.	2022	89	27.42227795	1	0.17587909	0
Buyung Poetra Sembada Tbk.	2023	86	27.67617705	0	0.36763591	0
Buyung Poetra Sembada Tbk.	2024	80	27.74797839	0	0.42376559	0

Buyung Poetra Sembada Tbk.	2025	75	27.62015136	0	0.39136193	0
Campina Ice Cream Industry Tbk	2021	84	27.76750428	1	0.04837956	0
Campina Ice Cream Industry Tbk	2022	89	27.70313474	1	0.05667372	0
Campina Ice Cream Industry Tbk	2023	88	27.7160295	1	0.05333091	0
Campina Ice Cream Industry Tbk	2024	84	27.71091639	1	0.05039782	0
Campina Ice Cream Industry Tbk	2025	90	27.79189985	1	0.05324248	0
Prima Cakrawala Abadi Tbk.	2021	115	25.33225854	1	0.43941613	1
Prima Cakrawala Abadi Tbk.	2022	83	25.35614611	1	0.40493631	1
Prima Cakrawala Abadi Tbk.	2023	88	25.37295823	1	0.3607807	1
Prima Cakrawala Abadi Tbk.	2024	85	25.24729308	0	0.29034249	1
Prima Cakrawala Abadi Tbk.	2025	89	25.33108757	0	0.34249241	1
Garudafood Putra Putri Jaya Tb	2021	63	29.5430202	1	0.5471586	0
Garudafood Putra Putri Jaya Tb	2022	58	29.62263803	1	0.54261302	0
Garudafood Putra Putri Jaya Tb	2023	59	29.63623843	1	0.47369883	0
Garudafood Putra Putri Jaya Tb	2024	83	29.7630227	1	0.52490908	0
Garudafood Putra Putri Jaya Tb	2025	58	29.86459499	1	0.53283472	0
Sentra Food Indonesia Tbk.	2021	115	25.39136719	0	0.58927139	0
Sentra Food Indonesia Tbk.	2022	89	25.3511481	0	0.59279971	0
Sentra Food Indonesia Tbk.	2023	88	24.65497177	0	0.57981783	0
Sentra Food Indonesia Tbk.	2024	83	24.60426882	0	1.04421342	1
Sentra Food Indonesia Tbk.	2025	90	24.5682834	0	1.51139905	1
Estika Tata Tiara Tbk.	2021	158	27.2357255	0	1.2588941	1
Estika Tata Tiara Tbk.	2022	80	27.14491709	0	1.43297661	1
Estika Tata Tiara Tbk.	2023	87	27.26043635	1	0.79641827	0
Estika Tata Tiara Tbk.	2024	86	28.41719329	1	0.88064266	0
Estika Tata Tiara Tbk.	2025	89	28.49163109	1	0.83461313	0
Wahana Interfood Nusantara Tbk	2021	77	26.63861662	1	0.40965363	0

Wahana Interfood Nusantara Tbk	2022	89	26.90752691	1	0.57882439	0
Wahana Interfood Nusantara Tbk	2023	88	26.99417815	0	0.71528444	0
Wahana Interfood Nusantara Tbk	2024	86	26.80952932	0	0.77699368	0
Wahana Interfood Nusantara Tbk	2025	89	27.01903233	0	0.79200826	1
Mulia Boga Raya Tbk.	2021	60	27.36669911	1	0.23693439	0
Mulia Boga Raya Tbk.	2022	59	27.48031492	1	0.18206543	0
Mulia Boga Raya Tbk.	2023	58	27.44273584	1	0.19025774	0
Mulia Boga Raya Tbk.	2024	60	27.60473654	1	0.24042733	0
Mulia Boga Raya Tbk.	2025	57	27.85534947	1	0.32473059	0
Palma Serasih Tbk.	2021	84	28.94794065	1	0.61820812	0
Palma Serasih Tbk.	2022	86	29.0519239	1	0.59281567	0
Palma Serasih Tbk.	2023	87	29.06161552	1	0.46495518	0
Palma Serasih Tbk.	2024	85	29.00481895	1	0.38214941	0
Palma Serasih Tbk.	2025	75	29.01613897	1	0.31668497	0
Uni-Charm Indonesia Tbk.	2021	55	29.68230582	1	0.40106767	0
Uni-Charm Indonesia Tbk.	2022	53	29.75717185	1	0.38398693	0
Uni-Charm Indonesia Tbk.	2023	50	29.76965732	1	0.34451629	0
Uni-Charm Indonesia Tbk.	2024	45	29.78954471	1	0.32236819	0
Uni-Charm Indonesia Tbk.	2025	62	29.62377464	0	0.36959583	0
Diamond Food Indonesia Tbk.	2021	119	29.47114002	1	0.20292961	0
Diamond Food Indonesia Tbk.	2022	90	29.55939221	1	0.21328463	0
Diamond Food Indonesia Tbk.	2023	88	29.60049153	1	0.18629418	0
Diamond Food Indonesia Tbk.	2024	86	29.6397848	1	0.16764541	0
Diamond Food Indonesia Tbk.	2025	89	29.74894861	1	0.20884823	0
Era Mandiri Cemerlang Tbk.	2021	112	25.5837127	1	4.55801515	0
Era Mandiri Cemerlang Tbk.	2022	89	25.5566482	1	0.4208914	0
Era Mandiri Cemerlang Tbk.	2023	88	25.67336037	1	0.47810005	0

