

## LAMPIRAN

### Lampiran 1: Pemilihan Sampel

#### Perusahaan Sampel

No	Kode	Nama Emiten
1	ADES	PT Akasha Wira International Tbk
2	AISA	PT Tiga Pilar Sejahtera Food Tbk
3	AKKU	PT Alam Karya Unggul Tbk
4	AKPI	PT Argha Karya Prima Industry Tbk
5	ALDO	PT Alkindo Naratama Tbk
6	ALKA	PT Alaska Industrindo Tbk
7	ALMI	PT Alumindo Light Metal Industry Tbk
8	AMFG	PT Asahimas Flat Glass Tbk
9	APLI	PT Asiaplast Industries Tbk
10	ARGO	PT Argo Pantes Tbk
11	ARNA	PT Arwana Citra Mulia Tbk
12	ASII	PT Astra International Tbk
13	AUTO	PT Astra Auto Part Tbk
14	BAJA	PT Saranacentral Bajatama Tbk
15	BATA	PT Sepatu Bata Tbk
16	BRNA	PT Berlina Tbk
17	BTON	PT Beton Jaya Manunggal Tbk
18	BUDI	PT Budi Strach and Sweetener Tbk
19	CEKA	PT Wilmar Cahaya Indonesia Tbk
20	CPIN	PT Charoen Pokphand Indonesia Tbk
21	DLTA	PT Delta Djakarta Tbk
22	DPNS	PT Duta Pertiwi Nusantara Tbk
23	DVLA	PT Darya Varia Laboratoria Tbk
24	EKAD	PT Ekadharma International Tbk
25	ETWA	PT Eterindo Wahanatama Tbk
26	FASW	PT Fajar Surya Wisesa Tbk
27	GDST	PT Gunawan Dianjaya Steel Tbk
28	GGRM	PT Gudang Garam Tbk
29	GJTL	PT Gajah Tunggal Tbk
30	HDTX	PT Panasia Indo Resources Tbk
31	HMSP	PT Hanjaya Mandala Sampoerna Tbk
32	ICBP	PT Indofood CBP Sukses Makmur Tbk
33	IGAR	PT Champion Pasific Indonesia Tbk
34	IKAI	PT Intikeramik Alamsri Industri Tbk
35	IMAS	PT Indomobil Sukses International Tbk
36	INAF	PT Indofarma Tbk
37	INAI	PT Indal Aluminium Industry Tbk

38	INCI	PT Intan Wijaya International Tbk
39	INDF	PT Indofood Sukses Makmur Tbk
40	INDS	PT Indospring Tbk
41	INTP	PT Indocement Tunggul Perkasa Tbk
42	ISSP	PT Steel Pipe Industry of Indonesia Tbk
43	JPFA	PT Japfa Comfeed Indonesia Tbk
44	KAEF	PT Kimia Farma Tbk
45	KBLI	PT KMI Wire and Cable Tbk
46	KBLM	PT Kabelindo Murni Tbk
47	KDSI	PT Kedaung Setia Industrial Tbk
48	KIAS	PT Krakatau Steel Tbk
49	KICI	PT Kedaung Indag Can Tbk
50	KLBF	PT Kalbe Farma Tbk
51	KRAH	PT Grand Kartech Tbk
52	LION	PT Lion Metal Works Tbk
53	LMPI	PT Langgeng Makmur Industry Tbk
54	LMSH	PT Lionmesh Prima Tbk
55	LPIN	PT Multi Prima Sejahtera Tbk
56	MBTO	PT Martina Berto Tbk
57	MERK	PT Merck Tbk
58	MRAT	PT Mustika Ratu Tbk
59	MLBI	PT Multi Bintang Tbk
60	MLIA	PT Mulia Industrindo Tbk
61	MYRX	PT Hanson International Tbk
62	MYOR	PT Mayora Indah Tbk
63	MAIN	PT Malindo Feedmill Tbk
64	MYTX	PT Apac Citra Centertex Tbk
65	NIPS	PT Nippres Tbk
67	PICO	PT Pelangi Indah Canindo Tbk
68	KBRI	PT Kertas Basuki Rachmat Indonesia Tbk
69	PYFA	PT Pyridam Farma Tbk
70	RICY	PT Ricky Putra Globalindo Tbk
71	PSDN	PT Prasadha Aneka Niaga Tbk
72	RMBA	PT Bentoel International Investama Tbk
73	ROTI	PT Nippon Indosari Corporindo Tbk
74	SCCO	PT Supreme Cable Manufacturing and Commerce Tbk
75	SPMA	PT Suparma Tbk

Sumber: [www.idx.co.id](http://www.idx.co.id)

Lampiran 2 : Pengolahan Data

NOMOR	nama perusahaan	PBV	IOS	GROWTH	SIZE	DAR
1	ADES 2013	2.785289941	1.8998011	11.782871	11.7011568	39.9683492
	ADES 2014	2.776812371	1.8792544	12.311577	11.7625165	41.918328
	ADES 2015	1.823669719	1.3426439	22.998849	11.8258965	49.7310264
	ADES 2016	1.534873097	1.1967375	14.887052	11.9482481	49.9155025
	ADES 2017	1.234337447	1.080172	8.6591148	11.9108858	49.6589053
2	AISA 2013	1.952923765	1.3804397	22.969297	12.6081766	53.0600355
	AISA 2014	1.880392455	1.3345557	31.910579	12.7109609	51.3696746
	AISA 2015	0.981748753	0.9314128	18.619522	12.7789391	56.2198852
	AISA 2016	1.468008864	1.107092	2.0915142	12.8159548	53.9209894
	AISA 2017	0.44995831	0.821976	5.3892187	12.6920209	60.9744090
3	AKKU 2013	28.63371558	10.270459	5.8075773	9.80065614	94.5808485
	AKKU 2014	18.15067921	6.5443642	39.113407	9.62955589	95.7376247
	AKKU 2015	26.62618458	9.2863693	-1.8556186	9.72306775	66.1170467
	AKKU 2016	0.61190218	0.5455832	28.532861	11.0059322	27.1179077
	AKKU 2017	0.458141946	0.4632107	4.1941802	10.2338083	31.9455219
4	AKPI 2013	0.492161829	0.7951779	17.736668	12.2209928	50.6211058
	AKPI 2014	0.573475152	0.8512497	6.3975158	12.2890051	53.6782415
	AKPI 2015	0.537214087	0.8503715	22.756433	12.3048063	61.5847759
	AKPI 2016	0.546411414	0.8361742	0.1252569	12.3111642	57.1837136
	AKPI 2017	0.437595006	0.8319062	4.7140722	12.3148901	58.9625217
5	ALDO 2013	2.595020293	1.6828516	28.25603	11.601349	53.6010165
	ALDO 2014	2.716660842	1.7132999	13.036927	11.6936232	57.0768010
	ALDO 2015	2.365017054	1.5634846	5.2829013	11.7310752	53.29949
	ALDO 2016	1.642706384	1.1974183	10.801036	11.8237571	51.0424510
	ALDO 2017	1.438391094	1.0742866	26.960135	11.8504876	38.5398925
6	ALKA 2013	1.468726906	1.0275204	38.86956	12.0412427	75.3385759
	ALKA 2014	1.474320855	1.0466196	1.3799275	12.0900339	74.7323865

