

Lampiran 1

Rasio Working Capital to Total Assets
Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018

No	Kode	Nama Perusahaan	Current Assets			Current Liabilities			Total Assets			WCTA		
			2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	2,822,070	3,358,272	4,096,280	388,653	478,209	631,055	3,731,102	4,428,841	5,321,181	0.6522	0.6503	0.6512
2	AMRT	Sumber Alfaria Trijaya Tbk	10,232,917	11,544,190	12,791,052	11,420,080	13,055,903	11,126,956	19,474,367	21,901,740	22,165,968	-0.0610	-0.0690	0.0751
3	CENT	Centratama Telekomunikasi Indonesia Tbk	214,293	765,449	940,154	149,006	737,171	778,970	1,314,930	4,494,835	5,207,342	0.0497	0.0063	0.0310
4	CSAP	Catur Sentosa Adiprana Tbk	3,134,577	3,662,500	4,086,694	2,492,613	3,159,792	3,302,706	4,240,820	51,318,259	5,785,288	0.1514	0.0098	0.1355
5	DAYA	Duta Intidaya Tbk	137,984	189,712	287,205	83,890	121,113	238,169	199,332	275,709	411,861	0.2714	0.2488	0.1191
6	ECII	Electronic City Indonesia Tbk	1,250,758	1,302,968	1,267,235	121,583	141,923	150,800	1,881,646	1,899,931	1,938,182	0.6001	0.6111	0.5760
7	ERAA	Erajaya Swasembada Tbk	5,168,223	6,684,618	10,053,692	3,935,217	5,048,800	7,740,592	7,424,604	8,873,956	12,682,903	0.1661	0.1843	0.1824
8	GLOB	Global Teleshop Tbk	40,904	32,501	22,136	257,404	247,283	258,421	74,599	60,812	37,180	-2.9022	-3.5319	-6.3552
9	GOLD	Golden Retailindo Tbk	38,823	24,495	30,984	65,647	71,632	48,022	186,982	233,252	239,216	-0.1435	-0.2021	-0.0712
10	HERO	Hero Supermarket Tbk	2,817,240	2,544,725	2,962,414	1,970,941	2,001,461	2,167,159	7,487,033	7,363,144	6,271,858	0.1130	0.0738	0.1268
11	KOIN	Kokoh Inti Arebama Tbk	652,907	700,601	803,043	562,686	609,522	734,504	708,069	743,789	855,573	0.1274	0.1225	0.0801
12	LPPF	Matahari Departement Store Tbk	2,974,052	2,973,749	3,014,408	2,588,354	2,610,824	2,739,811	4,858,878	5,427,426	5,036,396	0.0794	0.0669	0.0545
13	MAPI	Mitra Adi Perkasa Tbk	6,616,256	6,798,522	6,847,902	4,181,304	4,564,695	4,629,725	10,683,438	11,425,390	11,600,011	0.2279	0.1955	0.1912
14	MIDI	Midi Utama Indonesia Tbk	1,720,167	1,850,450	2,174,526	2,245,119	2,732,215	2,959,873	4,261,283	4,757,725	4,960,145	-0.1232	-0.1853	-0.1583
15	MKNT	Mitra Komunikasi Nusantara Tbk	149,728	863,413	761,295	23,887	665,249	558,243	157,849	968,128	855,097	0.7972	0.2047	0.2375
16	MPPA	Matahari Putra Prima	4,102,458	2,485,833	2,472,849	3,333,880	3,876,194	2,887,516	6,701,734	5,427,059	4,808,545	0.1147	-0.2562	-0.0862
17	RALS	Ramayana Lestari Sentosa Tbk	2,830,815	3,093,496	3,557,488	1,008,981	1,048,640	1,093,095	4,647,009	4,891,922	5,243,047	0.3920	0.4180	0.4700
18	RANC	Supra Boga Lestari Tbk	405,494	483,422	544,178	254,396	302,214	348,667	721,238	804,020	904,004	0.2095	0.2254	0.2163
19	RIMO	Rimo International Lestari Tbk	628	1,394,315	338,134	52,840	570,130	1,071,128	34,722	5,931,495	6,514,551	-1.5037	0.1390	-0.1125
20	SONA	Sona Topas Tourism Industry Tbk	726,322	828,526	998,371	288,874	372,598	389,767	1,031,213	1,141,551	1,250,810	0.4242	0.3994	0.4866
21	TELE	Tiphone Mobile Indonesia Tbk	7,472,601	8,025,250	7,609,754	1,247,690	2,068,709	1,466,633	8,215,481	8,749,797	8,339,085	0.7577	0.6808	0.7367
22	TRIO	Trikomsel Oke Tbk	228,937	174,278	128,387	4,204,061	670,487	829,312	430,032	266,120	193,663	-9.2438	-1.8646	-3.6193

Lampiran 2

Rasio Retained Earning to Total Assets
Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018