Era Mandiri Cemerlang Tbk.	2024	85	25.65381356	1	0.46190336	0
Era Mandiri Cemerlang Tbk.	2025	89	25.56910588	1	0.41049916	0
Pinago Utama Tbk.	2021	97	28.03556881	1	0.57621407	0
Pinago Utama Tbk.	2022	88	28.06967853	1	0.5430553	0
Pinago Utama Tbk.	2023	87	28.029226	1	0.4649013	0
Pinago Utama Tbk.	2024	85	28.19842221	1	0.45239017	0
Pinago Utama Tbk.	2025	89	28.18807545	1	0.3294936	0
Morenzo Abadi Perkasa Tbk.	2021	116	26.40825965	1	0.46411804	0
Morenzo Abadi Perkasa Tbk.	2022	150	26.47052732	1	0.487742	1
Morenzo Abadi Perkasa Tbk.	2023	88	26.59730063	0	0.56175982	0
Morenzo Abadi Perkasa Tbk.	2024	84	26.70963225	1	0.57961552	0
Morenzo Abadi Perkasa Tbk.	2025	87	26.78829313	0	0.61108609	1
Victoria Care Indonesia Tbk.	2021	90	27.62881569	1	0.24818693	0
Victoria Care Indonesia Tbk.	2022	88	27.77156903	1	0.30401381	0
Victoria Care Indonesia Tbk.	2023	86	27.76924739	1	0.19987024	0
Victoria Care Indonesia Tbk.	2024	85	27.88174672	1	0.20317014	0
Victoria Care Indonesia Tbk.	2025	86	27.92214003	1	0.18375118	0
Widodo Makmur Unggas Tbk.	2021	84	28.46962317	1	0.46882081	0
Widodo Makmur Unggas Tbk.	2022	104	28.62818078	0	0.55813613	1
Widodo Makmur Unggas Tbk.	2023	127	28.53475997	0	0.60411937	1
Widodo Makmur Unggas Tbk.	2024	85	28.50349548	0	0.64153164	1
Widodo Makmur Unggas Tbk.	2025	69	28.47817352	0	0.66656556	0
Falmaco Nonwoven Industri Tbk.	2021	419	26.00601129	0	0.51534081	1
Falmaco Nonwoven Industri Tbk.	2022	304	25.93861069	0	0.57953634	1
Falmaco Nonwoven Industri Tbk.	2023	80	25.94445309	1	0.5425127	1
Falmaco Nonwoven Industri Tbk.	2024	86	25.04860568	0	0.42478596	1
Falmaco Nonwoven Industri Tbk.	2025	77	24.73293516	0	0.62521863	1

Formosa Ingredient Factory Tbk	2021	94	25.71665586	1	0.06003454	0
Formosa Ingredient Factory Tbk	2022	88	25.82367424	1	0.15682035	0
Formosa Ingredient Factory Tbk	2023	78	25.89161949	1	0.13992504	0
Formosa Ingredient Factory Tbk	2024	77	25.93335037	1	0.13184452	0
Formosa Ingredient Factory Tbk	2025	65	25.93299203	1	0.08469835	0
Cisarua Mountain Dairy Tbk.	2021	81	29.35446231	1	0.16182651	0
Cisarua Mountain Dairy Tbk.	2022	53	29.45931355	1	0.15505063	0
Cisarua Mountain Dairy Tbk.	2023	66	29.58360282	1	0.15688256	0
Cisarua Mountain Dairy Tbk.	2024	57	29.73412681	1	0.17572002	0
Cisarua Mountain Dairy Tbk.	2025	57	29.79906288	1	0.22381529	0
Widodo Makmur Perkasa Tbk.	2021	87	29.3637351	1	0.57255482	0
Widodo Makmur Perkasa Tbk.	2022	104	29.43444874	0	0.65452936	1
Widodo Makmur Perkasa Tbk.	2023	127	29.24178626	0	0.75668421	1
Widodo Makmur Perkasa Tbk.	2024	174	29.17032231	0	0.85126059	1
Widodo Makmur Perkasa Tbk.	2025	103	29.14409173	1	0.88942097	1
Indo Boga Sukses Tbk.	2021	130	26.03432751	1	0.17319313	0
Indo Boga Sukses Tbk.	2022	142	26.63217296	1	0.11169685	0
Indo Boga Sukses Tbk.	2023	90	26.64925744	1	0.10770598	0
Indo Boga Sukses Tbk.	2024	87	26.6386992	1	0.07778264	0
Indo Boga Sukses Tbk.	2025	90	26.63410846	1	0.06758052	0
Asahimas Flat Glass Tbk.	2021	89	29.63297074	1	0.55515909	0
Asahimas Flat Glass Tbk.	2022	89	29.64145014	1	0.50175289	0
Asahimas Flat Glass Tbk.	2023	73	29.64601267	1	0.43461846	0
Asahimas Flat Glass Tbk.	2024	77	29.61499279	1	0.38204714	0
Asahimas Flat Glass Tbk.	2025	75	29.5879882	1	0.33864146	0
Ateliers Mecaniques D Indonesi	2021	112	26.46465484	1	0.52979305	0
Ateliers Mecaniques D Indonesi	2022	85	26.50108076	1	0.52276454	0

Ateliers Mecaniques D Indonesi	2023	89	26.5807185	1	0.51666527	0
Ateliers Mecaniques D Indonesi	2024	87	26.43537271	1	0.3987096	0
Ateliers Mecaniques D Indonesi	2025	87	26.43466131	1	0.34863457	0
Arwana Citramulia Tbk.	2021	33	28.43906855	1	0.29879487	0
Arwana Citramulia Tbk.	2022	41	28.5783719	1	0.28915597	0
Arwana Citramulia Tbk.	2023	38	28.59438307	1	0.29210366	0
Arwana Citramulia Tbk.	2024	48	28.60985975	1	0.29451878	0
Arwana Citramulia Tbk.	2025	56	28.69015004	1	0.32913729	0
Astra International Tbk.	2021	56	33.53723002	1	0.41299063	0
Astra International Tbk.	2022	58	33.65518758	1	0.410303	0
Astra International Tbk.	2023	58	33.7300051	1	0.43776114	0
Astra International Tbk.	2024	58	33.78683205	1	0.42304682	0
Astra International Tbk.	2025	57	33.86025375	1	0.42682009	0
Citatah Tbk.	2021	129	27.259843	0	0.703515	0
Citatah Tbk.	2022	90	27.29171231	0	0.75738563	0
Citatah Tbk.	2023	90	27.34551503	0	0.71889871	0
Citatah Tbk.	2024	87	27.32094741	0	0.73999964	0
Citatah Tbk.	2025	90	27.21343673	0	0.74994398	0
Impack Pratama Industri Tbk.	2021	88	28.68120128	1	0.40928467	0
Impack Pratama Industri Tbk.	2022	88	28.86517657	1	0.35242457	0
Impack Pratama Industri Tbk.	2023	88	29.04331506	1	0.36042316	0
Impack Pratama Industri Tbk.	2024	86	29.12784136	1	0.51988158	0
Impack Pratama Industri Tbk.	2025	89	29.30055122	1	0.36003291	0
Jembo Cable Company Tbk.	2021	115	28.18316758	0	0.59916894	0
Jembo Cable Company Tbk.	2022	86	28.41938649	1	0.65986464	0
Jembo Cable Company Tbk.	2023	87	28.40219145	1	0.63333035	0
Jembo Cable Company Tbk.	2024	83	28.57094253	1	0.67548938	0

