

LAMPIRAN

Lampiran 1 : Kode Nama Perusahaan

No	Kode Perusahaan	Nama Perusahaan
1	ALKA	Alakasa Industrindo Tbk
2	ADES	Akasha Wira International Tbk
3	AGII	Aneka Gas Industri Tbk
4	AKPI	Argha Karya Prima Industry Tbk
5	ALDO	Alkindo Naratama Tbk
6	AMFG	Asahimas Flat Glass Tbk
7	AMIN	Ateliers Mecaniques D'Indonesie Tbk
8	APLI	Asiaplast Industries Tbk
9	ARNA	Arwana Citramulia Tbk
10	ASII	Astra International Tbk
11	AUTO	Astra Otoparts Tbk
12	BAJA	Saranacentral Bajatama Tbk
13	BATA	Sepatu Bata Tbk
14	BELL	Trisula Textile Industries Tbk
15	BOLT	Garuda Metalindo Tbk
16	BRNA	Berlina Tbk
17	BTON	Betonjaya Manunggal Tbk
18	BUDI	Budi Starch and Sweetener Tbk
19	CAKK	Cahayaputra Asa Keramik Tbk
20	CAMP	Campina Ice Cream Industry Tbk
21	CEKA	Cahaya Kalbar Tbk
22	CINT	Chitose International Tbk
23	CLEO	Sariguna Primatirta Tbk
24	CPIN	Charoen Pokphand Indonesia Tbk
25	DLTA	Delta Djakarta Tbk
26	DPNS	(Duta Pertiwi Nusantara Tbk
27	DVLA	Darya Varia Laboratoria Tbk
28	EKAD	Ekadharna International Tbk
29	FASW	Fajar Surya Wisesa Tbk
30	GDST	Gunawan Dianjaya Steel Tbk
31	GGRM	Gudang Garam Tbk
32	GJTL	Gajah Tunggal Tbk
33	GOOD	Garudafood Putra Putri Jaya Tbk
34	HMSP	Hanjaya MandalaSampoerna Tbk
35	HOKI	Buyung Poetra Sembada Tbk
36	HRTA	Hartadinata Abadi Tbk
37	ICBP	Indofood CBP Sukses Makmur Tbk
38	IGAR	Champion Pacific Indonesia Tbk
39	IKAI	Intikeramik Alamasri Industri Tbk

40	IMAS	Indomobil Sukses Internasional Tbk
41	IMPC	Impack Pratama Industri Tbk
42	INAF	Indofarma Tbk
43	INAI	Indal Aluminium Industry Tbk
44	INCF	Indo Komoditi Korpora Tbk
45	INCI	Intan Wijaya International Tbk
46	INDF	Indofood Sukses Makmur Tbk
47	INDS	Indospring Tbk
48	INTP	Indocement Tunggul Prakasa Tbk
49	ISSP	Steel Pipe Industry of Indonesia Tbk
50	JECC	Jembo Cable Company Tbk
51	JPFA	Japfa Comfeed Indonesia Tbk
52	JSKY	Sky Energy Indonesia Tbk
53	KAEF	Kimia Farma Tbk
54	KBLI	KMI Wire & Cable Tbk
55	KDSI	Kedawung Setia Industrial Tbk
56	KICI	Kedaung Indah Can Tbk
57	KINO	Kino Indonesia Tbk
58	KLBF	Kalbe Farma Tbk
59	KMTR	Kirana Megatara Tbk
60	KPAL	Steadfast Marine Tbk
61	LION	Lion Metal Works Tbk
62	LMPI	Langgeng Makmur Industri Tbk
63	LMSH	Lionmesh Prima Tbk
64	MAIN	Malindo Feedmill Tbk
65	MARK	Mark Dynamics Indonesia Tbk
66	MBTO	Martina Berto Tbk
67	MDKI	Emdeki Utama Tbk
68	MERK	Merck Indonesia Tbk
69	MLBI	Multi Bintang Indonesia Tbk
70	MLIA	Mulia Industrindo Tbk
71	MOLI	Madusari Murni Indah Tbk
72	MRAT	Mustika Ratu Tbk
73	MYOR	Mayora Indah Tbk
74	NIPS	Nipress Tbk
75	PANI	Pratama Abadi Nusa Industri Tbk
76	PBID	Panca Budi Idaman Tbk
77	PCAR	Prima Cakrawala Abadi Tbk
78	PEHA	Phapros Tbk
79	PICO	Pelangi Indah Canindo Tbk
80	PRAS	Prima Alloy Steel Universal Tbk

81	PSDN	Prasidha Aneka Niaga Tbk
82	PYFA	Pyridam Farma Tbk
83	RICY	Ricky Putra Globalindo Tbk
84	ROTI	Nippon Indosari Corpindo Tbk
85	SCCO	Supreme Cable Manufacturing Corporation Tbk
86	SIDO	Industri Jamu dan Farmasi Sido Tbk
87	SIPD	Sierad Produce Tbk
88	SKBM	Sekar Bumi Tbk
89	SKLT	Sekar Laut Tbk
90	SMBR	Semen Baturaja Tbk
91	SMGR	Semen Indonesia (Persero) Tbk
92	SMSM	Selamat Sempurna Tbk
93	SPMA	Suparma Tbk
94	SQBB	Taisho Pharmaceutical Indonesia Tbk
95	SRSN	Indo Acitama Tbk
96	SSTM	Sunson Textile Manufacture Tbk
97	STAR	Star Petrochem Tbk
98	STTP	Siantar Top Tbk
99	SWAT	Sriwahana Adityakarta Tbk
100	TALF	Tunas Alfin Tbk
101	TCID	Mandom Indonesia Tbk
102	TRIT	Tirta Mahakam Resources Tbk
103	TOTO	Surya Toto Indonesia Tbk
104	TRIS	Trisula International Tbk
105	TRST	Trias Sentosa Tbk
106	TSPC	Tempo Scan Pacific Tbk
107	ULTJ	Ultra Jaya Milk Industry and Trading Company Tbk
108	UNIT	Nusantara Inti Corpora Tbk
109	UNVR	Unilever Indonesia Tbk
110	VOKS	Voksel Electric Tbk
111	WIIM	Wismilak Inti Makmur Tbk
112	WOOD	Integra Indocabinet Tbk
113	WSBP	Waskita Beton Precast Tbk
114	WTON	Wijaya Karya Beton Tbk
115	ZONE	Mega Perintis Tbk