No	Kode	Nama Perusahaan	Total Assets			Retained Earning			RETA		
			2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	3,731,102	4,428,841	5,321,181	2,567,845	3,025,975	3,668,708	0.6882	0.6832	0.6895
2	AMRT	Sumber Alfaria Trijaya Tbk	19,474,367	21,901,740	22,165,968	2,646,527	2,766,170	3,176,712	0.1359	0.1263	0.1433
3	CENT	Centratama Telekomunikasi Indonesia Tbk	1,314,930	4,494,835	5,207,342	-131,900	-250,947	-215,310	-0.1003	-0.0558	-0.0413
4	CSAP	Catur Sentosa Adiprana Tbk	4,240,820	51,318,259	5,785,288	482,416	555,626	635,006	0.1138	0.0108	0.1098
5	DAYA	Duta Intidaya Tbk	199,332	275,709	411,861	-138,853	-143,548	-137,242	-0.6966	-0.5207	-0.3332
6	ECII	Electronic City Indonesia Tbk	1,881,646	1,899,931	1,938,182	420,119	407,625	429,452	0.2233	0.2145	0.2216
7	ERAA	Erajaya Swasembada Tbk	7,424,604	8,873,956	12,682,903	1,462,980	1,744,438	2,484,328	0.1970	0.1966	0.1959
8	GLOB	Global Teleshop Tbk	74,599	60,812	37,180	-903,220	-917,783	-939,063	-12.1077	-15.0921	-25.2572
9	GOLD	Golden Retailindo Tbk	186,982	233,252	239,216	25,879	25,268	17,232	0.1384	0.1083	0.0720
10	HERO	Hero Supermarket Tbk	7,487,033	7,363,144	6,271,858	2,260,541	2,001,501	744,246	0.3019	0.2718	0.1187
11	KOIN	Kokoh Inti Arebama Tbk	708,069	743,789	855,573	19,799	10,138	1,654	0.0280	0.0136	0.0019
12	LPPF	Matahari Departement Store Tbk	4,858,878	5,427,426	5,036,396	5,040,383	5,513,125	5,324,476	1.0374	1.0158	1.0572
13	MAPI	Mitra Adi Perkasa Tbk	10,683,438	11,425,390	11,600,011	1,905,578	2,147,938	2,868,567	0.1784	0.1880	0.2473
14	MIDI	Midi Utama Indonesia Tbk	4,261,283	4,757,725	4,960,145	516,892	560,616	688,926	0.1213	0.1178	0.1389
15	MKNT	Mitra Komunikasi Nusantara Tbk	157,849	968,128	855,097	9,939	34,570	27,457	0.0630	0.0357	0.0321
16	MPPA	Matahari Putra Prima	6,701,734	5,427,059	4,808,545	1,386,226	130,665	-695,341	0.2068	0.0241	-0.1446
17	RALS	Ramayana Lestari Sentosa Tbk	4,647,009	4,891,922	5,243,047	3,247,049	3,411,698	3,729,800	0.6987	0.6974	0.7114
18	RANC	Supra Boga Lestari Tbk	721,238	804,020	904,004	153,329	182,263	226,488	0.2126	0.2267	0.2505
19	RIMO	Rimo International Lestari Tbk	34,722	5,931,495	6,514,551	-176,788	-1,237,501	-1,125,501	-5.0915	-0.2086	-0.1728
20	SONA	Sona Topas Tourism Industry Tbk	1,031,213	1,141,551	1,250,810	360,210	412,546	537,510	0.3493	0.3614	0.4297
21	TELE	Tiphone Mobile Indonesia Tbk	8,215,481	8,749,797	8,339,085	1,519,517	1,816,713	2,230,633	0.1850	0.2076	0.2675
22	TRIO	Trikonsel Oke Tbk	430,032	266,120	193,663	-7,544,894	-7,732,517	-7,767,975	-17.5450	-29.0565	-40.1108

Rasio *EBIT to Total Assets*

Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018

\$o	%ode	\$a a Perusahaan	Total #ssets			EBIT			EBITT#		
			2016	2017	2018	2016	2017	2018	2016	2017	2018
	! "	# \$ %k ' (
)	* * \$ % \$#				+	+		+	+	
	,	*# *									
	. /	.#* * (+	+		+	+	
		% * *(+	+		+	+	
	"	' (\$									
	0 1 2 3	0% % % 4 -				+	+	+	+	+	+
	0 2 1 .	0 % " * %				+			+		
	" 2	#- \$ *					+	+		+	+
	5 2)	5 4 * \$					+	+		+	+
	1 , , 6	! * 4 . - * \$ * *									
	! ,	! *									
	! .	! 7* \$									
	! 5)	! * 5 \$#)# *									
	! , ,	! * 4 ,#* , \$					+	+		+	+
	" 1	" \$ (1 * *									
	")	#- 3 8 1 *									
	" ! 2	" \$ * * % 1 *				+			+		
	2)	- # \$ # * (+			+		
	1	-4 ! %									
	" 2	\$ % 2				+	+	+	+	+	+

Rasio Market Value of Equity to Book Value of Liability
Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018

No	Kode	Nama Perusahaan	Current Liabilities			Saham Biasa Beredar			Harga Pasar/Share			Long Term Liabilities			MVEBVL		
			2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	388,653	478,209	631,055	17,150,000	17,150,000	17,150,000	835	1,155	1,490	293,721	440,210	454,654	0.0210	0.0216	0.0235
2	AMRT	Sumber Alfaria Trijaya Tbk	11,420,080	13,055,903	11,126,956	41,525,000	41,525,000	41,525,000	625	610	935	2,759,524	3,595,667	5,021,454	0.0018	0.0015	0.0024
3	CENT	Centratama Telekomunikasi Indonesia Tbk	149,006	737,171	778,970	10,394,000	31,183,000	31,183,000	119	80	86	128,468	789,549	1,389,948	0.0045	0.0016	0.0012
4	CSAP	Catur Sentosa Adiprana Tbk	2,492,613	3,159,792	3,302,706	4,053,000	4,053,000	4,458,000	525	454	545	336,433	453,190	541,927	0.0008	0.0005	0.0006
5	DAYA	Duta Intidaya Tbk	83,890	121,113	238,169	2,078,000	2,230,000	2,078,000	195	189	210	15,853	33,768	10,290	0.0041	0.0027	0.0018
6	ECII	Electronic City Indonesia Tbk	121,583	141,923	150,800	1,334,000	1,334,000	1,334,000	600	605	1,130	32,302	42,743	51,884	0.0052	0.0044	0.0074
7	ERAA	Erajaya Swasembada Tbk	3,935,217	5,048,800	7,740,592	2,900,000	2,900,000	2,900,000	600	735	2,200	80,226	118,501	116,692	0.0004	0.0004	0.0008
8	GLOB	Global Teleshop Tbk	257,404	247,283	258,421	1,111,000	1,111,000	1,111,000	456	456	324	497,226	497,561	484,072	0.0007	0.0007	0.0005
9	GOLD	Golden Retailindo Tbk	65,647	71,632	48,022	315,000	315,000	315,000	500	560	540	9,383	39,867	97,141	0.0021	0.0016	0.0012
10	HERO	Hero Supermarket Tbk	1,970,941	2,001,461	2,167,159	4,184,000	4,184,000	4,184,000	1,260	925	790	58,309	162,940	163,221	0.0026	0.0018	0.0014
11	KOIN	Kokoh Inti Arebama Tbk	562,686	609,522	734,504	981,000	981,000	981,000	300	298	232	24,159	22,703	17,989	0.0005	0.0005	0.0003
12	LPPF	Matahari Departement Store Tbk	2,588,354	2,610,824	2,739,811	2,918,000	2,918,000	2,918,000	15,125	10,000	5,600	415,281	488,617	480,757	0.0147	0.0094	0.0051
13	MAPI	Mitra Adi Perkasa Tbk	4,181,304	4,564,695	4,629,725	1,660,000	1,660,000	1,660,000	5,400	6,200	805	3,298,623	2,618,281	1,151,602	0.0012	0.0014	0.0002
14	MIDI	Midi Utama Indonesia Tbk	2,245,119	2,732,215	2,959,873	2,882,000	2,882,000	2,882,000	810	1,050	1,070	1,121,059	1,223,030	919,451	0.0007	0.0008	0.0008
15	MKNT	Mitra Komunikasi Nusantara Tbk	23,887	665,249	558,243	500,000	1,000,000	1,500,000	540	262	195	608	21,294	21,591	0.0110	0.0004	0.0005
16	MPPA	Matahari Putra Prima	3,333,880	3,876,194	2,887,516	5,378,000	5,378,000	5,378,000	1,480	452	152	938,122	376,694	771,786	0.0019	0.0006	0.0002
17	RALS	Ramayana Lestari Sentosa Tbk	1,008,981	1,048,640	1,093,095	7,096,000	7,096,000	7,096,000	1,195	1,200	1,420	300,629	348,937	322,487	0.0065	0.0061	0.0071
18	RANC	Supra Boga Lestari Tbk	254,396	302,214	348,667	1,564,000	1,564,000	1,564,000	530	330	314	35,724	41,204	51,293	0.0029	0.0015	0.0012
19	RIMO	Rimo International Lestari Tbk	52,840	570,130	1,071,128	340,000	4,093,600	4,093,600	190	158	140	49,787	209,700	14,192	0.0006	0.0008	0.0005
20	SONA	Sona Topas Tourism Industry Tbk	288,874	372,598	389,767	331,000	331,000	331,000	2,520	2,300	5,700	157,711	131,955	98,944	0.0019	0.0015	0.0039
21	TELE	Tiphone Mobile Indonesia Tbk	1,247,690	2,068,709	1,466,633	7,120,000	7,120,000	7,120,000	855	1,000	940	3,762,428	3,137,712	2,983,815	0.0012	0.0014	0.0015
22	TRIO	Trikonsel Oke Tbk	4,204,061	670,487	829,312	4,762,000	26,007,000	26,007,000	2,000	2,000	236	3,035,281	3,163,944	2,949,313	0.0013	0.0136	0.0016

