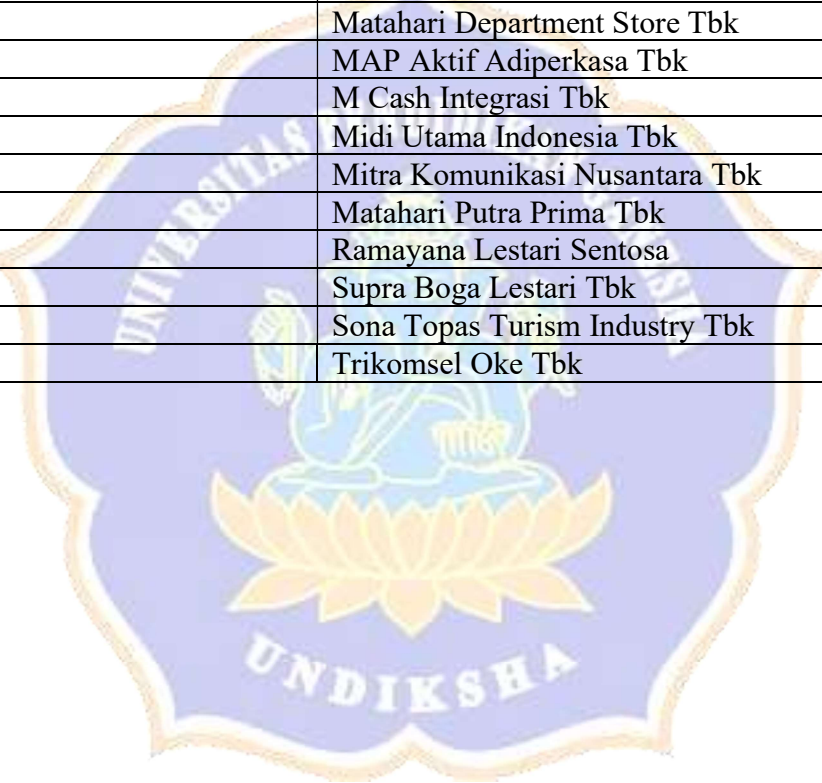


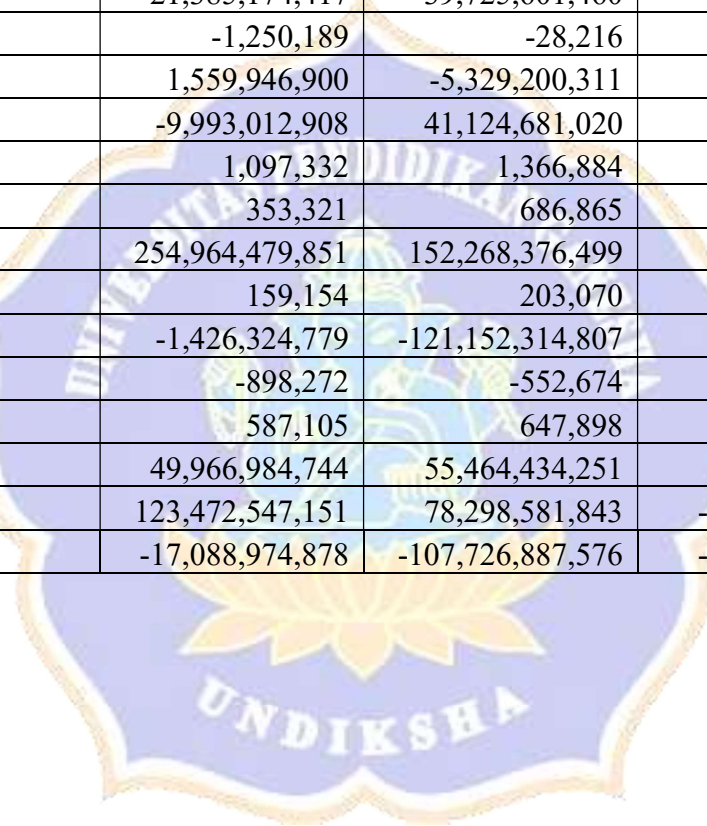
Lampiran 01. Data Sampel Perusahaan Sub Sektor Retail