Lampiran 2 : Tabulasi Data Perusahaan

NO	Perusahaan	tahun	DER	ROA	TAN	LIQ	AGE
1	ALKA	2016	1.235827	0.003777	0.176081	0.918893	43
2		2017	2.888459	0.050477	0.074058	1.298062	44
3		2018	5.442585	0.035355	0.031171	1.161771	45
4	ADES	2015	0.989299	0.050272	0.435348	1.386023	30
5		2016	0.996626	0.072902	0.48754	1.635139	31
6		2017	0.496557	0.045513	0.569107	1.201545	32
7		2018	0.453163	0.060092	0.507502	1.387737	33
8	AGII	2015	1.793	0.008531	0.769476	1.07216	44
9		2016	1.085513	0.009387	0.721193	1.127307	45
10		2017	0.88493	0.013363	0.729498	1.504776	46
11		2018	1.111879	0.015002	0.727345	1.221987	47
12	AKPI	2015	1.603134	0.009588	0.587015	1.030634	35
13		2016	1.33556	0.020235	0.620199	1.128758	36
14		2017	1.436797	0.004857	0.578519	1.043427	37
15		2018	1.488512	0.020918	0.545558	1.015097	38
16	ALDO	2015	1.141304	0.065788	0.321335	1.344415	26
17		2016	1.042586	0.061487	0.270811	1.478303	27
18		2017	2.481351	0.058221	0.295988	1.440449	28
19		2018	0.937218	0.08079	0.284548	1.613038	29
20	AMFG	2015	0.259585	0.079935	0.42688	4.654344	43
21		2016	0.529449	0.047311	0.639469	2.01983	44
22		2017	0.766141	0.006057	0.638946	2.009545	45
23		2018	1.344569	0.000782	0.704454	1.270293	46
24	AMIN	2015	0.688879	0.058332	0.34152	1.834561	43
25		2016	0.559818	0.094324	0.273518	2.312981	44
26		2017	0.667838	0.127755	0.20409	2.20809	45
27		2018	0.981498	0.108291	0.276152	1.783038	46
28	APLI	2015	0.392935	0.006007	0.554433	1.178453	23
29		2016	0.275727	0.079846	0.737074	1.495186	24
30		2017	0.754961	0.031018	0.654963	1.716536	25
31	ARNA	2015	0.599122	0.048772	0.618399	1.020687	22
32		2016	0.627714	0.058633	0.556434	1.350735	23
33		2017	0.555611	0.075455	0.520627	1.626247	24
34		2018	0.515344	0.094756	0.481303	1.736267	25
35	ASII	2015	0.939692	0.063614	0.169911	1.379305	58

36		2016	0.87165	0.069894	0.165118	1.239383	59
37		2017	0.890227	0.078156	0.163614	1.231012	60
38		2018	0.976973	0.079406	0.167482	1.147183	61
39	AUTO	2015	0.413636	0.022505	0.244591	1.322897	24
40		2016	0.386817	0.033083	0.246356	1.50512	25
41		2017	0.37208	0.037107	0.23891	1.719065	26
42		2018	0.410703	0.042846	0.220201	1.478763	27
43	BAJA	2016	4.00059	0.05454	0.224464	0.966507	23
44	BATA	2015	0.453357	0.162864	0.295182	2.471002	84
45		2016	0.444379	0.052479	0.272825	2.570101	85
46		2017	0.477089	0.062703	0.255872	2.46403	86
47		2018	0.376957	0.077487	0.273705	2.927685	87
48	BELL	2017	0.934436	0.032086	0.262335	1.774693	49
49		2018	0.979116	0.04665	0.314041	1.569978	50
50	BOLT	2015	0.172093	0.106334	0.457337	4.391026	33
51		2016	0.254189	0.09258	0.051346	4.144293	34
52		2017	0.649559	0.078419	0.515032	3.127025	35
53		2018	0.778204	0.057711	0.47313	1.798435	36
54	BRNA	2016	1.031109	0.006064	0.572997	1.387378	3
55	BTON	2015	0.228109	0.03453	0.071867	4.357628	20
56		2017	0.189093	0.061967	0.059988	5.474758	22
57		2018	0.186771	0.127956	0.046167	5.7881	23
58	BUDI	2015	1.954942	0.006452	0.524297	1.000842	68
59		2016	1.515753	0.012492	0.60433	10.01421	69
60		2017	1.460413	0.015544	0.634074	1.007356	70
61		2018	1.766428	0.014874	0.55157	1.003156	71
62	CAKK	2016	1.33348	0.00786	0.758906	0.600915	21
63		2017	1.326796	0.008516	0.710917	0.605598	22
64		2018	0.488987	0.040445	0.569499	1.572057	23
65	CAMP	2016	0.865002	0.05114	0.21082	3.971783	44
66		2017	0.44548	0.035851	0.181308	15.82232	45
67		2018	0.134233	0.061683	0.213585	10.83903	46
68	CEKA	2015	0.569335	0.07171	0.148741	1.534677	27
69		2016	0.377319	0.175108	0.15146	2.1893	28
70		2017	0.542157	0.077135	0.152454	2.224388	29
71		2018	0.196906	0.079259	0.171113	5.113019	30
72	CINT	2015	0.214979	0.077005	0.415491	3.48077	37
73		2016	0.223347	0.051633	0.455285	3.160344	38