Lampiran 5

Rasio Earning Before Tax to Current Liabilities
Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018

No	Kode	Nama Perusahaan	Current Liabilities			Earning Before Tax			EBTCL		
			2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	388,653	478,209	631,055	863,128	959,980	1,202,709	2.2208	2.0074	1.9059
2	AMRT	Sumber Alfaria Trijaya Tbk	11,420,080	13,055,903	11,126,956	747,546	381,342	867,131	0.0655	0.0292	0.0779
3	CENT	Centratama Telekomunikasi Indonesia Tbk	149,006	737,171	778,970	-31,576	-113,484	21,571	-0.2119	-0.1539	0.0277
4	CSAP	Catur Sentosa Adiprana Tbk	2,492,613	3,159,792	3,302,706	100,879	115,130	131,939	0.0405	0.0364	0.0399
5	DAYA	Duta Intidaya Tbk	83,890	121,113	238,169	-23,586	-3,726	2,449	-0.2812	-0.0308	0.0103
6	ECII	Electronic City Indonesia Tbk	121,583	141,923	150,800	-33,741	-11,806	19,582	-0.2775	-0.0832	0.1299
7	ERAA	Erajaya Swasembada Tbk	3,935,217	5,048,800	7,740,592	383,537	479,656	1,203,141	0.0975	0.0950	0.1554
8	GLOB	Global Teleshop Tbk	257,404	247,283	258,421	-120,038	-12,605	-21,051	-0.4663	-0.0510	-0.0815
9	GOLD	Golden Retailindo Tbk	65,647	71,632	48,022	-6,347	-232	-7,159	-0.0967	-0.0032	-0.1491
10	HERO	Hero Supermarket Tbk	1,970,941	2,001,461	2,167,159	184,449	-251,647	-1,252,995	0.0936	-0.1257	-0.5782
11	KOIN	Kokoh Inti Arebama Tbk	562,686	609,522	734,504	130	-7,245	-8,325	0.0002	-0.0119	-0.0113
12	LPPF	Matahari Departement Store Tbk	2,588,354	2,610,824	2,739,811	2,532,666	2,396,300	1,575,321	0.9785	0.9178	0.5750
13	MAPI	Mitra Adi Perkasa Tbk	4,181,304	4,564,695	4,629,725	401,490	597,451	1,173,417	0.0960	0.1309	0.2535
14	MIDI	Midi Utama Indonesia Tbk	2,245,119	2,732,215	2,959,873	254,376	129,235	207,694	0.1133	0.0473	0.0702
15	MKNT	Mitra Komunikasi Nusantara Tbk	23,887	665,249	558,243	3,414	51,456	9,823	0.1429	0.0773	0.0176
16	MPPA	Matahari Putra Prima	3,333,880	3,876,194	2,887,516	101,112	-1,669,614	-1,070,666	0.0303	-0.4307	-0.3708
17	RALS	Ramayana Lestari Sentosa Tbk	1,008,981	1,048,640	1,093,095	465,065	466,592	717,172	0.4609	0.4449	0.6561
18	RANC	Supra Boga Lestari Tbk	254,396	302,214	348,667	49,708	47,110	59,877	0.1954	0.1559	0.1717
19	RIMO	Rimo International Lestari Tbk	52,840	570,130	1,071,128	-3,229	61,932	117,343	-0.0611	0.1086	0.1096
20	SONA	Sona Topas Tourism Industry Tbk	288,874	372,598	389,767	-5,503	69,184	162,898	-0.0190	0.1857	0.4179
21	TELE	Tiphone Mobile Indonesia Tbk	1,247,690	2,068,709	1,466,633	634,448	561,256	610,241	0.5085	0.2713	0.4161
22	TRIO	Trikomsel Oke Tbk	4,204,061	670,487	829,312	-434,721	-124,816	-12,273	-0.1034	-0.1862	-0.0148

Rasio Sales to Total Assets**Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018**