Jembo Cable Company Tbk.	2025	89	28.57662597	1	0.64374793	0
KMI Wire & Cable Tbk.	2021	113	28.63357861	1	0.09990226	0
KMI Wire & Cable Tbk.	2022	89	28.65957033	1	0.10797166	0
KMI Wire & Cable Tbk.	2023	88	28.72173803	1	0.12812619	0
KMI Wire & Cable Tbk.	2024	94	28.76889292	1	0.10678904	0
KMI Wire & Cable Tbk.	2025	89	28.84443492	1	0.13189226	0
Kabelindo Murni Tbk.	2021	88	28.03460514	0	0.18952319	0
Kabelindo Murni Tbk.	2022	88	28.04220077	1	0.17496062	0
Kabelindo Murni Tbk.	2023	87	28.09942498	1	0.20826623	0
Kabelindo Murni Tbk.	2024	84	28.2682057	1	0.2481807	0
Kabelindo Murni Tbk.	2025	89	28.153077	1	0.15596351	0
Keramika Indonesia Assosiasi T	2021	117	27.63104558	0	0.15359132	0
Keramika Indonesia Assosiasi T	2022	90	27.69482145	1	0.19972064	0
Keramika Indonesia Assosiasi T	2023	88	27.59889661	0	0.15340164	0
Keramika Indonesia Assosiasi T	2024	87	27.61458783	0	0.1913	0
Keramika Indonesia Assosiasi T	2025	89	27.56097412	0	0.16089022	0
Lion Metal Works Tbk.	2021	115	27.2553185	0	0.32175556	0
Lion Metal Works Tbk.	2022	87	27.25195138	1	0.30633132	0
Lion Metal Works Tbk.	2023	87	27.33380959	1	0.33854846	0
Lion Metal Works Tbk.	2024	84	27.2943917	1	0.29841344	0
Lion Metal Works Tbk.	2025	89	27.16077294	0	0.24443396	0
Mulia Industrindo Tbk	2021	81	29.44284484	1	0.43200844	0
Mulia Industrindo Tbk	2022	83	29.54896457	1	0.34138767	0
Mulia Industrindo Tbk	2023	85	29.57938845	1	0.29342628	0
Mulia Industrindo Tbk	2024	80	29.58364261	1	0.23964648	0
Mulia Industrindo Tbk	2025	84	29.62813948	0	0.26737974	0
Supreme Cable Manufacturing &	2021	88	29.1779187	1	0.061132	0

Supreme Cable Manufacturing &	2022	88	29.26576284	1	0.07750805	0
Supreme Cable Manufacturing &	2023	87	29.304335	1	0.07364368	0
Supreme Cable Manufacturing &	2024	85	29.37186248	1	0.05816291	0
Supreme Cable Manufacturing &	2025	86	29.40234914	1	0.04393732	0
Surya Toto Indonesia Tbk.	2021	90	28.80546137	1	0.34251443	0
Surya Toto Indonesia Tbk.	2022	87	28.82644918	1	0.30324332	0
Surya Toto Indonesia Tbk.	2023	86	28.83516115	1	0.29469876	0
Surya Toto Indonesia Tbk.	2024	84	28.86970078	1	0.28663886	0
Surya Toto Indonesia Tbk.	2025	86	28.88925372	1	0.27014955	0
Voksel Electric Tbk.	2021	111	28.69337306	0	0.68692746	0
Voksel Electric Tbk.	2022	88	28.61158038	0	0.73026616	0
Voksel Electric Tbk.	2023	87	28.59539505	1	0.71946711	0
Voksel Electric Tbk.	2024	86	28.23720645	0	0.64627178	0
Voksel Electric Tbk.	2025	86	28.24213901	0	0.68614329	0
Mark Dynamics Indonesia Tbk.	2021	82	27.70655416	1	0.31046011	0
Mark Dynamics Indonesia Tbk.	2022	88	27.63637512	1	0.16072445	0
Mark Dynamics Indonesia Tbk.	2023	60	27.58135883	1	0.11712374	0
Mark Dynamics Indonesia Tbk.	2024	80	27.58585743	1	0.0993311	0
Mark Dynamics Indonesia Tbk.	2025	86	27.65351812	1	0.1174466	0
Cahayaputra Asa Keramik Tbk.	2021	61	26.81281839	1	0.44979971	0
Cahayaputra Asa Keramik Tbk.	2022	87	26.82799227	1	0.43629725	0
Cahayaputra Asa Keramik Tbk.	2023	85	26.86750039	0	0.56938812	1
Cahayaputra Asa Keramik Tbk.	2024	85	26.91418259	0	0.62179596	1
Cahayaputra Asa Keramik Tbk.	2025	86	26.93141445	0	0.707286	1
Communication Cable Systems In	2021	74	26.98369525	1	0.30400951	0
Communication Cable Systems In	2022	60	27.40183482	1	0.45045046	0
Communication Cable Systems In	2023	59	27.34594056	0	0.45577365	0

Communication Cable Systems In	2024	59	27.22451587	1	0.37045419	0
Communication Cable Systems In	2025	89	27.42323372	1	0.31289619	0
Singaraja Putra Tbk.	2021	111	25.88798195	1	0.77123601	0
Singaraja Putra Tbk.	2022	69	27.05799868	1	0.50297574	0
Singaraja Putra Tbk.	2023	117	27.11430533	0	2.04542651	1
Singaraja Putra Tbk.	2024	84	27.41646499	0	1.80066392	1
Singaraja Putra Tbk.	2025	103	28.08158543	0	1.43806849	1
Harapan Duta Pertiwi Tbk.	2021	109	25.9253265	0	0.33391193	0
Harapan Duta Pertiwi Tbk.	2022	88	25.93507831	1	0.33619968	0
Harapan Duta Pertiwi Tbk.	2023	96	25.92710353	0	0.36775451	0
Harapan Duta Pertiwi Tbk.	2024	87	25.83674654	0	0.44515846	0
Harapan Duta Pertiwi Tbk.	2025	73	26.7339962	0	0.66351855	0
Geoprima Solusi Tbk.	2021	117	24.87010514	0	0.21276837	0
Geoprima Solusi Tbk.	2022	102	24.836059	1	0.17872662	0
Geoprima Solusi Tbk.	2023	88	24.85961566	1	0.18251157	0
Geoprima Solusi Tbk.	2024	85	24.74323519	0	0.18205176	0
Geoprima Solusi Tbk.	2025	90	24.61286603	0	0.12716757	0
Ace Oldfields Tbk.	2021	75	26.29321129	1	0.46645548	0
Ace Oldfields Tbk.	2022	86	26.31999167	1	0.44664795	0
Ace Oldfields Tbk.	2023	75	26.30057521	1	0.40817348	0
Ace Oldfields Tbk.	2024	65	26.35140288	1	0.41441581	0
Ace Oldfields Tbk.	2025	75	26.42495026	1	0.42918591	0
Nusatama Berkah Tbk.	2021	90	24.84263411	1	0.61998325	0
Nusatama Berkah Tbk.	2022	86	25.75413451	1	0.40282798	0
Nusatama Berkah Tbk.	2023	73	25.68779584	1	0.33609877	0
Nusatama Berkah Tbk.	2024	85	25.85105217	1	0.43458112	0
Nusatama Berkah Tbk.	2025	85	25.7878368	1	0.4007628	0