74		2017	0.246692	0.06221	0.492578	3.189957	39
75		2018	0.264236	0.027583	0.522807	2.708298	40
76	CLEO	2016	1.337937	0.084748	0.715603	0.586149	28
77		2017	1.218073	0.075916	0.618767	1.233955	29
78		2018	0.312292	0.07586	0.660099	1.640033	30
79	CPIN	2015	0.948644	0.073549	0.453898	2.114167	43
80		2016	0.709613	0.091918	0.464005	2.17277	44
81		2017	0.561561	0.101901	0.448769	2.31848	45
82		2018	0.425655	0.16464	0.422688	2.978735	46
83	DLTA	2015	0.222099	0.184957	0.101427	6.423682	45
84		2016	0.183157	0.212481	0.080377	7.60388	46
85		2017	0.171404	0.208655	0.067106	8.637835	47
86		2018	0.186388	0.22194	0.059199	7.198274	48
87	DPNS	2015	0.137536	0.035918	0.044899	13.35009	33
88		2016	0.124837	0.033799	0.04028	15.16447	34
89		2017	0.151795	0.01933	0.035696	9.621356	35
90	DVLA	2015	0.413717	0.078395	0.187655	3.522906	21
91		2016	0.418483	0.099312	0.264208	2.854933	22
92		2017	4.510628	0.098879	0.241326	2.662126	23
93		2018	0.402046	0.119235	0.234577	2.888992	24
94	EKAD	2015	0.334736	0.120991	0.247878	3.568799	34
95		2016	0.186661	0.129089	0.505007	4.885603	35
96		2017	0.202092	0.095631	0.457914	4.51917	36
97		2018	0.177458	0.086778	0.435456	5.049933	37
98	FASW	2016	1.71755	0.090643	0.730695	1.075123	29
99		2017	1.849448	0.063594	0.68675	0.741795	30
100		2018	1.556963	0.128167	0.66245	1.17262	31
101	GDST	2016	0.511327	0.025211	0.599392	1.240376	27
102	GGRM	2015	0.670847	0.101611	0.316611	1.770359	57
103		2016	0.591125	0.105997	0.32563	1.937891	58
104		2017	0.582451	0.116168	0.32068	1.935536	59
105		2018	0.530959	0.112784	0.32937	2.058063	60
106	GJTL	2015	2.246022	0.001059	0.498811	1.778082	64
107		2016	2.197198	0.03351	0.488347	1.730545	65
108		2017	2.197343	0.002475	0.489257	1.629934	66
109	GOOD	2017	1.507369	0.105764	0.518837	0.993719	23
110		2018	0.692052	0.101244	0.541433	1.182495	24
111	HMSP	2015	0.187239	0.272642	0.165247	6.567409	52

112		2016	0.243841	0.300229	0.162215	5.234131	53
113		2017	0.264652	0.2937	0.159726	5.272923	54
114		2018	0.318007	0.290509	0.156396	4.301966	55
115	HOKI	2017	0.212158	0.083132	0.294221	4.566974	40
116		2018	0.347461	0.118858	0.347115	2.678405	41
117	HRTA	2017	0.423408	0.077762	0.067148	3.78213	14
118		2018	0.406606	0.080281	0.059812	3.686841	15
119	ICBP	2015	0.620844	0.110056	0.246819	2.326008	6
120		2016	0.562198	0.125642	0.246153	2.406782	7
121		2017	0.555747	0.112057	0.256811	2.428285	8
122		2018	0.513495	0.135559	0.312555	1.951733	9
123	IGAR	2015	0.236652	0.133918	0.17318	4.960974	40
124		2016	0.175832	0.157705	0.160629	5.821944	41
125		2017	0.160825	0.014107	0.168392	5.57506	42
126		2018	0.180744	0.078345	0.226569	4.768239	43
127	IKAI	2018	0.406042	0.053316	0.66238	0.468945	27
128	IMAS	2018	2.967165	0.002412	0.172897	0.767656	42
129	IMPC	2015	0.527271	0.077457	0.278118	2.271272	34
130		2016	0.832351	0.055282	0.307538	3.772268	35
131		2017	0.780171	0.039789	0.323427	3.605558	36
132		2018	0.727269	0.044521	0.319542	3.564226	37
133	INAF	2015	1.587626	0.004281	0.25978	1.430444	34
134	INAI	2015	4.546883	0.021512	0.174401	1.003504	44
135		2016	4.189708	0.026551	0.179285	1.002944	45
136		2017	3.375974	0.031841	0.186997	0.992503	46
137		2018	3.609272	0.028888	0.162414	1.023313	47
138	INCF	2016	2.122525	0.013478	0.177274	1.144059	34
139		2017	3.066755	0.006559	0.208203	0.835863	35
140		2018	2.571776	0.00836	0.219723	1.020774	36
141	INCI	2015	0.100584	0.100038	0.285958	9.676951	34
142		2016	0.10923	0.037082	0.477217	5.815034	35
143		2017	0.131933	0.054492	0.447414	5.101833	36
144		2018	0.22319	0.042608	0.446938	3.036134	37
145	INDF	2015	1.129595	0.040395	0.273287	1.705334	25
146		2016	0.870092	0.064094	0.312772	1.508131	26
147		2017	0.876766	0.057661	0.446741	1.522714	27
148		2018	0.933974	0.051398	0.439084	0.713772	28
149	INDS	2015	0.330837	0.000757	0.566725	2.231266	37