	ALKA 2015	1.20303071	1.0687127	-6.9605505	11.8745668	57.1091854
	ALKA 2016	2.326283267	1.5809958	8.7765704	12.0613038	55.2737936
	ALKA 2017	1.978958485	1.237718	6.0908643	12.2861833	74.2828837
7	ALMI 2013	0.119949818	0.9304521	31.630995	12.4580806	76.1147212
	ALMI 2014	0.268606109	0.9259238	14.455057	12.5232374	80.8956093
	ALMI 2015	0.215830164	1.251203		12.5228783	74.1844998
	ALMI 2016	0.279240971	1.3258403	0.2972225	12.3912528	81.2499478
	ALMI 2017	0.35769473	0.919066	9.3949839	12.542191	8.40561606
8	AMFG2013	1.201045956	1.0075163	11.978664	12.5073809	21.99998
	AMFG2014	1.126476733	0.9567569	10.307124	12.5649247	21.4054293
	AMFG2015	0.851300932	0.8134356	7.590846	12.5641912	20.6087898
	AMFG2016	0.80788739	0.8695132	22.427605	12.5710184	34.6169678
	AMFG2017	0.736810546	0.8446248	12.172119	12.5894794	43.3793685
9	APLI2013	0.447816333	0.7659995	-9.9714622	11.4495577	28.2848682
	APLI 2014	0.541021951	0.7539304	0.3490017	11.4684671	17.7769782
	APLI 2015	0.440059236	0.8556555	11.500773	11.4160864	28.2091884
	APLI 2016	0.632207068	0.768335	19.095331	11.540587	30.5996733
	APLI 2017	0.475385596	0.7694528	4.3233145	11.5823343	43.0186374
10	ARGO 2013	1.0007674	0.7756885	22.82351	9.12292822	8.6059143
	ARGO 2014		1.7393315	23.314754	10.0204411	11.4881971
	ARGO 2015	3.232087095	3.7304689	15.354878	10.6570583	12.4296412
	ARGO 2016	2.396018216	0.6098715	4.3044991	10.6872598	14.9063764
	ARGO 2017	0.383376817	1.4765419	7.4141902	10.5226914	17.3426970
11	ARNA 2013	2.790070439	1.9131325	16.003303	12.6382969	34.2882519
	ARNA 2014	7.105225511	4.7553677	9.8967821	12.2067608	27.7788143
	ARNA 2015	1.961080721	1.7182889	11.940438	12.1112378	37.4656617
	ARNA 2016	4.026570632	2.6370135	7.2858759	12.1795456	38.5641402
	ARNA 2017	2.468962411	1.7458755	3.6300863	12.2387949	35.7166139
12	ASII 2013	2.875724577	1.8780897	14.822846	13.287533	50.3780479
	ASII 2014	2.568390031	1.7267444	9.334949	13.3047081	49.0791307

	ASII 2015	1.919667745	1.3942814	3.8331941	13.2652802	48.4454132
	ASII 2016	2.394474878	1.6263618	12.924936	13.2578801	43.2648847
	ASII 2017	2.149399606	1.5302033	1.7368083	13.3139874	48.5682312
13	AUTO 2013	2.132858591	1.6093172	29.609537	13.0294645	24.2431610
	AUTO 2014	1.995806504	1.5130213	12.301523	13.0883284	29.5036937
	AUTO 2015	0.760253271	0.8805945	6.6359907	13.0690679	29.2604213
	AUTO 2016	0.937730581	0.9388996	1.8694147	13.1074429	27.8924142
	AUTO 2017	0.922816233	0.9217635	1.0163383	13.1319347	27.1179325
14	BAJA 2013	4.503974133	2.3004357	2.6665323	12.0220699	9.13482058
	BAJA 2014	3.126931019	1.7342506	12.144204	12.0898503	81.3655907
	BAJA 2015	0.93548372	1.1445437	0.9736904	12.0973245	82.0070590
	BAJA 2016	3.022859221	1.6872039	3.4544417	11.990712	80.002309
	BAJA 2017	1.674260813	1.2077039	1.4604042	12.0857606	81.8250933
15	BATA 2013	5.778459648	3.5885852	11.67941	11.9554276	41.697976
	BATA 2014	3.375254028	2.1684568	12.157323	12.0037739	44.622463
	BATA 2015	2.13820788	1.5455255	2.561044	12.0123523	31.193747
	BATA 2016	1.843292236	1.3668306	1.1786302	11.9999142	30.766053
	BATA 2017	1.32399179	1.0578432	5.9540535	11.9887979	32.2993263
16	BRNA 2013	1.475278739	1.1970876	31.529506	11.9827234	72.81376
	BRNA 2014	1.358523285	1.1210406	15.662656	12.099971	72.4850855
	BRNA 2015	0.608396313	0.8519751	26.730129	12.1066509	54.529788
	BRNA 2016	1.047315465	0.9877688	12.826801	12.1350847	50.7657970
	BRNA 2017	1.423262281	1.1609222	0.3145323	12.1174173	56.5861170
17	BTON 2013	0.564050272	0.6168655	17.620314	11.055179	21.1875027
	BTON 2014	0.661755416	0.6467892	4.5680412	10.9823097	15.6280524
	BTON 2015	0.525134716	0.5768184	4.9299304	10.8304573	18.5738018
	BTON 2016	0.632047879	0.6381172	7.9949988	10.7976837	19.0405996
	BTON 2017	0.526128827	0.5619828	3.3847224	10.9445363	15.7288602
18	BUDI 2013	0.187500771	0.4576481	3.4917064	12.4097563	62.8549126
	BUDI 2014	0.49442697	0.8424365	3.7992606	12.3587362	64.1123350
	BUDI 2015	0.256445671	0.8429734	24.157451	12.3763588	66.1583923
	BUDI 2016	0.335981818	0.8315492	22.711386	12.3922665	60.2640282
	BUDI 2017	0.353984893	0.8249472	0.2602861	12.3997737	59.3563847

19	CEKA 2013	0.799678298	0.7787346	3.9204853	12.4034433	50.6113078
	CEKA 2014	0.830153524	0.7982501	16.705426	12.568421	58.1395353
	CEKA 2015	0.627643492	0.7052117	13.573335	12.5422942	56.9334885
	CEKA 2016	0.904642194	0.8042471	0.7109535	12.614427	37.7319470
	CEKA 2017	0.849958408	0.7948476	1.1968112	12.629179	35.1557837
20	CPIN 2013	4.04227698	2.6563987	21.228394	13.4093073	36.70795
	CPIN 2014	5.632277343	3.3987864	24.564093	13.4646427	47.1964003
	CPIN 2015	3.394104826	2.1494598	15.568699	13.478678	49.1129420
	CPIN 2016	3.579073976	2.333512	8.9801726	13.5827093	41.5110658
	CPIN 2017	3.133319416	2.13094	1.2951281	13.6934401	35.9658866
21	DLTA 2013	4.497036664		14.040166	11.9380527	21.9693016
	DLTA 2014	4.106507728		12.592035	11.9441139	22.9320568
	DLTA 2015	4.900337209	3.4787673	4.4663203	11.8447921	18.1735964
	DLTA 2016	3.954366173	2.8606306	13.314007	11.8892838	15.4803106
	DLTA 2017	3.210626094	2.3456427	10.668374	11.8905931	14.6323921
22	DPNS 2013	0.511104329	0.578569	3.9005718	11.1183745	12.850318
	DPNS 2014	0.494924397	0.5664781	4.6506912	11.1231193	12.1969381
	DPNS 2015	0.530870624	0.5738628	2.0423069	11.0736279	12.0907371
	DPNS 2016	0.5031139	0.5925396	7.309792	11.064236	11.0982373
	DPNS 2017	0.432541798	0.5775063	4.0071189	11.0464751	13.1789140
23	DVLA 2013	0.098002745	1.0145102	9.6939117	12.0420571	23.1377121
	DVLA 2014	0.007155051	0.6373556	3.7365686	12.043786	22.1489658
	DVLA 2015	0.054412077	1.2420472	10.174593	12.1159758	29.2644969
	DVLA 2016	0.066239692	1.0606826	10.127387	12.1617742	29.5021618
	DVLA 2017	0.071178577	1.2036024	6.6744783	12.197459	31.9696816
24	EKAD 2013	0.11464626	0.5489714	5.8206963	11.6218706	30.8188239
	EKAD 2014	0.134326636	0.6124801	16.546113	11.6841575	34.9310135
	EKAD 2015	0.095735376	0.4845817	0.0001026	11.7255343	25.078852
	EKAD 2016	0.069640947	0.3733827	1.8244666	11.7548366	15.7298883
	EKAD 2017	0.073270386	0.3852666	11.830176	11.8086106	16.8116666
25	ETWA 2013	0.79304416	0.6977992	38.316893	11.0813711	6.54984480
	ETWA	0.085079156	0.5779016	3.1995307	11.0000378	7.78183701