No	Kode	Nama Perusahaan	Total Assets			Sales			SATA		
			2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	3,731,102	4,428,841	5,321,181	4,935,903	5,938,576	7,124,231	1.3229	1.3409	1.3388
2	AMRT	Sumber Alfaria Trijaya Tbk	19,474,367	21,901,740	22,165,968	56,107,056	61,464,903	66,817,305	2.8811	2.8064	3.0144
3	CENT	Centratama Telekomunikasi Indonesia Tbk	1,314,930	4,494,835	5,207,342	140,668	707,974	801,161	0.1070	0.1575	0.1539
4	CSAP	Catur Sentosa Adiprana Tbk	4,240,820	51,318,259	5,785,288	7,764,889	9,639,479	10,408,154	1.8310	0.1878	1.7991
5	DAYA	Duta Intidaya Tbk	199,332	275,709	411,861	237,500	363,683	547,325	1.1915	1.3191	1.3289
6	ECII	Electronic City Indonesia Tbk	1,881,646	1,899,931	1,938,182	1,659,850	1,818,471	3,003,209	0.8821	0.9571	1.5495
7	ERAA	Erajaya Swasembada Tbk	7,424,604	8,873,956	12,682,903	20,547,128	24,229,915	34,744,177	2.7674	2.7305	2.7394
8	GLOB	Global Teleshop Tbk	74,599	60,812	37,180	562,960	621,534	514,434	7.5465	10.2206	13.8363
9	GOLD	Golden Retailindo Tbk	186,982	233,252	239,216	9,650	26,775	34,614	0.0516	0.1148	0.1447
10	HERO	Hero Supermarket Tbk	7,487,033	7,363,144	6,271,858	13,677,931	13,033,638	12,970,389	1.8269	1.7701	2.0680
11	KOIN	Kokoh Inti Arebama Tbk	708,069	743,789	855,573	1,448,167	1,605,318	1,750,649	2.0452	2.1583	2.0462
12	LPPF	Matahari Departement Store Tbk	4,858,878	5,427,426	5,036,396	9,897,046	10,023,961	10,245,173	2.0369	1.8469	2.0342
13	MAPI	Mitra Adi Perkasa Tbk	10,683,438	11,425,390	11,600,011	14,149,615	16,305,733	18,921,123	1.3244	1.4271	1.6311
14	MIDI	Midi Utama Indonesia Tbk	4,261,283	4,757,725	4,960,145	8,493,119	9,767,592	10,701,575	1.9931	2.0530	2.1575
15	MKNT	Mitra Komunikasi Nusantara Tbk	157,849	968,128	855,097	270,903	6,334,114	4,748,404	1.7162	6.5426	5.5531
16	MPPA	Matahari Putra Prima	6,701,734	5,427,059	4,808,545	13,527,323	12,562,780	10,692,363	2.0185	2.3148	2.2236
17	RALS	Ramayana Lestari Sentosa Tbk	4,647,009	4,891,922	5,243,047	8,234,644	8,145,857	8,538,734	1.7720	1.6652	1.6286
18	RANC	Supra Boga Lestari Tbk	721,238	804,020	904,004	2,063,982	2,189,574	2,355,625	2.8617	2.7233	2.6058
19	RIMO	Rimo International Lestari Tbk	34,722	5,931,495	6,514,551	46,841	283,486	509,525	1.3490	0.0478	0.0782
20	SONA	Sona Topas Tourism Industry Tbk	1,031,213	1,141,551	1,250,810	1,429,795	1,582,767	1,780,329	1.3865	1.3865	1.4233
21	TELE	Tiphone Mobile Indonesia Tbk	8,215,481	8,749,797	8,339,085	27,310,057	27,914,330	29,343,068	3.3242	3.1903	3.5187
22	TRIO	Trikomsel Oke Tbk	430,032	266,120	193,663	1,717,579	2,028,660	1,671,866	3.9941	7.6231	8.6329

Rasio Net Income to Total Assets
Perusahaan Ritel Yang Terdaftar Di BEI
Tahun 2016 - 2018

No	Kode	Nama Perusahaan	Total Assets			Net Income			ROA		
			2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	3,731,102	4,428,841	5,321,181	706,150	780,687	976,273	0.1893	0.1594	0.1835
2	AMRT	Sumber Alfaria Trijaya Tbk	19,474,367	21,901,740	22,165,968	553,835	257,735	668,426	0.0284	0.0253	0.0302
3	CENT	Centratama Telekomunikasi Indonesia Tbk	1,314,930	4,494,835	5,207,342	-29,811	-119,047	35,637	-0.0227	-0.0066	0.0068
4	CSAP	Catur Sentosa Adiprana Tbk	4,240,820	51,318,259	5,785,288	74,637	89,022	89,610	0.0176	0.0015	0.0155
5	DAYA	Duta Intidaya Tbk	199,332	275,709	411,861	-24,130	-3,981	5,199	-0.1211	-0.0875	0.0126
6	ECII	Electronic City Indonesia Tbk	1,881,646	1,899,931	1,938,182	-32,270	-9,802	21,826	-0.0171	-0.0170	0.0113
7	ERAA	Erajaya Swasembada Tbk	7,424,604	8,873,956	12,682,903	261,721	347,150	889,341	0.0353	0.0295	0.0701
8	GLOB	Global Teleshop Tbk	74,599	60,812	37,180	-118,146	-14,670	-21,385	-1.5837	-0.2412	-0.5752
9	GOLD	Golden Retailindo Tbk	186,982	233,252	239,216	-1,298	-1,057	-8,082	-0.0069	-0.0045	-0.0338
10	HERO	Hero Supermarket Tbk	7,487,033	7,363,144	6,271,858	120,588	-191,406	-1,250,189	0.0161	-0.0260	-0.1993
11	KOIN	Kokoh Inti Arebama Tbk	708,069	743,789	855,573	-670	-14,598	-9,993	-0.0009	-0.0196	-0.0117
12	LPPF	Matahari Departement Store Tbk	4,858,878	5,427,426	5,036,396	2,019,705	1,907,077	1,097,332	0.4157	0.3514	0.2179
13	MAPI	Mitra Adi Perkasa Tbk	10,683,438	11,425,390	11,600,011	208,476	350,081	813,916	0.0195	0.0306	0.0702
14	MIDI	Midi Utama Indonesia Tbk	4,261,283	4,757,725	4,960,145	196,043	123,249	197,098	0.0460	0.0259	0.0397
15	MKNT	Mitra Komunikasi Nusantara Tbk	157,849	968,128	855,097	2,298	37,920	-1,426	0.0146	0.0392	-0.0017
16	MPPA	Matahari Putra Prima	6,701,734	5,427,059	4,808,545	38,483	-1,243,414	-898,272	0.0057	-0.2291	-0.1868
17	RALS	Ramayana Lestari Sentosa Tbk	4,647,009	4,891,922	5,243,047	408,479	406,580	587,105	0.0879	0.0831	0.1120
18	RANC	Supra Boga Lestari Tbk	721,238	804,020	904,004	39,554	37,686	49,967	0.0548	0.0469	0.0553
19	RIMO	Rimo International Lestari Tbk	34,722	5,931,495	6,514,551	-3,147	61,464	116,416	-0.0906	0.0104	0.0179
20	SONA	Sona Topas Tourism Industry Tbk	1,031,213	1,141,551	1,250,810	-14,580	54,071	123,472	-0.0141	0.0474	0.0987
21	TELE	Tiphone Mobile Indonesia Tbk	8,215,481	8,749,797	8,339,085	468,878	418,162	444,339	0.0571	0.0478	0.0533
22	TRIO	Trikomsel Oke Tbk	430,032	266,120	193,663	-504,992	-189,940	-17,089	-1.1743	-0.7137	-0.0882