150		2016	0.197871	0.020004	0.549474	3.032737	38
151		2017	0.135115	0.046677	0.508837	5.125429	39
152		2018	0.131302	0.04459	0.491547	5.211335	40
153	INTP	2015	0.157934	0.157703	0.499809	4.923208	40
154		2016	0.153484	0.128366	0.485685	4.525028	41
155		2017	0.175398	0.064435	0.518972	3.703071	42
156		2018	0.196669	0.041238	0.523136	3.137264	43
157	ISSP	2015	1.133478	0.029186	0.343894	1.253699	44
158		2016	1.284189	0.017035	0.328435	1.159443	45
159		2017	1.206792	0.001377	0.350847	1.505322	46
160		2018	1.227493	0.007505	0.338316	1.411469	47
161	JECC	2015	2.693927	0.001815	0.291645	1.050051	42
162		2016	2.374616	0.083431	0.25751	1.140235	43
163		2017	2.522328	0.043234	0.294408	1.060834	44
164		2018	2.416745	0.042481	0.282838	1.098835	45
165	JPFA	2015	1.808565	0.030565	0.396806	1.794274	44
166		2016	1.055022	0.122454	0.41156	2.070935	45
167		2017	1.304255	0.052261	0.326226	2.345947	46
168		2018	1.255356	0.097804	0.344446	1.798226	47
169	JSKY	2017	3.150884	0.052459	0.216973	1.072588	9
170		2018	1.612949	0.041732	0.167407	1.234066	10
171	KAEF	2015	0.670207	0.07731	0.196365	1.922822	44
172		2016	1.030707	0.058882	0.218262	1.713667	45
173		2017	1.369718	0.054413	0.289677	1.545507	46
174		2018	1.818573	0.042471	0.284732	1.422659	47
175	KBLI	2015	0.510471	0.074347	0.355787	2.847607	43
176		2016	0.4163	0.178655	0.299524	3.410645	44
177		2017	0.686746	0.119112	0.346345	1.974419	45
178		2018	0.597662	0.072624	0.293797	2.463986	46
179	KDSI	2015	2.106434	0.009745	0.342373	1.156607	21
180		2016	1.721097	0.041257	0.339445	1.231923	22
181		2017	1.7357	0.05192	0.331571	1.186374	23
182		2018	1.506284	0.055168	0.376634	1.169323	24
183	KICI	2016	0.570711	0.002596	0.333848	5.345426	42
184		2017	0.633041	0.053186	0.30184	7.294792	43
185	KINO	2015	0.807487	0.08191	0.313694	1.618793	16
186		2016	0.682573	0.055141	0.372158	1.536854	17
187		2017	1.120599	0.033882	0.38525	1.653888	18

188		2018	0.642583	0.041804	0.396341	1.501135	19
189	KLBF	2015	0.252154	0.150236	0.287557	3.696496	49
190		2016	0.221614	0.154399	0.299209	4.131144	50
191		2017	0.195926	0.147642	0.321532	4.508857	51
192		2018	0.186446	0.137619	0.344579	4.657703	52
193	KMTR	2016	2.617572	0.055143	0.215744	14.41193	25
194		2017	1.2451	0.118978	0.229136	7.299311	26
195		2018	1.43393	0.000447	0.232375	1.16798	27
196	KPAL	2017	3.893586	0.01515	0.682017	0.51654	12
197		2018	2.988612	0.001851	0.600387	0.680352	13
198	LION	2015	0.338584	0.07198	0.204879	3.802302	43
199		2016	0.457307	0.061744	0.20851	3.558643	44
200		2017	0.507688	0.013613	0.262168	3.271347	45
201		2018	0.465142	0.021086	0.258558	3.513867	46
202	LMPI	2015	0.976745	0.005003	0.273298	1.506613	39
203		2016	0.985352	0.008555	0.322832	1.505628	40
204	LMSH	2015	0.189797	0.014531	0.207799	8.089127	33
205		2016	0.387944	0.038402	0.380131	2.770105	34
206		2017	0.243331	0.080459	0.346587	4.281958	35
207		2018	0.206003	0.018041	0.334662	5.293186	36
208	MAIN	2016	1.234389	0.041363	0.519222	1.153317	19
209		2017	1.447958	0.010713	0.508649	0.866141	20
210		2018	1.23597	0.065557	0.482622	1.636512	21
211	MARK	2017	0.364151	0.206754	0.391922	2.444165	15
212		2018	0.337948	0.257498	0.473937	2.218939	16
213	MBTO	2016	0.610151	0.012415	0.206723	3.04448	39
214	MDKI	2016	0.363636	0.263691	0.490378	2.116161	35
215		2017	0.137696	0.054296	0.608236	4.453214	36
216		2018	0.09936	0.036965	0.649323	7.016997	37
217	MERK	2015	0.354992	0.222155	0.172656	3.652179	45
218		2016	0.276763	0.206796	0.174736	4.216602	46
219		2017	0.376268	0.17081	0.209832	3.080969	47
220		2018	1.437125	0.092093	0.147843	1.371947	48
221	MLBI	2015	1.741042	0.236527	0.602647	0.584216	86
222		2016	1.772273	0.431698	0.561755	0.679548	87
223		2017	1.357091	0.526704	0.543444	0.825729	88
224		2018	1.474871	0.423882	0.527448	0.778356	89
225	MLIA	2016	3.788035	0.00117	0.782401	0.85948	29