	2014					
	ETWA 2015	0.994078816	0.3025874	3.7516948	11.5974736	9.43143815
	ETWA 2016	1.002782697	0.2417848	4.055444	11.3856313	9.93871965
	ETWA 2017	0.061757011	0.1880661	2.5820953	11.4753297	9.76370440
26	FASW 2013	2.454139396	1.5473332	1.9979795	12.695554	72.6297345
	FASW 2014	2.485907124	1.583642	0.3583587	12.7369489	70.5307707
	FASW 2015	0.105384269	1.0158554	20.198848	12.6954816	65.0346860
	FASW 2016	3.216567706	1.9568148	18.519726	12.768989	63.2021426
	FASW 2017	4.069132362	2.3343841	8.3956993	12.8655295	64.9054903
27	GDST 2013	0.797365466	0.7253196	8.392806	11.1492553	25.7729728
	GDST 2014	1.046032359	0.9211234	0.3402828	11.9422224	33.0904565
	GDST 2015	0.601434592	0.7035729	0.712962	11.9608474	32.0561788
	GDST 2016	1.113537302	0.9713752	5.858414	11.8792582	33.8329847
	GDST 2017	0.795476055	0.8102637	2.2801885	11.0893854	34.319381
28	GGRM2013	3.314463591	2.1592901	18.240851	13.7437994	42.0600244
	GGRM2014	3.514789601	2.266587	12.796758	13.8141533	42.9261807
	GGRM2015	2.784280372	1.8733598	8.3218308	13.8473602	40.1501270
	GGRM2016	3.107585549	2.0874168	1.429669	13.8823774	37.1513883
	GGRM2017	3.799126695	2.5039634	5.7044637	13.9206759	36.8069079
29	GJTL 2013	1.022496381	0.9389414	0.6514338	13.0917695	62.7096949
	GJTL 2014	0.829760607	0.8693663	4.3143268	13.0744594	62.7044167
	GJTL 2015	0.342319501	0.7134569	8.3760677	13.1129479	69.19306
	GJTL 2016	0.637589457	0.813987	6.3551612	13.1346091	68.7226113
	GJTL 2017	0.416404633	0.7434662	10.994341	13.1506618	68.7240341
30	HDTX 2013	2.715654557	1.6070058	4.203927	12.0242159	69.726725
	HDTX 2014	2.285200719	1.4535784	19.96753	12.0702095	8.54409800
	HDTX 2015	2.283224744	1.513271	13.460875	12.1466059	71.3846546
	HDTX 2016	1.772513147	1.2992803	14.756788	12.2167217	75.1565872
	HDTX 2017	5.355733384	0.9867855	0.5947828	12.1117207	9.17341252
31	HMSP 2013	0.537666758	2.9772914	4.2220914	13.8752072	4.83479485

	HMSP 2014	0.591495434	3.1643182	3.4390921	13.9068205	5.24389909
	HMSP 2015	0.341512954	2.4009226	25.335203	13.9497281	15.7709808
	HMSP 2016	1.303578792	0.535531	10.580417	13.9798517	19.6038597
	HMSP 2017	0.014900777	0.6012765	1.4667835	13.9960363	20.9268788
32	ICBP 2013	8.890241413	3.1461709	0.7053025	11.3995817	37.6243107
	ICBP 2014	10.07058036	3.2920076	14.623485	11.4774469	39.623365
	ICBP 2015	9.507387347	3.1696701	6.2137584	11.501622	38.3037424
	ICBP 2016	5.405211492	3.4626828	8.1009211	11.5362452	35.9876261
	ICBP 2017	5.062945799	3.2588584	8.594585	11.5515305	35.7221935
33	IGAR 2013	1.211668138	0.9527823	9.5314751	11.8084833	28.2779389
	IGAR 2014	0.094304466	0.7977397	15.138836	11.8165276	19.1393274
	IGAR 2015	0.066897872	0.6188676	3.3963994	11.8308016	19.1365227
	IGAR 2016	1.290027104	1.0140204	12.63579	11.8991609	14.9538303
	IGAR 2017	0.079304374	0.6859788	14.337954	11.8819134	13.8543496
34	IKAI 2013	0.431506813	0.8150099	0.0012447	10.3253582	57.3892600
	IKAI 2014	0.05049768	0.8885454	7.0368994	10.4188336	65.5465481
	IKAI 2015	1.352735162	0.7642279	0.7691467	10.149834	82.3011799
	IKAI 2016	0.908474121	0.7435073	1.4715395	10.9231022	
	IKAI 2017		0.9375683	3.7840155	10.1237675	
35	IMAS 2013	0.388359208	0.8171062	21.229459	13.3030823	70.155216
	IMAS 2014	0.267396758	0.7710974	1.600571	13.2966652	77.8463709
	IMAS 2015	0.18640353	0.8643713	8.7808214	13.2576786	73.0622259
	IMAS 2016	0.053994853	0.8314514	3.0117427	13.1775365	73.8267077
	IMAS 2017	0.047772282	0.9479517	18.302006	13.1863629	70.4186127
36	INAF 2013	0.103399819	0.561259	15.449853	12.1262932	54.3616455
	INAF 2014	0.239440577	0.5186312	0.0002323	12.1403308	52.5800580
	INAF 2015	0.113170105	0.441045	18.606202	12.2100238	61.3545333
	INAF 2016	2.519217639	1.6226902	5.0664684	12.2239378	58.3277903
	INAF 2017	4.474987652	2.4775154	9.6898113	12.2125384	65.5913064
37	INAI 2013	0.376194003	0.7327814	1.4362537	12.8066565	83.5068717
	INAI 2014	0.455388568	0.7844459	14.298704	12.104028	8.6377181
	INAI 2015	0.026749962	0.6182527	32.820335	12.1413482	81.9718679
	INAI 2016	0.079194904	0.6290962	0.6551833	12.1087375	80.7311159
	INAI 2017	0.021584063	0.6250375	0.164756	11.9913528	77.1479619
38	INCI 2013	0.755412474	0.8466559	7.3452684	11.9097927	7.38227168
	INCI 2014	0.835246746	0.8707205	11.625507	11.0518426	13.3234301
	INCI 2015	0.785767043	0.7593075	9.138966	11.1356681	9.13896597
	INCI 2016	0.500132153	0.5958347	37.053946	11.2456793	9.8477009
	INCI 2017	0.603350477	0.6431111	11.335854	11.4308918	11.6556676
39	INDF 2013	0.134434501	0.6752328	23.950206	14.7588513	50.8582937
	INDF 2014	0.127768797	0.7050351	9.1298555	14.8034196	52.0259356



	INDF 2015	0.093655399	0.670588	6.4167953	14.8065998	53.0427132
	INDF 2016	0.158358276	0.6254145	1.2169223	14.8238621	46.5267023
	INDF 2017	0.127266187	0.6150483	6.5556136	14.8462542	46.8307980
40	INDS 2013	0.080088284	1.6337313		13.2310736	20.1979986
	INDS 2014	0.057585929	2.142225	3.7739955	13.8181533	20.1518133
	INDS 2015	1.196213506	1.7615635	10.621373	13.8415284	24.8593281
	INDS 2016	0.025703376	0.4699594	4.0363709	13.7972606	16.5171931
	INDS 2017	0.038537519	0.4624816	16.429687	13.8817155	11.9032430
41	INTP 2013	0.59295063	0.5825793	7.5167508	13.2716325	13.6412264
	INTP 2014	0.68714663	0.6576494	7.8855258	13.3009431	14.1948271
	INTP 2015	0.637246692	0.6418356	0.0260507	13.2503712	13.6491817
	INTP 2016	0.216885161	0.8878123	8.3322444	13.1864478	13.306135
	INTP 2017	0.608923565	0.6534493	0.0017323	13.1592964	14.9224547
42	ISSP 2013	0.044604359	0.9759794	2.2760498	12.5482688	55.9707500
	ISSP 2014	0.061874492	0.9460236	19.282575	12.5273557	57.6563090
	ISSP 2015	0.044116452	1.1050993	0.0867493	12.5543124	53.1272141
	ISSP 2016	0.047572968	1.1763466	9.830281	12.513111	56.2207920
	ISSP 2017	0.024255485	0.7876941	3.629618	12.5644412	54.6853469
43	JPFA 2013	0.026482997	0.5541275	26.519874	13.3306695	64.8386770
	JPFA 2014	0.016582401	0.528627	10.961024	13.3491804	6.54769010
	JPFA 2015	0.128833036	0.5801651	2.3602774	13.3983394	64.3976921
	JPFA 2016	0.187745232	0.6062537	10.866968	13.4323759	51.3116201
	JPFA 2017	0.161078073	0.5481057	8.7154441	13.4713357	53.5492436
44	KAEF 2013	0.201733034	0.5457212	16.181625	12.6382969	34.2882519
	KAEF 2014	0.472762184	0.6777198	17.951504	12.6552368	42.8740353
	KAEF 2015	0.25949134	0.7355398	6.9045107	12.6866694	42.460819
	KAEF 2016	0.672424504	0.7740838	29.838912	12.7642885	50.7560626
	KAEF 2017	0.582922411	0.7687091	24.336453	12.7872818	57.8008876
45	KBLI 2013	0.065220086	0.8305965	0.7479307	12.4103301	33.6847481
	KBLI 2014	0.061087166	0.8289665	0.2877929	12.3898963	30.893388
	KBLI 2015	0.047170295	0.7121283	13.591868	12.4252143	33.7954609
	KBLI 2016	0.083702302	0.605895	17.079125	12.4501391	29.3935014
	KBLI 2017	0.097093864	0.5057979	37.904079	12.5032969	4.07137257
46	KBLM 2013	0.070309677	0.6857767	1.5283597	11.0140109	58.7856178
	KBLM 2014	0.062737162	0.3155381	0.5772152	11.6360293	82.5976846
	KBLM 2015	0.053427708	0.3083049	15.281464	11.9857452	54.6940936
	KBLM 2016	0.08981608	1.228282	1.5647215	11.9944971	49.8263794
	KBLM	0.042758122	0.8262592	15.876592	11.0847467	35.9270307