Kode Perusahaan	Nama Perusahaan
ACES	Ace Hardware Tbk
CENT	Centratama Telekomunikasi Indonesia Tbk
CSAP	Catur Sentosa Adiprana Tbk
DAYA	Duta Intidaya Tbk
DIVA	Distribusi Voucer Nusantara Tbk
ECII	Electronic City Indonesia Tbk
ERAA	Erajaya Swasembada Tbk
GLOB	Global Teleshop Tbk
HERO	Hero Supermarket Tbk
KIOS	Kioson Komersial Indonesia Tbk
KOIN	Kokoh Inti Arebama Tbk
LPPF	Matahari Department Store Tbk
MAPA	MAP Aktif Adiperkasa Tbk
MCAS	M Cash Integrasi Tbk
MIDI	Midi Utama Indonesia Tbk
MKNT	Mitra Komunikasi Nusantara Tbk
MPPA	Matahari Putra Prima Tbk
RALS	Ramayana Lestari Sentosa
RANC	Supra Boga Lestari Tbk
SONA	Sona Topas Turism Industry Tbk
TRIO	Trikonsel Oke Tbk



Lampiran 02. Data Laba (Rugi) Sub Sektor Retail Tahun 2018-2020

Kode Perusahaan	2018	2019	2020
ACES	976,273,356,597	1,023,636,538,399	731,310,571,351
CENT	35,637	8,912	-509,181
CSAP	89,609,693	68,480,112	60,817,945
DAYA	5,199,245	18,539,711	-48,816,999
DIVA	12,342,543,472	98,389,349,094	64,367,755,965
ECII	9,325,792,298	33,448,525,976	-61,325,856,084
ERAA	889,340,783	325,583,191	671,172,137
GLOB	-21,385,174,417	-39,725,601,460	-50,608,122,770
HERO	-1,250,189	-28,216	-1,214,602
KIOS	1,559,946,900	-5,329,200,311	-41,857,334,776
KOIN	-9,993,012,908	41,124,681,020	-18,643,690,989
LPPF	1,097,332	1,366,884	-873,181
MAPA	353,321	686,865	4,338
MCAS	254,964,479,851	152,268,376,499	72,398,107,264
MIDI	159,154	203,070	200,273
MKNT	-1,426,324,779	-121,152,314,807	-63,440,559,860
MPPA	-898,272	-552,674	-405,307
RALS	587,105	647,898	-138,874
RANC	49,966,984,744	55,464,434,251	76,002,689,458
SONA	123,472,547,151	78,298,581,843	-131,555,433,792
TRIO	-17,088,974,878	-107,726,887,576	-276,596,537,437



Lampiran 03. Data Komponen Metode Altman Z-Score Modifikasi

Kode	Tahun	Total Aktiva	Labanya ditahan	Labanya Sebelum Bunga pajak	Total Ekuitas	Total Utang	NWC
ACES	2018	5,321,180,855,541	3,234,114,092,793	1,202,709,103,365	4,235,471,045,929	1,085,709,809,612	3,465,225,015,996
	2019	6,641,808,005,145	3,622,463,703,313	1,262,709,647,429	4,676,301,294,266	1,965,506,710,879	3,586,175,214,869
	2020	7,247,063,894,294	4,146,745,643,645	923,335,768,686	5,222,242,554,398	2,024,821,339,896	4,189,809,112,114
CENT	2018	5,207,342	-216,810	21,571	3,038,424	2,168,918	161,184
	2019	5,729,085	-207,898	58,948	3,014,892	2,714,193	29,046
	2020	7,629,153	-723,183	-422,836	2,471,739	5,157,414	-3,866,744
CSAP	2018	5,785,287,553	632,806,029	131,939,083	1,940,654,036	3,844,633,517	783,987,882
	2019	6,584,587,023	663,776,350	105,046,392	1,971,799,684	4,612,787,339	545,598,045
	2020	7,616,266,096	745,082,928	114,757,297	2,053,552,226	5,562,713,870	358,695,114
DAYA	2018	411,861,480	-137,242,378	2,448,671	163,402,776	248,458,704	49,036,301
	2019	730,497,952	-130,959,698	12,645,238	169,685,456	560,812,496	-90,265,842
	2020	708,530,092	-180,501,582	-45,983,478	120,143,572	588,386,520	-145,432,217
DIVA	2018	855,696,370,699	20,650,693,975	16,559,257,292	720,853,322,191	134,843,048,508	703,797,855,303
	2019	1,087,962,023,939	113,989,490,037	108,716,623,280	824,382,657,509	263,579,366,430	724,730,770,510
	2020	1,154,965,011,840	179,695,934	67,994,348,703	881,994,832,925	272,970,178,915	723,290,451,771
ECII	2018	1,751,622,687,179	40,502,957,287	7,082,402,298	1,346,547,315,838	405,075,371,341	399,484,903,028
	2019	1,845,324,374,750	72,363,471,689	31,921,633,688	1,379,995,841,814	465,328,532,936	432,092,826,593
	2020	1,730,596,456,562	51,001,987,460	-16,619,896,032	1,252,813,452,921	477,783,003,641	555,813,402,277
ERAA	2018	12,682,902,626	2,476,327,506	1,203,140,844	4,825,618,237	7,857,284,389	2,313,099,993
	2019	9,747,703,198	2,610,893,958	472,719,996	4,978,716,552	4,768,986,646	2,328,994,608
	2020	11,211,369,042	3,201,412,210	917,316,742	5,687,996,190	5,523,372,852	2,404,044,550
GLOB	2018	37,180,128,513	-941,563,386,010	-21,050,797,268	-705,312,279,375	742,492,407,888	-236,284,263,129