226		2017	1.956564	0.009165	0.750634	0.869726	30
227		2018	1.348443	0.035922	0.774537	0.934974	31
228	MOLI	2017	0.420593	0.057737	0.383194	2.138913	66
229		2018	0.606449	0.050445	0.37891	2.385466	67
230	MRAT	2015	0.31845	0.002102	0.142025	3.702579	37
231	MYOR	2015	1.183618	0.110223	0.332433	2.365337	38
232		2016	1.062553	0.107463	0.298661	2.250172	39
233		2017	1.028168	0.109344	0.266076	2.386028	40
234		2018	1.059305	0.100072	0.242063	2.654598	41
235	NIPS	2015	1.5414	0.019817	0.383212	1.047323	40
236		2016	1.084391	0.036943	0.383276	1.21822	41
237		2017	1.15797	0.023241	0.36142	1.173664	42
238	PANI	2017	0.95483	0.004905	0.200039	2.130987	17
239		2018	2.752584	0.007855	0.134164	1.196449	18
240	PBID	2016	0.70987	0.102291	0.405592	1.433707	26
241		2017	0.381669	0.12693	0.316996	2.642207	27
242		2018	0.486742	0.129644	0.236601	2.385813	28
243	PCAR	2017	0.46879	0.002635	0.092836	2.818277	3
244	PEHA	2017	0.676578	0.106525	0.312156	4.143576	63
245		2018	1.366233	0.070575	0.329048	1.038224	64
246	PICO	2015	0.592116	0.02472	0.218451	1.587871	32
247		2016	1.402046	0.021537	0.202106	1.339167	33
248		2017	1.575188	0.023359	0.17253	1.505522	34
249		2018	1.847273	0.018442	0.167494	1.237178	35
250	PRAS	2015	1.12207	0.004192	0.559724	1.005032	31
251		2017	1.280059	0.002598	0.55986	1.001554	33
252		2018	1.376796	0.004989	0.602511	0.822983	34
253	PSDN	2017	1.307075	0.046558	0.390601	1.159105	43
254	PYFA	2015	0.5802	0.0193	0.526111	1.991186	39
255		2017	0.465826	0.044665	0.475859	3.522769	41
256		2018	0.572868	0.045157	0.483158	2.757438	42
257	RICY	2015	1.994894	0.011239	0.289365	1.185576	28
258		2016	2.12409	0.010889	0.267519	1.148684	29
259		2017	2.19006	0.012073	0.23561	1.188492	30
260		2018	2.460487	0.012003	0.204061	1.218332	31
261	ROTI	2015	1.277025	0.099965	0.673008	2.053422	20
262		2016	1.023661	0.095826	0.631147	2.962272	21
263		2017	0.616809	0.029688	0.437248	2.258556	22

264		2018	0.506328	0.028943	0.505742	3.571242	23
265	SCCO	2015	0.922415	0.084663	0.179336	1.685817	45
266		2016	1.007452	0.139022	0.131643	1.689475	46
267		2017	0.471375	0.067193	0.42034	1.742055	47
268		2018	0.430971	0.06098	0.404136	1.907505	48
269	SIDO	2015	0.076125	0.156458	0.344004	9.276535	40
270		2016	0.083299	0.160839	0.351862	9.152773	41
271		2017	0.090589	0.16902	0.384769	7.812213	42
272		2018	0.14987	0.198898	0.465409	4.201276	43
273	SIPD	2016	1.246361	0.005083	0.325456	1.393148	31
274		2018	1.603106	0.011853	0.401863	1.102022	33
275	SKBM	2015	1.221775	0.05252	0.514505	1.122322	42
276		2016	1.71902	0.022508	0.435298	1.107233	43
277		2017	0.586169	0.015946	0.299168	1.63535	44
278		2018	0.702292	0.009007	0.328933	1.383266	45
279	SKLT	2015	1.480259	0.053212	0.393934	1.192455	39
280		2016	0.918751	0.036333	0.527372	1.315316	40
281		2017	1.068745	0.036102	0.490048	1.263063	41
282		2018	1.202874	0.04276	0.432553	1.224428	42
283	SMBR	2015	0.108266	0.108356	0.240778	7.572675	41
284		2016	0.399941	0.062736	0.796561	2.86832	42
285		2017	0.482726	0.026622	0.75973	1.679931	43
286		2018	0.594302	0.0133	0.72454	2.13437	44
287	SMGR	2015	0.390379	0.118613	0.659649	1.596969	62
288		2016	0.446534	0.10254	0.697466	1.272519	63
289		2017	0.633116	0.033626	0.662812	1.567751	64
290		2018	0.562838	0.06032	0.640178	1.951481	65
291	SMSM	2015	0.541476	0.207786	0.322027	2.393789	31
292		2016	0.427001	0.222727	0.291944	2.860253	40
293		2017	0.336485	0.227307	0.279864	3.739132	41
294		2018	0.302717	0.226171	0.267429	3.943244	42
295	SPMA	2016	0.970486	0.037549	0.662466	2.463029	40
296		2017	0.836143	0.042415	0.640459	1.022439	41
297		2018	0.807634	0.036022	0.598895	3.76143	42
298	SQBB	2015	0.236999	0.323702	0.194626	3.57355	45
299		2016	0.259589	0.344706	0.179499	3.369191	46
300	SRSN	2015	0.688058	0.027009	0.218835	2.167071	32
301		2016	0.783716	0.015417	0.306778	1.742568	33