Astra Otoparts Tbk.	2021	52	30.46112068	1	0.3010251	0
Astra Otoparts Tbk.	2022	51	30.54994043	1	0.29531985	0
Astra Otoparts Tbk.	2023	51	30.60721592	1	0.25867067	0
Astra Otoparts Tbk.	2024	51	30.67697196	1	0.25876792	0
Astra Otoparts Tbk.	2025	54	30.7496557	1	0.2498774	0
Primarindo Asia Infrastructure	2021	90	26.11080153	0	0.95712039	0
Primarindo Asia Infrastructure	2022	90	26.46133	0	0.72117238	0
Primarindo Asia Infrastructure	2023	91	26.469444	0	0.74521665	0
Primarindo Asia Infrastructure	2024	86	26.49093426	0	0.79431924	1
Primarindo Asia Infrastructure	2025	90	26.43170249	0	0.87313203	1
Garuda Metalindo Tbk.	2021	112	27.9609917	1	0.40489488	0
Garuda Metalindo Tbk.	2022	82	27.99323882	1	0.4014213	0
Garuda Metalindo Tbk.	2023	107	27.92665421	1	0.35140777	0
Garuda Metalindo Tbk.	2024	84	28.1439994	1	0.33127276	0
Garuda Metalindo Tbk.	2025	86	28.11225021	1	0.34951998	0
Chitose Internasional Tbk.	2021	111	26.77228086	0	0.31862377	0
Chitose Internasional Tbk.	2022	83	26.77872185	0	0.34058996	0
Chitose Internasional Tbk.	2023	87	26.82197754	1	0.34408962	0
Chitose Internasional Tbk.	2024	80	26.78382924	1	0.29270907	0
Chitose Internasional Tbk.	2025	86	26.85441122	1	0.2973624	0
Gajah Tunggal Tbk.	2021	91	30.54340966	1	0.61163553	0
Gajah Tunggal Tbk.	2022	88	30.57630248	0	0.62002154	0
Gajah Tunggal Tbk.	2023	87	30.57418233	1	0.55986413	0
Gajah Tunggal Tbk.	2024	80	30.65454826	1	0.54013406	0
Gajah Tunggal Tbk.	2025	86	30.70699077	1	0.51741639	0
Inti Agri Resources Tbk	2021	110	26.42469631	0	0.08331864	0
Inti Agri Resources Tbk	2022	88	26.25138157	0	0.10057063	0

Inti Agri Resources Tbk	2023	94	26.09457988	0	0.10991559	0
Inti Agri Resources Tbk	2024	104	25.99841817	0	0.11718723	0
Inti Agri Resources Tbk	2025	90	25.93056804	0	0.12419807	0
Indomobil Sukses Internasional	2021	89	31.56330954	0	0.74822994	0
Indomobil Sukses Internasional	2022	89	31.68185027	1	0.75337618	0
Indomobil Sukses Internasional	2023	87	31.7727664	1	0.75408326	0
Indomobil Sukses Internasional	2024	86	31.84517742	1	0.76305905	0
Indomobil Sukses Internasional	2025	89	31.99410685	1	0.79566855	0
Indospring Tbk.	2021	110	28.89481405	1	0.1910351	0
Indospring Tbk.	2022	89	28.98749139	1	0.23183985	0
Indospring Tbk.	2023	87	29.12603125	1	0.21720368	0
Indospring Tbk.	2024	85	29.07930667	1	0.17365406	0
Indospring Tbk.	2025	89	29.12660021	1	0.20048729	0
Kedaung Indah Can Tbk	2021	69	25.94738828	1	0.39169049	0
Kedaung Indah Can Tbk	2022	87	25.92544423	1	0.36969275	0
Kedaung Indah Can Tbk	2023	85	25.91759471	0	0.38988525	0
Kedaung Indah Can Tbk	2024	79	26.00847364	0	0.47406542	0
Kedaung Indah Can Tbk	2025	72	26.11842489	0	0.48739842	0
Langgeng Makmur Industri Tbk.	2021	108	27.2801445	0	0.67616161	1
Langgeng Makmur Industri Tbk.	2022	87	27.26615222	0	0.70334575	1
Langgeng Makmur Industri Tbk.	2023	86	27.22750877	0	0.7350004	1
Langgeng Makmur Industri Tbk.	2024	84	27.25240312	0	0.79674449	1
Langgeng Makmur Industri Tbk.	2025	89	27.16811367	0	0.9031713	1
Multi Prima Sejahtera Tbk	2021	89	26.46267305	1	0.08638925	0
Multi Prima Sejahtera Tbk	2022	88	26.54466226	1	0.096856	0
Multi Prima Sejahtera Tbk	2023	88	26.55401875	1	0.06738446	0
Multi Prima Sejahtera Tbk	2024	84	26.64280689	1	0.08238221	0