ANALISIS MODEL *ALTMAN (Z-SCORE)*

Perusahaan Ritel Yang Terdaftar Di BEI

Tahun 2016 - 2018

No	Kode	Nama Perusahaan	Z-Score			Result		
			2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	8.13	7.99	8.10	Safe Zone	Safe Zone	Safe Zone
2	AMRT	Sumber Alfaria Trijaya Tbk	0.48	0.28	1.39	Distress Zone	Distress Zone	Grey Zone
3	CENT	Centratama Telekomunikasi Indonesia Tbk	-0.10	-0.17	0.30	Distress Zone	Distress Zone	Distress Zone
4	CSAP	Catur Sentosa Adiprana Tbk	1.68	0.13	1.55	Grey Zone	Distress Zone	Grey Zone
5	DAYA	Duta Intidaya Tbk	-1.28	-0.15	-0.26	Distress Zone	Distress Zone	Distress Zone
6	ECII	Electronic City Indonesia Tbk	4.55	4.67	4.58	Safe Zone	Safe Zone	Safe Zone
7	ERAA	Erajaya Swasembada Tbk	2.22	2.30	2.65	Grey Zone	Grey Zone	Safe Zone
8	GLOB	Global Teleshop Tbk	-66.42	-77.94	-128.91	Distress Zone	Distress Zone	Distress Zone
9	GOLD	Golden Retailindo Tbk	-0.71	-0.89	-0.01	Distress Zone	Distress Zone	Distress Zone
10	HERO	Hero Supermarket Tbk	1.89	1.14	-0.12	Grey Zone	Grey Zone	Distress Zone
11	KOIN	Kokoh Inti Arebama Tbk	0.93	0.78	0.47	Distress Zone	Distress Zone	Distress Zone
12	LPPF	Matahari Departement Store Tbk	7.42	6.70	5.92	Safe Zone	Safe Zone	Safe Zone
13	MAPI	Mitra Adi Perkasa Tbk	2.64	2.56	2.93	Safe Zone	Grey Zone	Safe Zone
14	MIDI	Midi Utama Indonesia Tbk	0.25	-0.65	-0.30	Distress Zone	Distress Zone	Distress Zone
15	MKNT	Mitra Komunikasi Nusantara Tbk	5.59	1.82	1.74	Safe Zone	Grey Zone	Grey Zone
16	MPPA	Matahari Putra Prima	1.61	-3.53	-2.34	Grey Zone	Distress Zone	Distress Zone
17	RALS	Ramayana Lestari Sentosa Tbk	5.39	5.54	6.19	Safe Zone	Safe Zone	Safe Zone
18	RANC	Supra Boga Lestari Tbk	2.53	2.61	2.68	Grey Zone	Safe Zone	Safe Zone
19	RIMO	Rimo International Lestari Tbk	-27.09	0.30	-1.18	Distress Zone	Distress Zone	Distress Zone
20	SONA	Sona Topas Tourism Industry Tbk	3.91	4.38	5.66	Safe Zone	Safe Zone	Safe Zone
21	TELE	Tiphone Mobile Indonesia Tbk	6.40	5.94	6.51	Safe Zone	Safe Zone	Safe Zone
22	TRIO	Trikonsel Oke Tbk	-123.53	-108.86	-156.30	Distress Zone	Distress Zone	Distress Zone

<i>Distress Zone</i>	9	4	10
<i>Grey Zone</i>	5	11	3
<i>Safe Zone</i>	8	7	9
Total	22	22	22

ANALISIS MODEL *SPRINGATE (S-SCORE)*

Perusahaan Ritel Yang Terdaftar Di BEI

Tahun 2016 - 2018

No	Kode	Nama Perusahaan	S-Score			Result		
			2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	3.39	3.20	3.17	Safe Zone	Safe Zone	Safe Zone
2	AMRT	Sumber Alfaria Trijaya Tbk	1.33	1.22	1.53	Safe Zone	Safe Zone	Safe Zone
3	CENT	Centratama Telekomunikasi Indonesia T	-0.09	-0.05	0.22	Distress Zone	Distress Zone	Distress Zone
4	CSAP	Catur Sentosa Adiprana Tbk	1.06	0.12	1.03	Safe Zone	Distress Zone	Safe Zone
5	DAYA	Duta Intidaya Tbk	0.21	0.72	0.68	Distress Zone	Distress Zone	Distress Zone
6	ECII	Electronic City Indonesia Tbk	0.73	0.94	1.33	Distress Zone	Safe Zone	Safe Zone
7	ERAA	Erajaya Swasembada Tbk	1.56	1.55	1.76	Safe Zone	Safe Zone	Safe Zone
8	GLOB	Global Teleshop Tbk	-3.89	-2.13	-3.30	Distress Zone	Distress Zone	Distress Zone
9	GOLD	Golden Retailindo Tbk	-0.29	-0.13	-0.01	Distress Zone	Distress Zone	Distress Zone
10	HERO	Hero Supermarket Tbk	0.98	0.60	-0.04	Safe Zone	Distress Zone	Distress Zone
11	KOIN	Kokoh Inti Arebama Tbk	0.95	0.95	0.86	Safe Zone	Safe Zone	Safe Zone
12	LPPF	Matahari Departement Store Tbk	3.14	2.76	2.21	Safe Zone	Safe Zone	Safe Zone
13	MAPI	Mitra Adi Perkasa Tbk	1.08	1.16	1.42	Safe Zone	Safe Zone	Safe Zone
14	MIDI	Midi Utama Indonesia Tbk	1.05	0.74	0.87	Safe Zone	Distress Zone	Safe Zone
15	MKNT	Mitra Komunikasi Nusantara Tbk	1.67	3.04	2.51	Safe Zone	Safe Zone	Safe Zone
16	MPPA	Matahari Putra Prima	1.03	-0.50	-0.04	Safe Zone	Distress Zone	Distress Zone
17	RALS	Ramayana Lestari Sentosa Tbk	1.66	1.63	1.92	Safe Zone	Safe Zone	Safe Zone
18	RANC	Supra Boga Lestari Tbk	1.70	1.60	1.58	Safe Zone	Safe Zone	Safe Zone
19	RIMO	Rimo International Lestari Tbk	-1.34	0.27	0.04	Distress Zone	Distress Zone	Distress Zone
20	SONA	Sona Topas Tourism Industry Tbk	0.97	1.35	1.83	Safe Zone	Safe Zone	Safe Zone
21	TELE	Tiphone Mobile Indonesia Tbk	2.82	2.52	2.81	Safe Zone	Safe Zone	Safe Zone
22	TRIO	Trikonsel Oke Tbk	-10.59	0.13	-1.11	Distress Zone	Distress Zone	Distress Zone