302		2017	0.570922	0.027114	0.324418	2.131664	34
303		2018	0.437409	0.056401	0.326537	2.452801	35
304	SSTM	2018	1.611726	0.001978	0.47512	2.229969	46
305	STAR	2015	0.48878	0.000421	0.433902	1.808892	7
306		2016	0.40847	0.000669	0.439578	1.999332	8
307		2017	0.253778	0.00097	0.473371	2.770358	9
308		2018	0.253587	0.000282	0.454948	2.873622	10
309	STTP	2017	0.691565	0.092222	0.480598	2.619245	30
310		2018	0.598159	0.096948	0.416596	1.848463	31
311	SWAT	2017	0.638655	0.001986	0.559359	0.878978	27
312		2018	0.566749	0.004466	0.650733	0.952656	28
313	TALF	2015	0.239884	0.05232	0.272861	4.376359	38
314		2016	0.172601	0.034183	0.6196	2.922899	39
315		2017	0.202405	0.023301	0.605077	2.751216	40
316		2018	0.217991	0.044665	0.579804	2.682593	41
317	TCID	2015	0.214142	0.266306	0.433551	4.991109	46
318		2016	0.22541	0.074166	0.428056	5.259542	47
319		2017	0.270933	0.075843	0.408434	4.913182	48
320		2018	0.239639	0.070773	0.408446	5.759102	49
321	TIRT	2016	5.426813	0.035526	0.296234	1.124962	35
322		2017	5.939793	0.001165	0.295264	1.148329	36
323	TOTO	2015	0.635582	0.116922	0.358726	2.406744	38
324		2016	0.693998	0.065299	0.341574	2.189948	39
325		2017	0.668736	0.098686	0.285298	2.295452	40
326		2018	0.501505	0.119668	0.252807	2.953511	41
327	TRIS	2017	0.529815	0.026055	0.232351	1.922535	13
328		2018	0.777006	0.031066	0.192558	1.609987	14
329	TRST	2015	0.715634	0.00754	0.625837	1.308475	36
330		2016	0.702894	0.01027	0.615531	1.297018	37
331		2017	0.68706	0.011461	0.597736	1.228523	38
332		2018	0.915138	0.014748	0.591742	1.137036	39
333	TSPC	2015	0.449049	0.084207	0.257221	2.537551	62
334		2016	0.420802	0.082829	0.274339	2.652141	63
335		2017	0.462985	0.074963	0.266874	2.521378	64
336		2018	0.448591	0.068663	0.288613	2.516171	65
337	ULTJ	2015	0.265411	0.147769	0.327885	3.745477	44
338		2016	0.214937	0.167443	0.245818	4.843633	45
339		2017	0.233028	0.138798	0.258196	4.191915	46

340		2018	0.163544	0.126282	0.261549	4.398131	47
341	UNIT	2015	0.472414	0.000838	0.71085	0.59624	27
342		2016	0.771258	0.001989	0.709826	0.648607	28
343		2017	0.738512	0.002497	0.676307	0.739014	29
344		2018	0.706466	0.001206	0.638503	0.846463	30
345	UNVR	2015	2.258498	0.372017	0.528986	0.653971	82
346		2016	2.559689	0.381631	0.56907	0.605632	83
347		2017	2.654552	0.370486	0.551249	0.633693	84
348		2018	1.576224	0.466601	0.544353	0.74766	85
349	VOKS	2015	2.014296	0.00018	0.186358	1.168135	44
350		2016	1.493425	0.095939	0.176671	1.33356	45
351		2017	1.591953	0.078764	0.144857	1.322625	46
352		2018	1.693802	0.042436	0.174105	1.272463	47
353	WIMM	2015	0.42279	0.097625	0.247075	2.893757	21
354		2016	0.365799	0.078522	0.244119	3.394226	22
355		2017	0.253168	0.032324	0.249166	5.355847	23
356		2018	0.249033	0.040733	0.254856	5.918563	24
357	WOOD	2016	1.155107	0.045778	0.533071	1.205512	27
358		2017	1.009283	0.044609	0.489185	1.122463	28
359		2018	0.872826	0.052763	0.42127	1.268134	29
360	WSBP	2015	2.255429	0.077178	0.227899	0.41266	1
361		2016	0.854603	0.046222	0.140732	1.706269	2
362		2017	1.039121	0.067048	0.211045	1.524336	3
363		2018	0.931208	0.07249	0.310483	1.396993	4
364	WTON	2015	0.968665	0.038589	0.448248	1.368808	18
365		2016	0.871795	0.060507	0.475914	1.309124	19
366		2017	1.572105	0.048169	0.379098	1.032033	20
367		2018	1.831466	0.054791	0.331911	1.118639	21
368	ZONE	2017	1.201192	0.093432	0.222426	1.733828	12
369		2018	0.877069	0.102079	0.186847	2.064311	13

Lampiran 3 : Hasil Statistik Deskriptif

Analisis Deskriptif

	DER	ROA	TAN	LIQ	AGE
Mean	0.963229	0.075030	0.374345	2.616700	37.88076
Median	0.676578	0.054492	0.333848	1.808892	39.00000
Maximum	5.939793	0.526704	0.796561	15.82232	89.00000
Minimum	0.076125	0.000180	0.031171	0.412660	1.000000
Std. Dev.	0.899854	0.078858	0.176885	2.214456	15.84613
Skewness	2.272310	2.404706	0.356539	2.683746	0.626465
Kurtosis	9.889746	10.56716	2.290889	12.80054	4.352519
Jarque-Bera	1047.379	1236.032	15.54901	1919.730	52.26176
Probability	0.000000	0.000000	0.000420	0.000000	0.000000
Sum	355.4316	27.68597	138.1334	965.5624	13978.00
Sum Sq. Dev.	297.9835	2.288447	11.51407	1804.604	92404.75
Observations	369	369	369	369	369
Cross sections	115	115	115	115	115