Multi Prima Sejahtera Tbk	2025	54	26.66230487	1	0.06439055	0
Magna Investama Mandiri Tbk.	2021	83	25.66327997	0	1.07125541	0
Magna Investama Mandiri Tbk.	2022	89	25.64055483	0	0.67193629	0
Magna Investama Mandiri Tbk.	2023	87	25.64351067	0	0.68561723	0
Magna Investama Mandiri Tbk.	2024	85	25.5775505	1	0.75363856	0
Magna Investama Mandiri Tbk.	2025	85	25.56071757	1	0.66758595	0
Asia Pacific Investama Tbk.	2021	94	28.95142511	0	1.03430127	1
Asia Pacific Investama Tbk.	2022	83	29.0072409	0	1.03610997	1
Asia Pacific Investama Tbk.	2023	85	28.94702712	0	1.13237146	1
Asia Pacific Investama Tbk.	2024	84	28.82594248	0	1.1755715	1
Asia Pacific Investama Tbk.	2025	75	28.83932782	1	1.17380372	1
Ricky Putra Globalindo Tbk	2021	88	28.15829904	0	0.82086719	0
Ricky Putra Globalindo Tbk	2022	88	28.13862026	0	0.93452301	0
Ricky Putra Globalindo Tbk	2023	87	28.06737251	0	0.98000972	0
Ricky Putra Globalindo Tbk	2024	176	28.02252887	0	1.05855595	1
Ricky Putra Globalindo Tbk	2025	90	28.2362546	0	0.85270609	0
Selamat Sempurna Tbk.	2021	94	28.98398152	1	0.24741875	0
Selamat Sempurna Tbk.	2022	89	29.10797326	1	0.24215695	0
Selamat Sempurna Tbk.	2023	88	29.15464359	1	0.20643181	0
Selamat Sempurna Tbk.	2024	84	29.23322069	1	0.20909282	0
Selamat Sempurna Tbk.	2025	72	29.27257727	1	0.16586852	0
Trisula International Tbk.	2021	89	27.68999048	1	0.37907662	0
Trisula International Tbk.	2022	75	27.79467586	1	0.3954666	0
Trisula International Tbk.	2023	88	27.78766948	1	0.38034794	0
Trisula International Tbk.	2024	83	27.86161407	1	0.38810941	0
Trisula International Tbk.	2025	86	27.9379434	1	0.38119688	0
Integra Indocabinet Tbk.	2021	109	29.54809589	1	0.46441419	0

Integra Indocabinet Tbk.	2022	87	29.57067535	1	0.45939897	0
Integra Indocabinet Tbk.	2023	87	29.66741438	1	0.4373085	0
Integra Indocabinet Tbk.	2024	84	29.69034814	1	0.42903688	0
Integra Indocabinet Tbk.	2025	86	29.71079442	1	0.43196542	0
Hartadinata Abadi Tbk.	2021	104	28.87749987	1	0.5642553	0
Hartadinata Abadi Tbk.	2022	83	28.97885698	1	0.5524722	0
Hartadinata Abadi Tbk.	2023	81	29.24633443	1	0.6077939	0
Hartadinata Abadi Tbk.	2024	85	29.41605527	1	0.60572929	0
Hartadinata Abadi Tbk.	2025	84	30.1649115	1	0.74364317	0
Trisula Textile Industries Tbk	2021	87	26.98566094	1	0.50469849	0
Trisula Textile Industries Tbk	2022	75	26.98815054	1	0.5027684	0
Trisula Textile Industries Tbk	2023	86	26.99622085	1	0.49957007	0
Trisula Textile Industries Tbk	2024	80	27.09198024	1	0.53497496	0
Trisula Textile Industries Tbk	2025	85	27.06163608	1	0.51071584	0
Mega Perintis Tbk.	2021	84	27.05608195	1	0.49573173	0
Mega Perintis Tbk.	2022	88	27.20297481	1	0.46784563	0
Mega Perintis Tbk.	2023	117	27.3472734	1	0.50051611	0
Mega Perintis Tbk.	2024	87	27.34166307	1	0.5049387	0
Mega Perintis Tbk.	2025	90	27.35818311	1	0.49502512	0
Golden Flower Tbk.	2021	174	26.03753101	0	0.31787457	0
Golden Flower Tbk.	2022	149	26.06721583	0	0.38403852	0
Golden Flower Tbk.	2023	170	25.97114771	0	0.36090563	0
Golden Flower Tbk.	2024	133	26.04472103	1	0.3867728	0
Golden Flower Tbk.	2025	110	26.20918494	0	0.53710329	0
Inocycle Technology Group Tbk.	2021	115	27.51530921	1	0.62421744	0
Inocycle Technology Group Tbk.	2022	86	27.630593	0	0.70671553	0
Inocycle Technology Group Tbk.	2023	87	27.62914607	0	0.7346912	0

Inocycle Technology Group Tbk.	2024	85	27.65704799	1	0.6949737	0
Inocycle Technology Group Tbk.	2025	106	27.61038611	1	0.67169775	0
Gaya Abadi Sempurna Tbk.	2021	116	26.70353309	1	0.4826196	0
Gaya Abadi Sempurna Tbk.	2022	87	26.8236577	1	0.44891623	0
Gaya Abadi Sempurna Tbk.	2023	88	26.88357254	1	0.26911111	0
Gaya Abadi Sempurna Tbk.	2024	87	26.788123	1	0.18582769	0
Gaya Abadi Sempurna Tbk.	2025	89	26.73034107	0	0.19440623	0
Selaras Citra Nusantara Perkas	2021	82	27.00630947	0	0.26947498	0
Selaras Citra Nusantara Perkas	2022	83	26.90170246	0	0.19847769	0
Selaras Citra Nusantara Perkas	2023	81	26.73851314	0	0.13717026	0
Selaras Citra Nusantara Perkas	2024	73	26.74285651	1	0.1146961	0
Selaras Citra Nusantara Perkas	2025	85	26.77518184	1	0.18161841	0
Panca Anugrah Wisesa Tbk.	2021	116	26.0770215	1	0.55815942	0
Panca Anugrah Wisesa Tbk.	2022	104	26.30419828	1	0.58868746	0
Panca Anugrah Wisesa Tbk.	2023	96	26.42478068	1	0.56524487	0
Panca Anugrah Wisesa Tbk.	2024	164	26.31455526	1	0.48862774	0
Panca Anugrah Wisesa Tbk.	2025	90	25.95924503	0	0.31791298	0
Caturkarda Depo Bangunan Tbk.	2021	98	28.15650167	1	0.34043555	0
Caturkarda Depo Bangunan Tbk.	2022	80	28.20779568	1	0.34262312	0
Caturkarda Depo Bangunan Tbk.	2023	85	28.36215244	1	0.40274565	0
Caturkarda Depo Bangunan Tbk.	2024	84	28.45313583	1	0.4245743	0
Caturkarda Depo Bangunan Tbk.	2025	86	28.44948637	1	0.40119247	0
Dharma Polimetal Tbk.	2021	63	28.56197507	1	0.57345385	0
Dharma Polimetal Tbk.	2022	59	28.61795431	1	0.47737991	0
Dharma Polimetal Tbk.	2023	64	28.850535	1	0.40029467	0
Dharma Polimetal Tbk.	2024	65	28.97688109	1	0.35750561	0
Dharma Polimetal Tbk.	2025	71	31.42170956	1	0.0305107	0