	2017					
67	KBRI 2013	0.297564307	0.5338579	0.0253566	10.0744063	12.1094206
	KBRI 2014	0.381139991	0.7570362	39.295	10.5405741	47.892137
	KBRI 2015	0.303143918	0.7473062	0.7147228	10.8110355	64.5278340
	KBRI 2016	1.175235337	1.0494545	13.185296	10.2078157	65.5052298
	KBRI 2017	0.682476703	0.7628264	2.2739072	10.1584461	66.5628101
47	KDSI 2013	0.396936001	0.74092	0.0117615	12.1418618	58.5985795
	KDSI 2014	0.399597746	0.8192698	22.712619	12.1801104	67.1009022
	KDSI 2015	0.204145455	0.8179463	6.5415336	12.2339971	67.8087731
	KDSI 2016	0.337673661	0.7915151	8.7544746	12.3000163	63.2501162
	KDSI 2017	0.045876756	0.6898461	14.004376	12.3513167	63.4462904
48	KIAS 2013	0.110197288	0.4592825	6.2800036	11.9594449	9.85529198
	KIAS 2014	0.127956085	1.3690418	2.7681149	11.9382156	28.3725436
	KIAS 2015	0.007390512	1.8342054	1.498603	11.903303	15.2364762
	KIAS 2016	0.007633583	1.7969242	0.4301839	11.9363703	18.263448
	KIAS 2017	0.101659528	1.7051832	0.0277211	11.9085194	19.2844836
49	KICI 2013	0.080492041	0.8161064	3.3976575	12.9957654	24.7407954
	KICI 2014	0.081247976	0.439562	0.3987241	12.0127107	32.2667464
	KICI 2015	0.055156903	0.3424304	25.039229	12.9625114	30.2323843
	KICI 2016	0.371717172	0.5242502	4.2772334	12.997299	36.3350261
	KICI 2017	0.038498361	0.4499612	6.4315353	12.0546514	38.7632177
50	KLBF 2013	1.063355422	0.8966133	0.0883778	13.2041778	24.8792581
	KLBF 2014	0.908733951	0.8000726	8.9333457	13.2397631	20.9863170
	KLBF 2015	0.588315317	0.6015449	9.28261	13.2525488	20.1376120
	KLBF 2016	0.569774398	0.6006471	10.045914	13.2872245	18.141077
	KLBF 2017	0.592985283	0.6023016	8.3666958	13.3049668	16.3828142
51	KRAH 2013	0.041716576	0.7713603	6.0747864	11.4883598	52.9387553
	KRAH 2014	0.117051759	0.5681199	20.986226	11.3702669	63.6289333
	KRAH 2015	0.276434897	0.5515703	0.9371404	11.4521853	66.9035757
	KRAH 2016	1.28656821	0.7544668	10.885552	11.4949153	70.2419030
	KRAH 2017	0.48876243	0.7698323	7.2474837	11.4203931	80.6439419
52	LION 2013	1.096530577	4.6221194	1.4842512	11.5233228	16.6042699
	LION 2014	10.89575964	4.1677266	16.919573	11.577058	26.0161727
	LION 2015	1.20142676	0.6118522	6.1357084	11.59023	28.8944067
	LION 2016	1.160570357	0.598894	6.7777726	11.5787963	31.3815725
	LION 2017	0.865961402	0.5314115	0.1319768	11.5436842	33.6732778
53	LMPI 2013	0.140026648	1.1197665	17.058301	11.830018	51.6631883

	LMPI 2014	0.114486566	0.9490147	0.9519194	11.7105802	51.086918
	LMPI 2015	0.07289986	1.1162888	10.087089	11.6556147	49.4117335
	LMPI 2016	0.085607679	1.0833875	2.1313852	11.6453682	49.6310921
	LMPI 2017	0.11488285	0.7302726	2.8977363	11.6139623	54.914995
54	LMSH 2013	0.069522336	0.6214531	7.0572826	11.4085974	22.039543
	LMSH 2014	0.549945131	0.6369485	14.180879	11.1943006	20.1665806
	LMSH 2015	0.490922482	0.5710494	0.0523236	11.2419422	15.9522612
	LMSH 2016	0.482796665	0.6582737	17.838079	11.1900094	27.9507534
	LMSH 2017	0.473993601	0.638046	18.614645	11.3509667	19.5710803
55	LPIN 2013	3.704398165	2.8410374	17.937391	10.8877924	26.9769266
	LPIN 2014	1.52288356	1.3921592	4.9596675	10.7523806	29.2720385
	LPIN 2015	4.902505895	2.3362335	20.646993	10.8909247	2.51351056
	LPIN 2016	1.112024398	1.3416435	0.1047035	10.1515135	8.92583360
	LPIN 2017	0.599045848	0.8968628	2.6529316	10.0125071	15.7648980
63	MAIN 2013	0.115456074	0.4367812	18.719173	12.5769187	95.4426593
	MAIN 2014	0.115018606	0.4500038	9.0893287	12.3687893	58.290137
	MAIN 2015	0.153308867	0.3960445	9.5080681	12.6789747	61.1405071
	MAIN 2016	0.125111124	0.3641022	26.131113	12.7191407	54.4098129
	MAIN 2017	0.180344596	0.4523822	6.0257411	12.7357103	58.2256818
56	MBTO2013	0.072310359	0.2387049	1.6346019	11.8070508	26.2273971
	MBTO2014	0.051798046	0.7583766	6.8700447	11.7948065	34.2192635
	MBTO2015	0.034499118	1.5162427	0.0123286	11.8418492	33.084655
	MBTO2016	0.044894053	0.63261	8.6004966	11.835972	37.8940192
	MBTO2017	0.034997565	0.685614	9.0577325	11.86426	47.1296450
57	MERK 2013	8.265220783	5.5287684	0.1147865	12.076987	26.5052976
	MERK 2014	6.472926112	4.4500276	2.742565	11.94618	22.7335721
	MERK 2015	0.320477569	0.386701	4.6754693	11.9927505	26.1987640
	MERK 2016	0.353680688	0.4344298	13.749601	12.0148594	21.6769540
	MERK 2017	0.309373443	0.4207384	12.168932	12.0632012	27.3397064
59	MLBI 2013	1.962339586	0.8442828	35.356211	12.5906208	80.3656037
	MLBI 2014	2.308878524	0.8400867	8.9616956	12.4754534	75.1777525
	MLBI 2015	1.144713495	0.7952619	0.001904	12.4307711	63.5157719
	MLBI 2016	3.016822236	0.8182536	7.6563556	12.5136585	63.928514