Lampiran 4 : Hasil Uji *Hausman*

Correlated Random Effects - Hausman Test

Pool: Untitled

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	21.944233	4	0.0002

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
ROA?	-1.569321	-1.911366	0.283786	0.5208
TAN?	-0.232084	-0.653533	0.133693	0.2491
LIQ?	-0.040823	-0.099461	0.000170	0.0000
AGE?	-0.015757	0.002629	0.000373	0.3412

Cross-section random effects test equation:

Dependent Variable: DER?

Method: Panel Least Squares

Date: 12/22/19 Time: 23:14

Sample: 2015 2018

Included observations: 4

Cross-sections included: 115

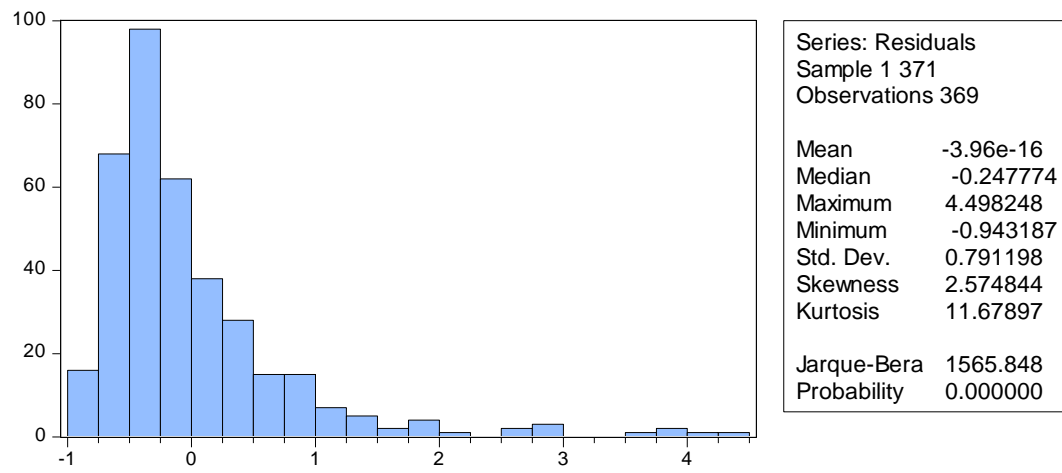
Total pool (unbalanced) observations: 369

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.871272	0.780356	2.397974	0.0172
ROA?	-1.569321	0.828505	-1.894160	0.0594
TAN?	-0.232084	0.480566	-0.482939	0.6296
LIQ?	-0.040823	0.023839	-1.712494	0.0880
AGE?	-0.015757	0.019782	-0.796541	0.4265

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.851215	Mean dependent var	0.963229
Adjusted R-squared	0.780988	S.D. dependent var	0.899854
S.E. of regression	0.421120	Akaike info criterion	1.363855
Sum squared resid	44.33559	Schwarz criterion	2.625060
Log likelihood	-132.6312	Hannan-Quinn criter.	1.864868
F-statistic	12.12095	Durbin-Watson stat	2.557628
Prob(F-statistic)	0.000000		

Lampiran 5 : Hasil Uji Normalitas

Lampiran 6 : Hasil Uji Multikolinieritas

Variance Inflation Factors

Date: 12/22/19 Time: 21:45

Sample: 1 369

Included observations: 369

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
C	0.024904	14.52067	NA
ROA	0.338788	2.341578	1.222933
TAN	0.063382	6.354333	1.143685
LIQ	0.000415	2.778486	1.148680
AGE	8.13E-06	7.991054	1.187344

Lampiran 7 : Hasil Uji Heteroskedastisitas

Heteroskedasticity Test: Harvey

F-statistic	1.731922	Prob. F(4,364)	0.1423
Obs*R-squared	6.891687	Prob. Chi-Square(4)	0.1417
Scaled explained SS	6.355047	Prob. Chi-Square(4)	0.1742

Test Equation:

Dependent Variable: LRESID2

Method: Least Squares

Date: 12/22/19 Time: 21:45

Sample: 1 369

Included observations: 369

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.911921	0.422066	-4.529911	0.0000
ROA	-2.009975	1.556702	-1.291175	0.1975
TAN	-0.959319	0.673324	-1.424752	0.1551
LIQ	-0.087573	0.054504	-1.606735	0.1090
AGE	0.013394	0.007627	1.756155	0.0799

R-squared	0.018677	Mean dependent var	-2.143230
Adjusted R-squared	0.007893	S.D. dependent var	2.136096
S.E. of regression	2.127649	Akaike info criterion	4.361370
Sum squared resid	1647.788	Schwarz criterion	4.414362
Log likelihood	-799.6728	Hannan-Quinn criter.	4.382421
F-statistic	1.731922	Durbin-Watson stat	1.443358
Prob(F-statistic)	0.142291		

Lampiran 8 : Hasil Uji Autokorelasi

Dependent Variable: DER-0.42*DER(-1)