Sepeda Bersama Indonesia Tbk.	2021	104	25.63421068	1	0.60096388	0
Sepeda Bersama Indonesia Tbk.	2022	41	25.72436367	1	0.19163061	0
Sepeda Bersama Indonesia Tbk.	2023	72	26.27317815	1	0.49955838	0
Sepeda Bersama Indonesia Tbk.	2024	73	26.53536897	1	0.615336	0
Sepeda Bersama Indonesia Tbk.	2025	69	26.44357577	0	0.72229034	0

LAMPIRAN 3 Hasil Olah Data

Hasil Data Outlier

Dependent Variable: Y
Method: Least Squares
Date: 07/18/26 Time: 15:25
Sample: 1 700
Included observations: 700
Indicator Saturation: IIS, 700 indicators searched over 24 blocks
65 IIS variables detected

Variable	Coefficient	Std. Error	t-Statistic	Prob.
X1	-0.947747	0.183355	-5.168923	0.0000
X2	-2.027679	0.823068	-2.463562	0.0140
X3	0.015573	0.029161	0.534030	0.5935
X4	1.064905	1.189451	0.895292	0.3710
C	112.4687	5.092142	22.08672	0.0000
@ISPERIOD("1")	19.43641	7.651279	2.540283	0.0113
@ISPERIOD("29")	-26.02091	7.651509	-3.400755	0.0007
@ISPERIOD("72")	25.50339	7.662226	3.328457	0.0009
@ISPERIOD("86")	23.14656	7.678876	3.014316	0.0027
@ISPERIOD("118")	-22.07792	7.652403	-2.885096	0.0040
@ISPERIOD("119")	28.91583	7.669181	3.770394	0.0002
@ISPERIOD("133")	-28.35396	7.661163	-3.700999	0.0002
@ISPERIOD("134")	-27.35841	7.661117	-3.571073	0.0004
@ISPERIOD("138")	-24.08716	7.677571	-3.137341	0.0018
@ISPERIOD("158")	27.41218	7.712284	3.554353	0.0004
@ISPERIOD("180")	-25.63520	7.652512	-3.349907	0.0009
@ISPERIOD("181")	-25.80433	7.684498	-3.357972	0.0008
@ISPERIOD("208")	25.39948	7.676613	3.308684	0.0010
@ISPERIOD("242")	-23.00108	7.655799	-3.004400	0.0028
@ISPERIOD("243")	-23.98254	7.655939	-3.132541	0.0018
@ISPERIOD("244")	-26.97803	7.655954	-3.523797	0.0005
@ISPERIOD("245")	-26.97617	7.655966	-3.523549	0.0005
@ISPERIOD("315")	-27.24731	7.651208	-3.561178	0.0004
@ISPERIOD("331")	-23.91506	7.651703	-3.125457	0.0019
@ISPERIOD("332")	-23.95959	7.651605	-3.131316	0.0018
@ISPERIOD("334")	-26.06296	7.651419	-3.406291	0.0007
@ISPERIOD("339")	26.38123	7.651321	3.447932	0.0006
@ISPERIOD("350")	21.55620	7.653315	2.816583	0.0050
@ISPERIOD("364")	-23.23183	7.654384	-3.035101	0.0025
@ISPERIOD("365")	-23.14669	7.654876	-3.023783	0.0026
@ISPERIOD("389")	27.49576	7.756435	3.544897	0.0004
@ISPERIOD("395")	-24.37475	7.653624	-3.184733	0.0015
@ISPERIOD("396")	-23.36078	7.653694	-3.052223	0.0024
@ISPERIOD("398")	-24.14529	7.654876	-3.154236	0.0017
@ISPERIOD("399")	26.58668	7.687673	3.458352	0.0006
@ISPERIOD("413")	-24.50804	7.654357	-3.201842	0.0014
@ISPERIOD("414")	-25.39952	7.653792	-3.318553	0.0010
@ISPERIOD("415")	-26.43525	7.653974	-3.453794	0.0006
@ISPERIOD("416")	-24.28250	7.653227	-3.172844	0.0016
@ISPERIOD("417")	-27.04630	7.652299	-3.534401	0.0004
@ISPERIOD("423")	-27.31599	7.653922	-3.568888	0.0004

@ISPERIOD("424")	-29.24477	7.654303	-3.820697	0.0001
@ISPERIOD("425")	-22.39866	7.688080	-2.913427	0.0037
@ISPERIOD("430")	25.73484	7.671407	3.354644	0.0008
@ISPERIOD("459")	-20.86447	7.666423	-2.721539	0.0067
@ISPERIOD("462")	-25.26337	7.654208	-3.300585	0.0010
@ISPERIOD("463")	-25.20258	7.654545	-3.292499	0.0010
@ISPERIOD("475")	26.63248	7.660869	3.476431	0.0005
@ISPERIOD("480")	-27.25518	7.651225	-3.562199	0.0004
@ISPERIOD("512")	28.35740	7.678194	3.693238	0.0002
@ISPERIOD("532")	25.71462	7.681263	3.347707	0.0009
@ISPERIOD("539")	-24.30274	7.653340	-3.175442	0.0016
@ISPERIOD("542")	-24.03630	7.657929	-3.138746	0.0018
@ISPERIOD("548")	-24.47807	7.654156	-3.198011	0.0015
@ISPERIOD("549")	-25.64487	7.655138	-3.350021	0.0009
@ISPERIOD("551")	25.08218	7.666906	3.271487	0.0011
@ISPERIOD("553")	29.13201	7.711100	3.777931	0.0002
@ISPERIOD("561")	28.09852	7.693039	3.652460	0.0003
@ISPERIOD("569")	-20.47306	7.661949	-2.672043	0.0077
@ISPERIOD("576")	-29.57632	7.659083	-3.861600	0.0001
@ISPERIOD("577")	-30.49205	7.659840	-3.980768	0.0001
@ISPERIOD("578")	-30.43719	7.660351	-3.973342	0.0001
@ISPERIOD("579")	-30.37109	7.660987	-3.964383	0.0001
@ISPERIOD("580")	-27.30206	7.661673	-3.563459	0.0004
@ISPERIOD("587")	23.02086	7.652086	3.008443	0.0027
@ISPERIOD("590")	23.89964	7.679192	3.112260	0.0019
@ISPERIOD("600")	22.57389	7.680550	2.939098	0.0034
@ISPERIOD("656")	20.91871	7.651383	2.733978	0.0064
@ISPERIOD("674")	21.71614	7.653171	2.837535	0.0047
@ISPERIOD("693")	-24.32592	7.651183	-3.179367	0.0015