	MLBI 2017	1.374042755	1.1671451	9.3638524	12.5301659	57.5748243
60	MLIA 2013	0.100156386	0.6341704	39.026732	12.4461857	83.4474409
	MLIA 2014	0.140953509	0.6835059	2.530863	12.6311531	13.7577182
	MLIA 2015	0.12561888	0.6585461	12.661329	12.7569394	8.4350964
	MLIA 2016	0.451087967	0.3994868	7.7396632	12.7629589	79.1146047
	MLIA 2017	0.091478343	0.7553112	1.44601	12.7977615	66.176957
58	MRAT 2013	0.362115935	0.4624308	4.2185193	11.515997	15.6602404
	MRAT 2014	0.291569171	0.3139788	3.3267712	11.6484508	7.67599371
	MRAT 2015	0.159486932	0.2314617	9.0526866	11.6315381	7.58466273
	MRAT 2016	0.243518501	0.2824599	16.561878	11.537014	7.64100886
	MRAT 2017	0.162387527	0.2372243	2.8786337	11.5374148	7.3736413
62	MYOR2013	1.488557347	1.0885396	14.493877	13.170811	63.3198576
	MYOR2014	0.144727936	0.5332511	1.7479127	13.170811	60.4094245
	MYOR2015	2.106155744	1.3621666	9.2104809	13.170811	54.2044421
	MYOR2016	1.196571101	0.9726243	12.224536	13.2636351	51.5163948
	MYOR2017	1.268119883	0.9974228	13.364495	13.3184113	50.6944192
61	MYRX 2013	0.091020067	0.433532	0.2623494	11.3036215	9.86189925
	MYRX 2014	0.12011177	0.4376767	0.2096649	11.3823719	15.0576403
	MYRX 2015	0.084393821	1.0359317	31.033951	11.2688119	23.8230631
	MYRX 2016	0.023610776	0.3640582	1.324262	11.8692458	28.4932146
	MYRX 2017	0.132748389	0.5535444	15.965957	11.9470085	30.4352074
64	MYTX 2013	0.169583034	0.8139054	0.4772205	12.2788225	10.1124210
	MYTX 2014	0.041871666	0.7489507	0.0011091	12.1815747	10.3378593
	MYTX 2015	0.102066519	0.7251015	20.747363	12.2455871	9.66429745
	MYTX 2016	0.096723538	0.3651662	0.4939012	12.1128573	15.7105664
	MYTX 2017	0.013488875	0.8293263	4.0182298	12.2149521	8.99071539
65	NIPS 2013	0.104953495	0.6954696	1.252493	11.9595489	70.4479560
	NIPS 2014	0.648325076	0.8308994	33.843915	11.0068373	52.2813833
	NIPS 2015	0.95218829	1.1055957	10.12768	11.2469582	50.0396897

	NIPS 2016	0.04771877	1.0789284	24.472028	11.0168812	52.60958
	NIPS 2017	0.435847475	0.8333822	6.3228889	11.0322345	53.6601700
66	PICO 2013	0.858523302	0.7557387	1.6092688	11.835341	65.3950997
	PICO 2014	0.5917321	0.7195609	0.8340328	11.8415674	63.1197850
	PICO 2015	0.465422517	0.5534063	0.2822611	11.8478495	59.7589374
	PICO 2016	0.454731032	0.5598192	1.5920849	11.848639	58.3688221
	PICO 2017	0.33541634	0.6950711	11.339597	11.8733582	61.167922
67	PSDN 2013	0.05232406	1.7154784	0.0004396	11.1070583	39.5062162
	PSDN 2014	0.055396088	1.5513289	0.0011245	11.9890407	40.2862292
	PSDN 2015	0.054168889	2.2831565	3.2237318	11.9468976	47.7241259
	PSDN 2016	0.068844212	1.7630408	5.1083134	11.9698379	57.1296595
	PSDN 2017	0.123091307	1.3824191	5.3811977	11.1459977	56.6579351
68	PYFA 2013	0.023607348	0.2910628	5.7104052	11.2845564	46.3785680
	PYFA 2014	0.021083496	0.2848571	0.4052412	10.3469442	44.1004831
	PYFA 2015	0.017394564	0.3799425	5.6910907	10.3469434	43.7310569
	PYFA 2016	0.029795894	0.2845876	0.0250077	10.3381456	36.7168695
	PYFA 2017	0.026155494	0.312966	4.2570767	10.3363637	36.8447831
69	RICY 2013	0.024466931	0.5444151	3.0748769	10.9930767	8.39919350
	RICY 2014	0.023950105	0.7921271	5.2993863	12.073881	66.7014447
	RICY 2015	0.021348488	0.4121683	2.1850721	12.045734	66.6098238
	RICY 2016	0.239575077	0.4629387	7.0218969	12.0869002	67.9906715
	RICY 2017	0.018727105	0.4292862	6.2396732	12.2042372	68.6953324
70	RMBA 2013	0.259277398	0.7224685	24.874469	13.0889725	8.07334064
	RMBA 2014	0.149329135	0.6155514	9.9363488	13.1489466	1.09566095
	RMBA 2015	0.064966493	1.0491459	19.076766	13.225671	1.24859872
	RMBA 2016	0.186613176	0.3859203	5.9683765	13.2839567	2.9916116
	RMBA 2017	0.017081104	0.408676	4.3524567	13.306618	3.66373189
71	ROTI 2013	0.022375823	0.2943942	15.226676	12.4431055	58.693112
	ROTI 2014	0.029347058		8.057689	12.4502654	55.5002274
	ROTI 2015	0.065845	0.3169245	20.818994	12.3373598	56.0830443
	ROTI 2016	0.056134951	0.6194536	7.3062829	12.4017315	50.5846149
	ROTI 2017	0.027969776	0.2617536	35.966802	12.3963912	38.1497943
72	SCCO 2013	0.021246281	1.5851975	8.2351701	12.1935414	67.8602722
	SCCO 2014	0.027848877	1.4009671	22.234675	12.4348398	58.683264
	SCCO 2015	0.025127257	0.8560511	11.936199	12.5481536	47.9821153
	SCCO 2016	0.14830805	2.2049908	27.624855	12.5287332	50.1856171
	SCCO 2017	0.046059007	1.489222	38.968972	12.6474226	32.036335

73	SPMA 2013	0.035484277	0.7519699	0.5658971	12.1448351	57.2445202
	SPMA 2014	0.028051799	0.7970844	15.528581	12.1905587	61.5288447
	SPMA 2015	0.015678447	0.8289682	4.2786004	12.2099213	63.6022818
	SPMA 2016	0.380139996	0.6584953	2.1770826	12.2861049	48.5117407
	SPMA 2017	0.019743581	1.4121673	0.7725671	12.3207978	45.0494515

Lampiran 3 :Nilai communalities IOS

### Communalities

	Initial	Extraction
MBVA	1,000	,557
MBVE	1,000	,384
PPMVA	1,000	,273

Extraction Method: Principal Component Analysis.

Lampiran 4 : Data Perhitungan Proksi IOS

NOMOR	nama perusahaan	MBVA	MBVE	PPMVA	IOS
1	ADES 2013	2.071739	2.78529	0.303475	1.899801
	ADES 2014	2.032002	2.776812	0.305105	1.879254
	ADES 2015	1.41405	1.82367	0.520346	1.342644
	ADES 2016	1.267889	1.534873	0.575949	1.196738
	ADES 2017	1.117976	1.234337	0.786194	1.080172
2	AISA 2013	1.447302	1.952924	0.438769	1.38044
	AISA 2014	1.428138	1.880392	0.37585	1.334556
	AISA 2015	0.992009	0.981749	0.736976	0.931413
	AISA 2016	1.215654	1.468009	0.377931	1.107092
	AISA 2017	0.785343	0.449958	1.419996	0.821976
3	AKKU 2013	2.497513	28.63372	0.299912	10.27046
	AKKU 2014	1.731026	18.15068	0.039618	6.544364
	AKKU 2015	1.868291	26.62618	0.031353	9.286369
	AKKU 2016	0.717146	0.611902	0.102261	0.545583
	AKKU 2017	0.631241	0.458142	0.127509	0.463211
4	AKPI 2013	0.749235	0.492162	1.315135	0.795178