<i>Distress Zone</i>	7	10	7
<i>Grey Zone</i>	0	0	0
<i>Safe Zone</i>	15	12	15
Total	22	22	22

ANALISIS MODEL *GROVER* (*G-SCORE*)

Perusahaan Ritel Yang Terdaftar Di BEI

Tahun 2016 - 2018

No	Kode	Nama Perusahaan	G-Score			Result		
			2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	1.93	1.87	1.91	Safe Zone	Safe Zone	Safe Zone
2	AMRT	Sumber Alfaria Trijaya Tbk	0.18	0.10	0.40	Safe Zone	Safe Zone	Safe Zone
3	CENT	Centratama Telekomunikasi Indonesia T	0.09	0.05	0.23	Safe Zone	Safe Zone	Safe Zone
4	CSAP	Catur Sentosa Adiprana Tbk	0.47	0.09	0.44	Safe Zone	Safe Zone	Safe Zone
5	DAYA	Duta Intidaya Tbk	0.10	0.42	0.27	Safe Zone	Safe Zone	Safe Zone
6	ECII	Electronic City Indonesia Tbk	0.99	1.04	1.04	Safe Zone	Safe Zone	Safe Zone
7	ERAA	Erajaya Swasembada Tbk	0.58	0.59	0.77	Safe Zone	Safe Zone	Safe Zone
8	GLOB	Global Teleshop Tbk	-8.71	-8.56	-12.89	Distress Zone	Distress Zone	Distress Zone
9	GOLD	Golden Retailindo Tbk	-0.29	-0.24	0.05	Distress Zone	Distress Zone	Safe Zone
10	HERO	Hero Supermarket Tbk	0.33	0.06	-0.41	Safe Zone	Safe Zone	Distress Zone
11	KOIN	Kokoh Inti Arebama Tbk	0.27	0.23	0.16	Safe Zone	Safe Zone	Safe Zone
12	LPPF	Matahari Departement Store Tbk	1.96	1.65	1.21	Safe Zone	Safe Zone	Safe Zone
13	MAPI	Mitra Adi Perkasa Tbk	0.72	0.71	0.81	Safe Zone	Safe Zone	Safe Zone
14	MIDI	Midi Utama Indonesia Tbk	0.19	-0.16	-0.06	Safe Zone	Distress Zone	Distress Zone
15	MKNT	Mitra Komunikasi Nusantara Tbk	1.45	0.58	0.49	Safe Zone	Safe Zone	Safe Zone
16	MPPA	Matahari Putra Prima	0.34	-1.34	-0.74	Safe Zone	Distress Zone	Distress Zone
17	RALS	Ramayana Lestari Sentosa Tbk	0.97	1.01	1.22	Safe Zone	Safe Zone	Safe Zone
18	RANC	Supra Boga Lestari Tbk	0.64	0.63	0.64	Safe Zone	Safe Zone	Safe Zone
19	RIMO	Rimo International Lestari Tbk	-2.74	0.32	-0.07	Distress Zone	Safe Zone	Distress Zone
20	SONA	Sona Topas Tourism Industry Tbk	0.75	1.01	1.39	Safe Zone	Safe Zone	Safe Zone
21	TELE	Tiphone Mobile Indonesia Tbk	1.73	1.58	1.68	Safe Zone	Safe Zone	Safe Zone
22	TRIO	Trikomsel Oke Tbk	-18.06	-3.96	-6.83	Distress Zone	Distress Zone	Distress Zone

<i>Distress Zone</i>	4	5	5
<i>Grey Zone</i>	0	0	0
<i>Safe Zone</i>	18	17	17
Total	22	22	22

PERUSAHAAN SAMPEL
SEKTOR RETAIL
Rekap Hasil Analisis *Financial Distress*
Dalam Jutaan Rupiah

No	Kode	Nama Perusahaan	Result Z-Score			Result S-Score			Result G-Score		
			2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
2	AMRT	Sumber Alfaria Trijaya Tbk	Distress Zone	Distress Zone	Grey Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
3	CENT	Centratama Telekomunikasi Indonesia Tbk	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Safe Zone	Safe Zone	Safe Zone
4	CSAP	Catur Sentosa Adiprana Tbk	Grey Zone	Distress Zone	Grey Zone	Safe Zone	Distress Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
5	DAYA	Duta Intidaya Tbk	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Safe Zone	Safe Zone	Safe Zone
6	ECII	Electronic City Indonesia Tbk	Safe Zone	Safe Zone	Safe Zone	Distress Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
7	ERAA	Erajaya Swasembada Tbk	Grey Zone	Grey Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
8	GLOB	Global Teleshop Tbk	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone
9	GOLD	Golden Retailindo Tbk	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Safe Zone
10	HERO	Hero Supermarket Tbk	Grey Zone	Grey Zone	Distress Zone	Safe Zone	Distress Zone	Distress Zone	Safe Zone	Safe Zone	Distress Zone
11	KOIN	Kokoh Inti Arebama Tbk	Distress Zone	Distress Zone	Distress Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
12	LPPF	Matahari Departement Store Tbk	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
13	MAPI	Mitra Adi Perkasa Tbk	Safe Zone	Grey Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
14	MIDI	Midi Utama Indonesia Tbk	Distress Zone	Distress Zone	Distress Zone	Safe Zone	Distress Zone	Safe Zone	Safe Zone	Distress Zone	Distress Zone
15	MKNT	Mitra Komunikasi Nusantara Tbk	Safe Zone	Grey Zone	Grey Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
16	MPPA	Matahari Putra Prima	Grey Zone	Distress Zone	Distress Zone	Safe Zone	Distress Zone	Distress Zone	Safe Zone	Distress Zone	Distress Zone
17	RALS	Ramayana Lestari Sentosa Tbk	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
18	RANC	Supra Boga Lestari Tbk	Grey Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
19	RIMO	Rimo International Lestari Tbk	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Safe Zone	Distress Zone
20	SONA	Sona Topas Tourism Industry Tbk	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
21	TELE	Tiphone Mobile Indonesia Tbk	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone	Safe Zone
22	TRIO	Trikonsel Oke Tbk	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone	Distress Zone