R-squared	0.576361	Mean dependent var	83.43429
Adjusted R-squared	0.529963	S.D. dependent var	11.14837
S.E. of regression	7.643239	Akaike info criterion	7.000160
Sum squared resid	36804.04	Schwarz criterion	7.455268
Log likelihood	-2380.056	Hannan-Quinn criter.	7.176086
F-statistic	12.42197	Durbin-Watson stat	1.337826
Prob(F-statistic)	0.000000		

Hasil Uji Statistik Deskriptif

Date: 07/18/26
Time: 15:51
Sample: 2021 2025

	X1	X2	X3	X4	Y
Mean	28.28192	0.770000	1.049724	0.085714	83.43429
Median	28.23927	1.000000	0.409469	0.000000	86.00000
Maximum	33.86025	1.000000	196.4293	1.000000	117.0000
Minimum	24.56828	0.000000	0.000154	0.000000	51.00000
Std. Dev.	1.733535	0.421133	9.920781	0.280142	11.14837
Skewness	0.425506	-1.283171	17.93533	2.959800	-0.540560

Kurtosis	3.190900	2.646527	331.4216	9.760417	4.478925
Jarque-Bera	22.18608	195.7390	3183468.	2355.060	97.88458
Probability	0.000015	0.000000	0.000000	0.000000	0.000000
Sum	19797.35	539.0000	734.8068	60.00000	58404.00
Sum Sq. Dev.	2100.596	123.9700	68796.91	54.85714	86875.98
Observations	700	700	700	700	700

Hasil Estimasi FEM

Dependent Variable: Y
Method: Panel Least Squares
Date: 07/18/26 Time: 15:54
Sample: 2021 2025
Periods included: 5
Cross-sections included: 154
Total panel (unbalanced) observations: 700

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	128.5872	39.96255	3.217692	0.0014
X1	-1.589321	1.411142	-1.126266	0.2606
X2	-0.587182	1.163521	-0.504659	0.6140
X3	0.121911	0.041162	2.961716	0.0032
X4	1.403817	2.070026	0.678164	0.4980

Effects Specification

Cross-section fixed (dummy variables)

Root MSE	6.755270	R-squared	0.632308
Mean dependent var	83.43429	Adjusted R-squared	0.525800
S.D. dependent var	11.14837	S.E. of regression	7.677010
Akaike info criterion	7.109952	Sum squared resid	31943.57
Schwarz criterion	8.137195	Log likelihood	-2330.483
Hannan-Quinn criter.	7.507042	F-statistic	5.936696
Durbin-Watson stat	1.806107	Prob(F-statistic)	0.000000

Hasil Estimasi REM

Dependent Variable: Y
Method: Panel EGLS (Cross-section random effects)
Date: 07/18/26 Time: 15:57
Sample: 2021 2025
Periods included: 5
Cross-sections included: 154
Total panel (unbalanced) observations: 700
Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	135.4028	10.59255	12.78284	0.0000
X1	-1.797975	0.376171	-4.779678	0.0000
X2	-1.773463	1.040344	-1.704690	0.0887
X3	0.092490	0.037855	2.443286	0.0148
X4	1.718059	1.701976	1.009450	0.3131

Effects Specification	S.D.	Rho
Cross-section random	7.170974	0.4660
Idiosyncratic random	7.677010	0.5340

Weighted Statistics

Root MSE	7.709646	R-squared	0.053163
Mean dependent var	37.23324	Adjusted R-squared	0.047714
S.D. dependent var	8.306546	S.E. of regression	7.737329
Sum squared resid	41607.05	F-statistic	9.755710
Durbin-Watson stat	1.378335	Prob(F-statistic)	0.000000

Unweighted Statistics

R-squared	0.108622	Mean dependent var	83.43429
Sum squared resid	77439.29	Durbin-Watson stat	0.740560

Hasil estimasi CEM

Dependent Variable: Y
Method: Panel Least Squares
Date: 07/18/26 Time: 15:55
Sample: 2021 2025
Periods included: 5
Cross-sections included: 154
Total panel (unbalanced) observations: 700

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	133.1061	6.691797	19.89094	0.0000

X1	-1.666504	0.240849	-6.919300	0.0000
X2	-3.515168	1.082453	-3.247410	0.0012
X3	0.028167	0.040093	0.702545	0.4826
X4	1.600943	1.584295	1.010508	0.3126

Root MSE	10.47550	R-squared	0.115806
Mean dependent var	83.43429	Adjusted R-squared	0.110717
S.D. dependent var	11.14837	S.E. of regression	10.51311
Akaike info criterion	7.550241	Sum squared resid	76815.26
Schwarz criterion	7.582749	Log likelihood	-2637.584
Hannan-Quinn criter.	7.562807	F-statistic	22.75655
Durbin-Watson stat	0.751671	Prob(F-statistic)	0.000000

Hasil Uji *Chow*

Redundant Fixed Effects Tests
Equation: PERSAMAAN
Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	4.976188	(153,542)	0.0000
Cross-section Chi-square	614.202641	153	0.0000

Hasil Uji *Hausman*

Correlated Random Effects - Hausman Test
Equation: PERSAMAAN
Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	8.395247	4	0.0781

Hasil Uji *Lagrange Multiplier*

Lagrange Multiplier Tests for Random Effects
Null hypotheses: No effects
Alternative hypotheses: Two-sided (Breusch-Pagan) and one-sided (all others) alternatives