	AKPI 2014	0.802426	0.573475	1.34158	0.85125
	AKPI 2015	0.82222	0.537214	1.348295	0.850372
	AKPI 2016	0.80579	0.546411	1.305745	0.836174
	AKPI 2017	0.769203	0.437595	1.514474	0.831906
5	ALDO 2013	1.740073	2.59502	0.283052	1.682852
	ALDO 2014	1.736846	2.716661	0.253939	1.7133
	ALDO 2015	1.63747	2.365017	0.285103	1.563485
	ALDO 2016	1.314653	1.642706	0.331885	1.197418
	ALDO 2017	1.143948	1.438391	0.420009	1.074287
6	ALKA 2013	1.115595	1.468727	0.227225	1.02752
	ALKA 2014	1.11985	1.474321	0.295607	1.04662
	ALKA 2015	1.087082	1.203031	0.842304	1.068713
	ALKA 2016	1.593196	2.326283	0.507787	1.580996
	ALKA 2017	1.25176	1.978958	0.166445	1.237718
7	ALMI 2013	0.789798	0.11995	2.357476	0.930452
	ALMI 2014	0.860272	0.268606	1.984452	0.925924
	ALMI 2015	0.797563	0.21583	3.633111	1.251203
	ALMI 2016	0.864857	0.279241	3.738521	1.32584
	ALMI 2017	0.897592	0.357695	1.752501	0.919066
8	AMFG 2013	1.156816	1.201046	0.430684	1.007516
	AMFG 2014	1.099404	1.126477	0.426988	0.956757
	AMFG 2015	0.881946	0.851301	0.620393	0.813436
	AMFG 2016	0.874391	0.807887	0.946244	0.869513
	AMFG 2017	0.85098	0.736811	0.983308	0.844625
9	APLI 2013	0.604001	0.447816	1.544079	0.765999
	APLI 2014	0.622611	0.541022	1.321336	0.75393
	APLI 2015	0.598014	0.440059	1.965894	0.855655
	APLI 2016	0.743786	0.632207	1.009898	0.768335
	APLI 2017	0.701068	0.475386	1.322612	0.769453
10	ARGO 2013	1.000107	1.000767	0.001215	0.775689
	ARGO 2014	3.794983	-0.17781	0.241839	1.739332
	ARGO 2015	7.928516	0.09543	0.278246	3.730469
	ARGO 2016	1.18067	0.052991	0.228579	0.609871
	ARGO 2017	3.078261	0.038338	0.231533	1.476542
11	ARNA 2013	2.176287	2.79007	0.142726	1.913133
	ARNA 2014	5.409266	7.105226	0.115929	4.755368
	ARNA 2015	2.272724	1.961081	0.24557	1.718289
	ARNA 2016	2.8594	4.026571	0.228739	2.637013
	ARNA 2017	1.944299	2.468962	0.323945	1.745876
12	ASII 2013	1.930771	2.875725	0.367337	1.87809
	ASII 2014	1.798638	2.56839	0.396208	1.726744

	ASII 2015	1.474131	1.919668	0.49236	1.394281
	ASII 2016	1.692157	2.394475	0.411698	1.626362
	ASII 2017	1.62641	2.1494	0.462956	1.530203
13	AUTO 2013	1.858218	2.132859	0.365077	1.609317
	AUTO 2014	1.702007	1.995807	0.448353	1.513021
	AUTO 2015	0.830404	0.760253	1.152269	0.880595
	AUTO 2016	0.955099	0.937731	0.907492	0.9389
	AUTO 2017	0.943747	0.922816	0.87543	0.921763
14	BAJA 2013	1.724325	4.503974	0.376388	2.300436
	BAJA 2014	1.379004	3.126931	0.500123	1.734251
	BAJA 2015	0.989008	0.935484	1.755944	1.144544
	BAJA 2016	1.404525	3.022859	0.385228	1.687204
	BAJA 2017	1.122546	1.674261	0.725195	1.207704
15	BATA 2013	3.785939	5.77846	0.105663	3.588585
	BATA 2014	2.304574	3.375254	0.193265	2.168457
	BATA 2015	1.783158	2.138208	0.227022	1.545525
	BATA 2016	1.583844	1.843292	0.253871	1.366831
	BATA 2017	1.219345	1.323992	0.35397	1.057843
16	BRNA 2013	1.12921	1.475279	0.944275	1.197088
	BRNA 2014	1.096229	1.358523	0.837623	1.121041
	BRNA 2015	0.821937	0.608396	1.255878	0.851975
	BRNA 2016	1.023295	1.047315	0.831526	0.987769
	BRNA 2017	1.183754	1.423262	0.745332	1.160922
17	BTON 2013	0.656417	0.56405	0.610458	0.616865
	BTON 2014	0.714616	0.661755	0.48735	0.646789
	BTON 2015	0.613335	0.525135	0.575011	0.576818
	BTON 2016	0.702108	0.632048	0.516094	0.638117
	BTON 2017	0.600663	0.526129	0.533495	0.561983
18	BUDI 2013	0.187501	0.187501	1.388815	0.457648
	BUDI 2014	0.814479	0.494427	1.388985	0.842437
	BUDI 2015	0.748369	0.256446	1.860999	0.842973
	BUDI 2016	0.736146	0.335982	1.723262	0.831549
	BUDI 2017	0.737437	0.353985	1.665947	0.824947
19	CEKA 2013	0.901064	0.799678	0.499688	0.778735
	CEKA 2014	0.928901	0.830154	0.486808	0.79825
	CEKA 2015	0.839639	0.627643	0.540048	0.705212
	CEKA 2016	0.940623	0.904642	0.384786	0.804247
	CEKA 2017	0.902707	0.849958	0.497265	0.794848
20	CPIN 2013	2.925519	4.042277	0.157947	2.656399
	CPIN 2014	3.446009	5.632277	0.160824	3.398786
	CPIN 2015	2.21829	3.394105	0.258318	2.14946



	CPIN 2016	2.508473	3.579074	0.224541	2.333512
	CPIN 2017	2.365831	3.133319	0.241753	2.13094
21	DLTA 2013	0.353104	44.97043	0.003905	14.38747
	DLTA 2014	0.317126	41.06508	0.003633	13.1356
	DLTA 2015	4.191504	4.900337	0.025005	3.478767
	DLTA 2016	3.497021	3.954366	0.023766	2.860631
	DLTA 2017	2.887158	3.210626	0.024113	2.345643
22	DPNS 2013	0.573929	0.511104	0.682931	0.578569
	DPNS 2014	0.556528	0.494924	0.687426	0.566478
	DPNS 2015	0.587592	0.530871	0.606324	0.573863
	DPNS 2016	0.558259	0.503114	0.788267	0.59254
	DPNS 2017	0.507327	0.432542	0.9246	0.577506
23	DVLA 2013	0.23891	0.0098	4.010181	1.01451
	DVLA 2014	0.22706	0.000716	2.369972	0.637356
	DVLA 2015	0.296494	0.005441	4.910655	1.242047
	DVLA 2016	0.934172	0.006624	2.801433	1.060683
	DVLA 2017	0.936812	0.007118	3.4309	1.203602
24	EKAD 2013	1.101324	0.114646	0.032928	0.548971
	EKAD 2014	1.22336	0.134327	0.038674	0.61248
	EKAD 2015	0.968049	0.095735	0.045115	0.484582
	EKAD 2016	0.744164	0.069641	0.044121	0.373383
	EKAD 2017	0.777641	0.07327	0.02356	0.385267
25	ETWA 2013	0.928597	0.079304	1.096875	0.697799
	ETWA 2014	0.966912	0.085079	0.477406	0.577902
	ETWA 2015	0.486586	0.009941	0.338812	0.302587
	ETWA 2016	0.385298	0.010028	0.274963	0.241785
	ETWA 2017	0.220964	0.006176	0.376791	0.188066
26	FASW 2013	1.398002	2.454139	0.576505	1.547333
	FASW 2014	1.437885	2.485907	0.611908	1.583642
	FASW 2015	1.018826	1.053843	0.956361	1.015855
	FASW 2016	1.815649	3.216568	0.472874	1.956815
	FASW 2017	2.077097	4.069132	0.41924	2.334384
27	GDST 2013	0.84959	0.797365	0.370431	0.72532
	GDST 2014	1.031619	1.046032	0.519984	0.921123
	GDST 2015	0.729199	0.601435	0.794954	0.703573
	GDST 2016	1.075124	1.113537	0.559733	0.971375
	GDST 2017	0.865667	0.795476	0.718024	0.810264
28	GGRM 2013	2.341	3.314464	0.16369	2.15929
	GGRM 2014	2.435286	3.51479	0.166677	2.266587