Method: Least Squares

Date: 01/06/20 Time: 14:06

Sample (adjusted): 2 369

Included observations: 368 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.028911	0.109010	9.438655	0.0000
ROA-0.42*ROA(-1)	-2.280469	0.620267	-3.676593	0.0003
TAN-0.42*TAN(-1)	-0.872779	0.288049	-3.029961	0.0026
LIQ-0.42*LIQ(-1)	-0.161389	0.022368	-7.215315	0.0000
AGE-0.42*AGE(-1)	0.002865	0.003258	0.879187	0.3799
R-squared	0.163341	Mean dependent var		0.557834
Adjusted R-squared	0.154122	S.D. dependent var		0.782522
S.E. of regression	0.719699	Akaike info criterion		2.193525
Sum squared resid	188.0217	Schwarz criterion		2.246624
Log likelihood	-398.6087	Hannan-Quinn criter.		2.214621
F-statistic	17.71718	Durbin-Watson stat		1.915406
Prob(F-statistic)	0.000000			

Lampiran 9 : Hasil Uji Regresi Linier Berganda

Dependent Variable: DER-0.42*DER(-1)

Method: Least Squares

Date: 01/06/20 Time: 14:06

Sample (adjusted): 2 369

Included observations: 368 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.028911	0.109010	9.438655	0.0000
ROA-0.42*ROA(-1)	-2.280469	0.620267	-3.676593	0.0003
TAN-0.42*TAN(-1)	-0.872779	0.288049	-3.029961	0.0026
LIQ-0.42*LIQ(-1)	-0.161389	0.022368	-7.215315	0.0000
AGE-0.42*AGE(-1)	0.002865	0.003258	0.879187	0.3799
R-squared	0.163341	Mean dependent var		0.557834
Adjusted R-squared	0.154122	S.D. dependent var		0.782522
S.E. of regression	0.719699	Akaike info criterion		2.193525
Sum squared resid	188.0217	Schwarz criterion		2.246624
Log likelihood	-398.6087	Hannan-Quinn criter.		2.214621
F-statistic	17.71718	Durbin-Watson stat		1.915406
Prob(F-statistic)	0.000000			

Lampiran 9 : Hasil Uji t

Dependent Variable: DER-0.42*DER(-1)

Method: Least Squares

Date: 01/06/20 Time: 14:06

Sample (adjusted): 2 369

Included observations: 368 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.028911	0.109010	9.438655	0.0000
ROA-0.42*ROA(-1)	-2.280469	0.620267	-3.676593	0.0003
TAN-0.42*TAN(-1)	-0.872779	0.288049	-3.029961	0.0026
LIQ-0.42*LIQ(-1)	-0.161389	0.022368	-7.215315	0.0000
AGE-0.42*AGE(-1)	0.002865	0.003258	0.879187	0.3799
R-squared	0.163341	Mean dependent var		0.557834
Adjusted R-squared	0.154122	S.D. dependent var		0.782522
S.E. of regression	0.719699	Akaike info criterion		2.193525
Sum squared resid	188.0217	Schwarz criterion		2.246624
Log likelihood	-398.6087	Hannan-Quinn criter.		2.214621
F-statistic	17.71718	Durbin-Watson stat		1.915406
Prob(F-statistic)	0.000000			

Lampiran 10 : Hasil Uji F

Dependent Variable: DER-0.42*DER(-1)

Method: Least Squares

Date: 01/06/20 Time: 14:06

Sample (adjusted): 2 369

Included observations: 368 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.028911	0.109010	9.438655	0.0000
ROA-0.42*ROA(-1)	-2.280469	0.620267	-3.676593	0.0003
TAN-0.42*TAN(-1)	-0.872779	0.288049	-3.029961	0.0026
LIQ-0.42*LIQ(-1)	-0.161389	0.022368	-7.215315	0.0000
AGE-0.42*AGE(-1)	0.002865	0.003258	0.879187	0.3799
R-squared	0.163341	Mean dependent var		0.557834
Adjusted R-squared	0.154122	S.D. dependent var		0.782522
S.E. of regression	0.719699	Akaike info criterion		2.193525
Sum squared resid	188.0217	Schwarz criterion		2.246624
Log likelihood	-398.6087	Hannan-Quinn criter.		2.214621
F-statistic	17.71718	Durbin-Watson stat		1.915406
Prob(F-statistic)	0.000000			

Lampiran 11 : Hasil Uji R²

Dependent Variable: DER-0.42*DER(-1)

Method: Least Squares

Date: 01/06/20 Time: 14:06

Sample (adjusted): 2 369

Included observations: 368 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.028911	0.109010	9.438655	0.0000
ROA-0.42*ROA(-1)	-2.280469	0.620267	-3.676593	0.0003
TAN-0.42*TAN(-1)	-0.872779	0.288049	-3.029961	0.0026
LIQ-0.42*LIQ(-1)	-0.161389	0.022368	-7.215315	0.0000
AGE-0.42*AGE(-1)	0.002865	0.003258	0.879187	0.3799
R-squared	0.163341	Mean dependent var		0.557834
Adjusted R-squared	0.154122	S.D. dependent var		0.782522
S.E. of regression	0.719699	Akaike info criterion		2.193525
Sum squared resid	188.0217	Schwarz criterion		2.246624
Log likelihood	-398.6087	Hannan-Quinn criter.		2.214621
F-statistic	17.71718	Durbin-Watson stat		1.915406
Prob(F-statistic)	0.000000			



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Prodi : Manajemen/FEB
Judul : **PENGARUH PROFITABILITAS, TANGIBILITAS,
LIKUIDITAS DAN USIA PERUSAHAAN TERHADAP
STRUKTUR MODAL**
(Studi pada Perusahaan Manufaktur yang Terdaftar di BEI
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Ikram Al- Zein, S.Kom.I