	Test Hypothesis		
	Cross-section	Time	Both

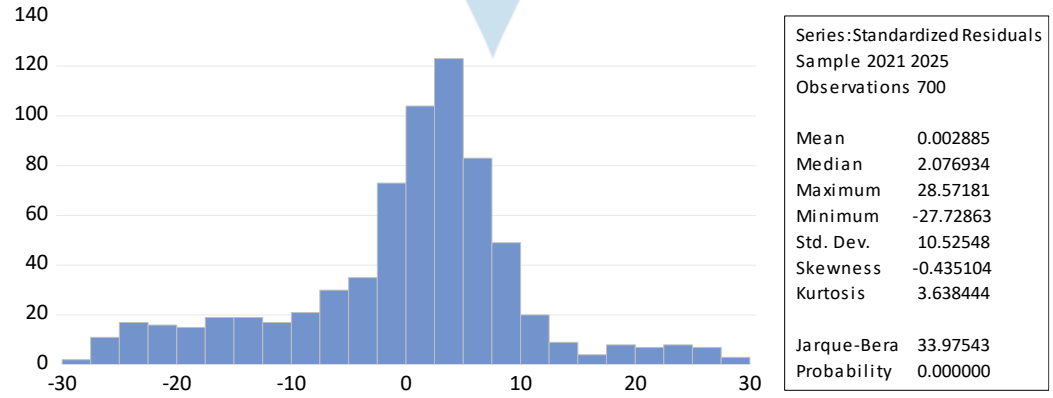
Breusch-Pagan	248.2137 (0.0000)	31.70876 (0.0000)	279.9225 (0.0000)
Honda	15.75480 (0.0000)	5.631053 (0.0000)	15.12208 (0.0000)
King-Wu	15.75480 (0.0000)	5.631053 (0.0000)	8.074915 (0.0000)
Standardized Honda	16.06331 (0.0000)	6.651737 (0.0000)	8.030671 (0.0000)
Standardized King-Wu	16.06331 (0.0000)	6.651737 (0.0000)	5.942293 (0.0000)
Gourieroux, et al.	--	--	279.9225 (0.0000)

Uji Asumsi Klasik

Uji multikolinearitas

	X1	X2	X3	X4
X1	1.000000	0.296112	0.017205	-0.194208
X2	0.296112	1.000000	0.017880	-0.438969
X3	0.017205	0.017880	1.000000	0.434255
X4	-0.194208	-0.438969	0.434255	1.000000

Uji normalitas



Uji heterokedastisitas

Dependent Variable: RESID^2
Method: Panel EGLS (Cross-section random effects)
Date: 07/18/26 Time: 16:10
Sample: 2021 2025
Periods included: 5
Cross-sections included: 154
Total panel (unbalanced) observations: 700
Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-127.4187	167.7974	-0.759361	0.4479
X1	8.334186	5.973359	1.395226	0.1634
X2	8.259987	18.85430	0.438096	0.6615
X3	-0.622659	0.690510	-0.901739	0.3675
X4	-16.89557	30.09017	-0.561498	0.5746

Effects Specification	S.D.	Rho
Cross-section random	105.3496	0.3453
Idiosyncratic random	145.0663	0.6547

Weighted Statistics

Root MSE	145.7652	R-squared	0.005831
Mean dependent var	60.05252	Adjusted R-squared	0.000110
S.D. dependent var	146.5871	S.E. of regression	146.2886
Sum squared resid	14873247	F-statistic	1.019164
Durbin-Watson stat	1.455719	Prob(F-statistic)	0.396537

Unweighted Statistics

R-squared	0.009665	Mean dependent var	110.6276
Sum squared resid	22380834	Durbin-Watson stat	0.967402

Uji autokorelasi

Root MSE	7.709646	R-squared	0.053163
Mean dependent var	37.23324	Adjusted R-squared	0.047714
S.D. dependent var	8.306546	S.E. of regression	7.737329
Sum squared resid	41607.05	F-statistic	9.755710
Durbin-Watson stat	1.378335	Prob(F-statistic)	0.000000

Analisis regresi data panel

Dependent Variable: Y
Method: Panel EGLS (Cross-section random effects)
Date: 07/18/26 Time: 15:57
Sample: 2021 2025
Periods included: 5
Cross-sections included: 154
Total panel (unbalanced) observations: 700
Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	135.4028	10.59255	12.78284	0.0000
X1	-1.797975	0.376171	-4.779678	0.0000
X2	-1.773463	1.040344	-1.704690	0.0887
X3	0.092490	0.037855	2.443286	0.0148
X4	1.718059	1.701976	1.009450	0.3131

Effects Specification	S.D.	Rho
Cross-section random	7.170974	0.4660
Idiosyncratic random	7.677010	0.5340

Weighted Statistics

Root MSE	7.709646	R-squared	0.053163
Mean dependent var	37.23324	Adjusted R-squared	0.047714
S.D. dependent var	8.306546	S.E. of regression	7.737329
Sum squared resid	41607.05	F-statistic	9.755710
Durbin-Watson stat	1.378335	Prob(F-statistic)	0.000000

Unweighted Statistics

R-squared	0.108622	Mean dependent var	83.43429
Sum squared resid	77439.29	Durbin-Watson stat	0.740560

Hasil Uji t

Dependent Variable: Y
Method: Panel EGLS (Cross-section random effects)
Date: 07/18/26 Time: 15:57
Sample: 2021 2025
Periods included: 5
Cross-sections included: 154
Total panel (unbalanced) observations: 700
Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.

C	135.4028	10.59255	12.78284	0.0000
X1	-1.797975	0.376171	-4.779678	0.0000
X2	-1.773463	1.040344	-1.704690	0.0887
X3	0.092490	0.037855	2.443286	0.0148
X4	1.718059	1.701976	1.009450	0.3131

Hasil Uji f

Root MSE	7.709646	R-squared	0.053163
Mean dependent var	37.23324	Adjusted R-squared	0.047714
S.D. dependent var	8.306546	S.E. of regression	7.737329
Sum squared resid	41607.05	F-statistic	9.755710
Durbin-Watson stat	1.378335	Prob(F-statistic)	0.000000

Hasil uji R^2

Root MSE	7.709646	R-squared	0.053163
Mean dependent var	37.23324	Adjusted R-squared	0.047714
S.D. dependent var	8.306546	S.E. of regression	7.737329
Sum squared resid	41607.05	F-statistic	9.755710
Durbin-Watson stat	1.378335	Prob(F-statistic)	0.000000