	GGRM 2015	2.06789	2.78428	0.195167	1.87336
	GGRM 2016	2.324588	3.107586	0.168555	2.087417
	GGRM 2017	2.768855	3.799127	0.141739	2.503963
29	GJTL 2013	1.008389	1.022496	0.67972	0.938941
	GJTL 2014	0.936508	0.829761	0.788086	0.869366
	GJTL 2015	0.797389	0.34232	1.064251	0.713457
	GJTL 2016	0.886647	0.637589	0.913858	0.813987
	GJTL 2017	0.817475	0.416405	1.052509	0.743466
30	HDTX 2013	1.519385	2.715655	0.22636	1.607006
	HDTX 2014	1.187113	2.285201	0.827492	1.453578
	HDTX 2015	1.367199	2.283225	0.728288	1.513271
	HDTX 2016	1.191919	1.772513	0.852683	1.29928
	HDTX 2017	1.360039	0.535573	0.85991	0.986786
31	HMSP 2013	2.781994	5.376668	0.000809	2.977291
	HMSP 2014	2.818456	5.914954	0.000952	3.164318
	HMSP 2015	2.878107	3.415129	0.00075	2.400923
	HMSP 2016	1.067631	0.130358	0.019805	0.535531
	HMSP 2017	1.199178	0.149008	0.017541	0.601276
32	ICBP 2013	5.921422	0.889024	0.658733	3.146171
	ICBP 2014	6.476511	1.007058	0.008682	3.292008
	ICBP 2015	6.24874	0.950739	0.0086	3.16967
	ICBP 2016	3.81988	5.405211	0.001547	3.462683
	ICBP 2017	3.611572	5.062946	0.001601	3.258858
33	IGAR 2013	1.151813	1.211668	0.182555	0.952782
	IGAR 2014	0.952441	0.943045	0.27772	0.79774
	IGAR 2015	0.732325	0.668979	0.316896	0.618868
	IGAR 2016	1.246657	1.290027	0.151145	1.01402
	IGAR 2017	0.821716	0.793044	0.258438	0.685979
34	IKAI 2013	0.757761	0.431507	1.471248	0.81501
	IKAI 2014	0.829447	0.504977	1.548648	0.888545
	IKAI 2015	1.06243	0.135274	1.040492	0.764228
	IKAI 2016	0.978641	0.090847	1.181793	0.743507
	IKAI 2017	1.712566	-0.54797	1.445895	0.937568
35	IMAS 2013	0.817457	0.388359	1.419463	0.817106
	IMAS 2014	0.744923	0.267397	1.533003	0.771097
	IMAS 2015	0.780835	0.186404	1.988434	0.864371
	IMAS 2016	0.752399	0.053995	2.086306	0.831451
	IMAS 2017	0.718318	0.047772	2.682658	0.947952
36	INAF 2013	0.590806	0.1034	1.144995	0.561259

	INAF 2014	0.639344	0.239441	0.66505	0.518631
	INAF 2015	0.65728	0.11317	0.461048	0.441045
	INAF 2016	1.633092	2.519218	0.340419	1.62269
	INAF 2017	2.195698	4.474988	0.242875	2.477515
37	INAI 2013	0.897115	0.376194	0.899067	0.732781
	INAI 2014	0.925809	0.455389	0.958874	0.784446
	INAI 2015	0.867944	0.02675	0.940814	0.618253
	INAI 2016	0.959911	0.079195	0.727625	0.629096
	INAI 2017	0.820804	0.021584	1.074431	0.625037
38	INCI 2013	0.773469	0.755412	1.124322	0.846656
	INCI 2014	0.879054	0.835247	0.903614	0.87072
	INCI 2015	0.805346	0.785767	0.628158	0.759308
	INCI 2016	0.549358	0.500132	0.825276	0.595835
	INCI 2017	0.649583	0.60335	0.685834	0.643111
39	INDF 2013	0.575342	0.134435	1.639723	0.675233
	INDF 2014	0.581555	0.127769	1.768949	0.705035
	INDF 2015	0.574405	0.093655	1.678339	0.670588
	INDF 2016	0.549946	0.140753	1.461113	0.625414
	INDF 2017	0.535974	0.127266	1.462493	0.615048
40	INDS 2013	0.202044	0.000801	6.851662	1.633731
	INDS 2014	0.201564	0.000576	9.114171	2.142225
	INDS 2015	0.248602	0.00012	7.326083	1.761563
	INDS 2016	0.165274	0.000257	1.752287	0.469959
	INDS 2017	0.119066	0.000385	1.813131	0.462482
41	INTP 2013	0.648477	0.592951	0.43354	0.582579
	INTP 2014	0.731556	0.687147	0.465368	0.657649
	INTP 2015	0.68676	0.637247	0.556632	0.641836
	INTP 2016	0.321087	2.168852	0.242196	0.887812
	INTP 2017	0.667282	0.608924	0.687857	0.653449
42	ISSP 2013	0.579346	0.044604	3.095293	0.975979
	ISSP 2014	0.602763	0.061874	2.890014	0.946024
	ISSP 2015	0.551968	0.044116	3.72602	1.105099
	ISSP 2016	0.583037	0.047573	3.974598	1.176347
	ISSP 2017	0.557845	0.024255	2.330502	0.787694
43	JPFA 2013	0.657699	0.026483	1.084994	0.554128
	JPFA 2014	0.617116	0.016582	1.068321	0.528627
	JPFA 2015	0.677155	0.012883	1.180212	0.580165
	JPFA 2016	0.549271	0.018775	1.548859	0.606254
	JPFA 2017	0.570346	0.016073	1.251083	0.548106
44	KAEF 2013	0.475445	0.201733	1.172957	0.545721
	KAEF 2014	0.69881	0.472762	0.922981	0.67772

	KAEF 2015	0.573917	0.259491	1.734904	0.73554
	KAEF 2016	0.838689	0.672425	0.785264	0.774084
	KAEF 2017	0.823997	0.582922	0.917232	0.768709
45	KBLI 2013	0.380098	0.06522	2.826318	0.830597
	KBLI 2014	0.351149	0.061087	2.883948	0.828966
	KBLI 2015	0.369183	0.04717	2.347162	0.712128
	KBLI 2016	0.353034	0.083702	1.856318	0.605895
	KBLI 2017	0.464701	0.097094	1.164529	0.505798
46	KBLM 2013	0.616834	0.07031	1.692152	0.685777
	KBLM 2014	0.49877	0.062737	0.29728	0.315538
	KBLM 2015	0.571147	0.053428	0.130539	0.308305
	KBLM 2016	0.543328	0.089816	4.227148	1.228282
	KBLM 2017	0.386667	0.042758	2.825224	0.826259
67	KBRI 2013	0.382625	0.297564	1.174786	0.533858
	KBRI 2014	0.677525	0.38114	1.447995	0.757036
	KBRI 2015	0.64884	0.303144	1.572961	0.747306
	KBRI 2016	1.056969	0.353664	2.012817	1.049454
	KBRI 2017	0.929468	0.068248	1.399818	0.762826
47	KDSI 2013	0.750323	0.396936	1.205581	0.74092
	KDSI 2014	0.798653	0.399598	1.451643	0.81927
	KDSI 2015	0.743805	0.204145	1.832585	0.817946
	KDSI 2016	0.756596	0.337674	1.501131	0.791515
	KDSI 2017	0.802159	0.045877	1.366497	0.689846
48	KIAS 2013	0.102625	0.001102	1.831441	0.459283
	KIAS 2014	0.018108	0.00128	6.049228	1.369042
	KIAS 2015	0.152991	0.000739	7.843317	1.834205
	KIAS 2016	0.183258	0.000763	7.615743	1.796924
	KIAS 2017	0.193665	0.001017	7.186192	1.705183
49	KICI 2013	0.931401	0.008049	1.717479	0.816106
	KICI 2014	0.323218	0.008125	1.283795	0.439562
	KICI 2015	0.302709	0.005516	0.897376	0.34243
	KICI 2016	0.362943	0.037172	1.538484	0.52425
	KICI 2017	0.387868	0.00385	1.204147	0.449961
50	KLBF 2013	1.047593	1.063355	0.354032	0.896613
	KLBF 2014	0.927887	0.908734	0.386451	0.800073
	KLBF 2015	0.671219	0.588315	0.477999	0.601545
	KLBF 2016	0.666489	0.592579	0.477659	0.600647
	KLBF 2017	0.659666	0.592985	0.498366	0.602302
51	KRAH 2013	0.54902	0.041717	2.251312	0.77136
	KRAH 2014	0.749315	0.117052	0.832898	0.56812
	KRAH 2015	0.760538	0.276435	0.512218	0.55157