PERHITUNGAN AKURASI DAN KESALAHAN MODEL Z-SCORE

No	Kode	Nama Perusahaan	EBITDA			Kategori			Result Z-Score			Persentase		
			2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	880,590	968,358	1,229,001	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
2	AMRT	Sumber Alfaria Trijaya Tbk	1,272,180	1,036,957	1,403,360	Non Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Grey Zone	-	-	0.5
3	CENT	Centratama Telekomunikasi Indonesia Tbk	-20,229	-20,017	179,839	Distress	Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	-
4	CSAP	Catur Sentosa Adiprana Tbk	200,103	223,667	264,150	Non Distress	Non Distress	Non Distress	Grey Zone	Distress Zone	Grey Zone	-	-	-
5	DAYA	Duta Intidaya Tbk	-23,587	-3,726	2,448	Distress	Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	-
6	ECII	Electronic City Indonesia Tbk	-33,742	-11,807	19,582	Distress	Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	-	-	1.0
7	ERAA	Erajaya Swasembada Tbk	533,549	600,050	1,527,492	Non Distress	Non Distress	Non Distress	Grey Zone	Grey Zone	Safe Zone	0.5	0.5	1.0
8	GLOB	Global Teleshop Tbk	-87,813	-50,444	-27,019	Distress	Distress	Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	1.0
9	GOLD	Golden Retailindo Tbk	-6,278	2,659	7,713	Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	-	-
10	HERO	Hero Supermarket Tbk	184,449	-251,647	-1,252,995	Non Distress	Distress	Distress	Grey Zone	Grey Zone	Distress Zone	0.5	0.5	1.0
11	KOIN	Kokoh Inti Arebama Tbk	130	-7,245	-8,325	Non Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	-	-	-
12	LPPF	Matahari Departement Store Tbk	2,533,911	2,376,663	1,583,791	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
13	MAPI	Mitra Adi Perkasa Tbk	887,922	1,120,501	1,505,513	Non Distress	Non Distress	Non Distress	Safe Zone	Grey Zone	Safe Zone	1.0	0.5	1.0
14	MIDI	Midi Utama Indonesia Tbk	421,910	129,235	207,694	Non Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	-	-	-
15	MKNT	Mitra Komunikasi Nusantara Tbk	3,414	51,456	9,823	Non Distress	Non Distress	Non Distress	Safe Zone	Grey Zone	Grey Zone	1.0	0.5	0.5
16	MPPA	Matahari Putra Prima	177,037	-1,559,162	-929,388	Non Distress	Distress	Distress	Grey Zone	Distress Zone	Distress Zone	0.5	1.0	1.0
17	RALS	Ramayana Lestari Sentosa Tbk	368,154	376,784	606,948	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
18	RANC	Supra Boga Lestari Tbk	49,708	47,110	59,877	Non Distress	Non Distress	Non Distress	Grey Zone	Safe Zone	Safe Zone	0.5	1.0	1.0
19	RIMO	Rimo International Lestari Tbk	-3,229	61,932	117,343	Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	-	-
20	SONA	Sona Topas Tourism Industry Tbk	-1,426	98,542	197,087	Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	-	1.0	1.0
21	TELE	Tiphone Mobile Indonesia Tbk	1,014,371	1,031,398	1,000,943	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
22	TRIO	Trikonsel Oke Tbk	-364,597	-75,928	-51,868	Distress	Distress	Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	1.0

Tingkat Akurasi	63.64%	59.09%	63.64%	62.12%
Tingkat Kesalahan	36.36%	40.91%	36.36%	37.88%

PERHITUNGAN AKURASI DAN KESALAHAN MODEL S-SCORE

No	Kode	Nama Perusahaan	EBITDA			Kategori			Result S-Score			Persentase		
			2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
1	ACES	Ace Hardware Indonesia Tbk	880,590	968,358	1,229,001	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
2	AMRT	Sumber Alfaria Trijaya Tbk	1,272,180	1,036,957	1,403,360	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
3	CENT	Centratama Telekomunikasi Indonesia Tbk	-20,229	-20,017	179,839	Distress	Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	-
4	CSAP	Catur Sentosa Adiprana Tbk	200,103	223,667	264,150	Non Distress	Non Distress	Non Distress	Safe Zone	Distress Zone	Safe Zone	1.0	1.0	1.0
5	DAYA	Duta Intidaya Tbk	-23,587	-3,726	2,448	Distress	Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	-
6	ECII	Electronic City Indonesia Tbk	-33,742	-11,807	19,582	Distress	Distress	Non Distress	Distress Zone	Safe Zone	Safe Zone	1.0	-	1.0
7	ERAA	Erajaya Swasembada Tbk	533,549	600,050	1,527,492	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
8	GLOB	Global Teleshop Tbk	-87,813	-50,444	-27,019	Distress	Distress	Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	1.0
9	GOLD	Golden Retailindo Tbk	-6,278	2,659	7,713	Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	-	-
10	HERO	Hero Supermarket Tbk	184,449	-251,647	-1,252,995	Non Distress	Distress	Distress	Safe Zone	Distress Zone	Distress Zone	1.0	1.0	1.0
11	KOIN	Kokoh Inti Arebama Tbk	130	-7,245	-8,325	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
12	LPPF	Matahari Departement Store Tbk	2,533,911	2,376,663	1,583,791	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
13	MAPI	Mitra Adi Perkasa Tbk	887,922	1,120,501	1,505,513	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
14	MIDI	Midi Utama Indonesia Tbk	421,910	129,235	207,694	Non Distress	Non Distress	Non Distress	Safe Zone	Distress Zone	Safe Zone	1.0	-	1.0
15	MKNT	Mitra Komunikasi Nusantara Tbk	3,414	51,456	9,823	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
16	MPPA	Matahari Putra Prima	177,037	-1,559,162	-929,388	Non Distress	Distress	Distress	Safe Zone	Distress Zone	Distress Zone	1.0	1.0	1.0
17	RALS	Ramayana Lestari Sentosa Tbk	368,154	376,784	606,948	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
18	RANC	Supra Boga Lestari Tbk	49,708	47,110	59,877	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
19	RIMO	Rimo International Lestari Tbk	-3,229	61,932	117,343	Distress	Non Distress	Non Distress	Distress Zone	Distress Zone	Distress Zone	1.0	-	-
20	SONA	Sona Topas Tourism Industry Tbk	-1,426	98,542	197,087	Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	-	1.0	1.0
21	TELE	Tiphone Mobile Indonesia Tbk	1,014,371	1,031,398	1,000,943	Non Distress	Non Distress	Non Distress	Safe Zone	Safe Zone	Safe Zone	1.0	1.0	1.0
22	TRIO	Trikomsel Oke Tbk	-364,597	-75,928	-51,868	Distress	Distress	Distress	Distress Zone	Distress Zone	Distress Zone	1.0	1.0	1.0