	KRAH 2016	1.08527	0.295258	0.725452	0.754467
	KRAH 2017	0.900679	0.488762	0.898217	0.769832
52	LION 2013	9.31064	1.096531	0.015234	4.622119
	LION 2014	8.321262	1.089576	0.023004	4.167727
	LION 2015	1.143226	0.120143	0.21933	0.611852
	LION 2016	1.110183	0.116057	0.23487	0.598894
	LION 2017	0.911097	0.086596	0.382417	0.531411
53	LMPI 2013	0.584316	0.140027	3.590337	1.119766
	LMPI 2014	0.566878	0.114487	2.902527	0.949015
	LMPI 2015	0.530996	0.0729	3.778081	1.116289
	LMPI 2016	0.539431	0.085608	3.596689	1.083387
	LMPI 2017	0.600945	0.114883	1.859742	0.730273
54	LMSH 2013	0.762395	0.695223	0.230126	0.621453
	LMSH 2014	0.640706	0.549945	0.751661	0.636949
	LMSH 2015	0.572132	0.490922	0.681547	0.571049
	LMSH 2016	0.627359	0.482797	0.968174	0.658274
	LMSH 2017	0.576939	0.473994	0.993478	0.638046
55	LPIN 2013	3.632042	3.704398	0.012758	2.841037
	LPIN 2014	1.940658	1.522884	0.089184	1.392159
	LPIN 2015	1.678468	4.902506	0.068567	2.336234
	LPIN 2016	2.093429	1.112024	0.130762	1.341643
	LPIN 2017	1.510734	0.599046	0.063294	0.896863
63	MAIN 2013	0.718372	0.115456	0.314227	0.436781
	MAIN 2014	0.652873	0.115019	0.507279	0.450004
	MAIN 2015	0.67098	0.153309	0.176526	0.396044
	MAIN 2016	0.601137	0.125111	0.216646	0.364102
	MAIN 2017	0.657595	0.180345	0.416335	0.452382
56	MBTO 2013	0.315619	0.07231	0.315827	0.238705
	MBTO 2014	0.403648	0.051798	2.475996	0.758377
	MBTO 2015	0.35393	0.034499	5.971912	1.516243
	MBTO 2016	0.406822	0.044894	1.919961	0.63261
	MBTO 2017	0.4898	0.034998	2.000285	0.685614
57	MERK 2013	6.339552	8.265221	0.025456	5.528768
	MERK 2014	5.228735	6.472926	0.015842	4.450028
	MERK 2015	0.498504	0.320478	0.251739	0.386701
	MERK 2016	0.493783	0.353681	0.426913	0.43443
	MERK 2017	0.498189	0.309373	0.419362	0.420738
59	MLBI 2013	1.268458	0.196234	0.890383	0.844283
	MLBI 2014	1.324893	0.230888	0.707835	0.840087
	MLBI 2015	1.052798	0.114471	1.227409	0.795262
	MLBI 2016	1.191913	0.153204	0.991333	0.818254

	MLBI 2017	1.158688	1.374043	0.893379	1.167145
60	MLIA 2013	0.747711	0.100156	1.153655	0.63417
	MLIA 2014	0.793943	0.140954	1.221333	0.683506
	MLIA 2015	0.863168	0.125619	0.99067	0.658546
	MLIA 2016	0.800567	0.045109	0.079631	0.399487
	MLIA 2017	0.69271	0.091478	1.816778	0.755311
58	MRAT 2013	0.718206	0.362116	0.081676	0.462431
	MRAT 2014	0.456209	0.291569	0.055309	0.313979
	MRAT 2015	0.362499	0.159487	0.065346	0.231462
	MRAT 2016	0.421972	0.243519	0.052589	0.28246
	MRAT 2017	0.382375	0.162388	0.04634	0.237224
62	MYOR 2013	1.23687	1.488557	0.22324	1.08854
	MYOR 2014	0.661393	0.144728	0.818299	0.533251
	MYOR 2015	1.50657	2.106156	0.021051	1.362167
	MYOR 2016	1.095305	1.196571	0.407318	0.972624
	MYOR 2017	1.132198	1.26812	0.341681	0.997423
61	MYRX 2013	0.372631	0.09102	1.039562	0.433532
	MYRX 2014	0.252602	0.120112	1.261968	0.437677
	MYRX 2015	0.302519	0.084394	3.870735	1.035932
	MYRX 2016	0.301815	0.023611	0.969923	0.364058
	MYRX 2017	0.313587	0.013275	1.803068	0.553544
64	MYTX 2013	0.975855	0.169583	1.38978	0.813905
	MYTX 2014	0.944979	0.041872	1.343569	0.748951
	MYTX 2015	0.930035	0.010736	1.311799	0.725101
	MYTX 2016	0.429496	0.002234	0.744413	0.365166
	MYTX 2017	0.900433	0.013489	1.831799	0.829326
65	NIPS 2013	1.014639	0.104953	0.874887	0.69547
	NIPS 2014	0.832186	0.648325	1.085083	0.830899
	NIPS 2015	0.987816	0.952188	1.561682	1.105596

	NIPS 2016	0.752237	0.047719	3.195967	1.078928
	NIPS 2017	0.738573	0.435847	1.585991	0.833382
66	PICO 2013	0.951042	0.858523	0.212686	0.755739
	PICO 2014	0.84943	0.591732	0.634393	0.719561
	PICO 2015	0.783043	0.465423	0.208638	0.553406
	PICO 2016	0.772998	0.454731	0.272688	0.559819
	PICO 2017	0.741928	0.335416	1.105357	0.695071
67	PSDN 2013	0.398227	0.005232	6.808677	1.715478
	PSDN 2014	0.40617	0.00554	6.062085	1.551329
	PSDN 2015	0.480073	0.005417	9.165829	2.283156
	PSDN 2016	0.574248	0.006884	6.658725	1.763041
	PSDN 2017	0.571914	0.012309	4.963274	1.382419
68	PYFA 2013	0.476444	0.023607	0.289031	0.291063
	PYFA 2014	0.45279	0.021083	0.313246	0.284857
	PYFA 2015	0.447093	0.017395	0.752894	0.379942
	PYFA 2016	0.386024	0.029796	0.436015	0.284588
	PYFA 2017	0.384966	0.026155	0.56949	0.312966
69	RICY 2013	0.666159	0.024467	1.027377	0.544415
	RICY 2014	0.674989	0.02395	2.111635	0.792127
	RICY 2015	0.673227	0.021348	0.429257	0.412168
	RICY 2016	0.687575	0.023958	0.622082	0.462939
	RICY 2017	0.692816	0.018727	0.469099	0.429286
70	RMBA 2013	0.929244	0.259277	0.952107	0.722468
	RMBA 2014	0.884078	0.149329	0.723463	0.615551
	RMBA 2015	0.767552	0.064966	3.008021	1.049146
	RMBA 2016	0.313574	0.020565	1.047436	0.38592
	RMBA 2017	0.377196	0.017081	1.023719	0.408676
71	ROTI 2013	0.108223	0.022376	1.056858	0.294394
	ROTI 2014	0.050836	0.029347	0.225253	0.083261
	ROTI 2015	0.589748	0.065845	0.113452	0.316925
	ROTI 2016	0.533585	0.068536	1.569567	0.619454
	ROTI 2017	0.398797	0.02797	0.310983	0.261754
72	SCCO 2013	0.254612	0.021246	6.499826	1.585197
	SCCO 2014	0.486979	0.027849	5.19719	1.400967
	SCCO 2015	0.496198	0.025127	2.759028	0.856051
	SCCO 2016	0.959583	0.184559	7.587914	2.204991
	SCCO 2017	0.935322	0.046059	4.649284	1.489222

73	SPMA 2013	0.587617	0.035484	2.095103	0.75197
	SPMA 2014	0.626173	0.028052	2.22751	0.797084
	SPMA 2015	0.660998	0.015678	2.315644	0.828968
	SPMA 2016	0.510425	0.020597	1.857866	0.658495
	SPMA 2017	0.471861	0.019744	5.289242	1.412167