Tingkat Akurasi	95.45%	81.82%	81.82%	86.36%
Tingkat Kesalahan	4.55%	18.18%	18.18%	13.64%

HASIL PERBANDINGAN KONDISI PERUSAHAAN PADA KUANTAL I TAHUN 2019

No	Nama Perusahaan	RESULT AKURASI 2018			EBITDA Q1 2019	RESULT 2019	HASIL PERBANDINGAN		
		ALTMAN	SPRINGATE	GROVER			ALTMAN	SPRINGATE	GROVER
1	Ace Hardware Indonesia Tbk	Safe Zone	Safe Zone	Safe Zone	300,917	Non Distress	1	1	1
2	Sumber Alfaria Trijaya Tbk	Grey Zone	Safe Zone	Safe Zone	347,084	Non Distress	0.5	1	1
3	Centratama Telekomunikasi Indonesia Tbk	Distress Zone	Distress Zone	Safe Zone	68,111	Non Distress	0	0	1
4	Catur Sentosa Adiprana Tbk	Grey Zone	Safe Zone	Safe Zone	67,494	Non Distress	0.5	1	1
5	Duta Intidaya Tbk	Distress Zone	Distress Zone	Safe Zone	-4,325	Distress	1	1	0
6	Electronic City Indonesia Tbk	Safe Zone	Safe Zone	Safe Zone	-7,952,604	Distress	0	0	0
7	Erajaya Swasembada Tbk	Safe Zone	Safe Zone	Safe Zone	174,065	Non Distress	1	1	1
8	Global Teleshop Tbk	Distress Zone	Distress Zone	Distress Zone	-166,778	Distress	1	1	1
9	Golden Retailindo Tbk	Distress Zone	Distress Zone	Safe Zone	3,273,538	Non Distress	0	0	1
10	Hero Supermarket Tbk	Distress Zone	Distress Zone	Distress Zone	-84,598	Distress	1	1	1
11	Kokoh Inti Arebama Tbk	Distress Zone	Safe Zone	Safe Zone	2,479,472	Non Distress	0	1	1
12	Matahari Departement Store Tbk	Safe Zone	Safe Zone	Safe Zone	184,015	Non Distress	1	1	1
13	Mitra Adi Perkasa Tbk	Safe Zone	Safe Zone	Safe Zone	286,874	Non Distress	1	1	1
14	Midi Utama Indonesia Tbk	Distress Zone	Safe Zone	Distress Zone	83,412	Non Distress	0	1	0
15	Mitra Komunikasi Nusantara Tbk	Grey Zone	Safe Zone	Safe Zone	-17,919,430	Distress	0.5	0	0
16	Matahari Putra Prima	Distress Zone	Distress Zone	Distress Zone	-88,383	Distress	1	1	1
17	Ramayana Lestari Sentosa Tbk	Safe Zone	Safe Zone	Safe Zone	42,364	Non Distress	1	1	1
18	Supra Boga Lestari Tbk	Safe Zone	Safe Zone	Safe Zone	2,981,386	Non Distress	1	1	1
19	Rimo International Lestari Tbk	Distress Zone	Distress Zone	Distress Zone	9,527,154	Non Distress	0	0	0
20	Sona Topas Tourism Industry Tbk	Safe Zone	Safe Zone	Safe Zone	26,396,883	Non Distress	1	1	1
21	Tiphone Mobile Indonesia Tbk	Safe Zone	Safe Zone	Safe Zone	173,871	Non Distress	1	1	1
22	Trikomsel Oke Tbk	Distress Zone	Distress Zone	Distress Zone	-3,124,234	Distress	1	1	1
							14.5	17	17
Tingkat akurasi							65.91%	77.27%	77.27%
Tingkat kesalahan							34.09%	22.73%	22.73%

SURAT PERNYATAAN RISET

Yang bertanda tangan dibawah ini :

Nama : Imam Zulkarnain

NPM : 1114600391

Jurusan : S-1 Akuntansi

Dengan ini menyatakan bahwa saya telah menyelesaikan penyusunan skripsi yang berjudul “**Analisis Perbandingan *Financial Distress* Dengan Model *Altman*, *Springate* dan *Grover* Pada Perusahaan *Retail* Yang Terdaftar Di Bursa Efek Indonesia (BEI) Periode 2016-2018**” dengan mengunduh data pada situs Bursa Efek Indonesia untuk pemenuhan data yang dilakukan sesuai hasil penelitian dengan menggunakan metode analisis kebangkrutan *Altman Z-Score*, *Springate* dan *Grover*. Situs atau *website* yang digunakan peneliti untuk mengakses data laporan keuangan dan laporan tahunan perusahaan *Retail* adalah www.idx.co.id.

Demikian surat keterangan ini saya buat dengan sebenarnya dan sebagaimana mestinya.

Jakarta, 03 Maret 2020

Dosen Pembimbing

Mahasiswa

Erna Lovita, SE., M.Si., Ak., CA., CSRS, CSRA

Imam Zulkarnain

DAFTAR RIWAYAT HIDUP PENELITI

Data Pribadi

Nama : Imam Zulkarnain
NPM : 1114600391
Tempat dan Tanggal Lahir : Jakarta, 13 Januari 1995
Agama : Islam
Kewarganegaraan : Indonesia
Alamat : Jl. DI Panjaitan Gg. Remaja II rt 17 rw 03
No. 15 Kel. Cipinang Besar Utara, Kec.
Jatinegara – Jakarta 13410
Telepon : 0813 1029 4208
Email : imamzulkarnainn62@gmail.com

Pendidikan Formal

2001 – 2007 SD NEGERI CIPINANG BESAR UTARA 01 JAKARTA
2007 – 2010 SMP NEGERI 62 JAKARTA
2010 – 2013 SMA NEGERI 72 JAKARTA
2015 – 2019 Sekolah Tinggi Ilmu Ekonomi Indonesia (Akuntansi)

Pekerjaan

Online Digital Marketing

Alamat Kantor : PT. Sembilan Ohm Sembilan , Wisma Nugra Santana
Jalan Jendral Sudirman Kav. 7-8.