	2019	8,278,414,392	-981,500,329,458	-37,297,602,565	-744,972,205,788	753,250,620,180	-294,394,018,226
	2020	10,616,363,611	-1,031,813,832,594	-50,662,749,679	-795,562,867,745	806,179,231,356	-399,770,305,198
HERO	2018	6,271,858	702,246	-1,252,995	3,941,488	2,330,370	795,255
	2019	6,054,384	427,320	-43,124	3,666,562	2,387,822	155,338
	2020	4,838,417	-1,384,554	-1,027,133	1,854,688	2,983,729	-737,899
KIOS	2018	249,644,757,376	-9,814,396,744	3,379,070,964	109,308,361,574	140,336,395,802	83,834,807,617
	2019	274,525,987,806	-14,761,988,127	-4,151,644,141	104,395,724,608	170,130,263,198	81,482,397,804
	2020	187,967,965,333	-69,117,403,529	-40,881,001,140	49,731,765,485	138,236,199,848	154,474,590,477
KOIN	2018	855,572,807,455	-446,313,077	-8,325,461,068	103,079,629,940	752,493,177,515	68,538,993,663
	2019	652,346,214,673	-17,497,607,703	-15,480,984,182	86,028,335,270	566,317,879,403	38,713,242,363
	2020	675,863,759,206	23,067,574,612	52,764,018,688	126,596,486,024	549,267,273,182	77,289,625,818
LPPF	2018	5,036,396	5,208,079	1,575,321	1,815,828	3,220,568	274,597
	2019	4,832,910	5,255,184	1,763,009	1,746,627	3,086,283	150,942
	2020	6,319,074	3,741,255	-934,404	581,118	5,737,956	-1,246,087
MAPA	2018	3,645,143	1,190,395	585,772	2,335,306	1,309,837	1,688,831
	2019	4,108,278	1,883,572	951,265	3,055,276	1,053,002	2,253,032
	2020	5,382,042	1,849,269	-9,074	2,989,127	2,392,915	1,578,826
MCAS	2018	1,438,021,142,032	239,553,293,859	282,086,845,213	1,052,653,572,286	385,367,569,746	945,662,943,869
	2019	2,229,863,816,342	338,268,341,741	338,268,341,741	1,717,781,954,008	512,081,862,334	1,511,676,924,861
	2020	1,835,183,217,104	338,268,341,741	95,426,725,422	1,331,916,693,551	503,266,523,553	995,886,109,590
MIDI	2018	4,960,145	683,426	207,694	1,080,821	3,879,324	-785,347
	2019	4,990,309	837,640	278,023	1,220,999	3,769,310	-643,082
	2020	5,923,693	975,806	268,015	1,398,703	4,524,990	-1,190,099
MKNT	2018	855,096,628,586	25,957,469,453	9,823,131,713	275,262,375,336	579,834,253,250	203,051,895,245
	2019	741,824,867,681	-50,403,063,491	-114,292,275,998	112,481,683,458	629,343,184,223	538,130,950,880

	2020	500,766,702,549	-101,379,799,741	-55,495,245,361	42,923,837,677	457,842,864,872	355,460,123,436
	2018	4,808,545	-731,341	-1,070,666	1,149,243	3,659,302	-414,667
MPPA	2019	4,108,278	1,883,572	951,265	3,055,276	1,053,002	2,253,032
	2020	5,382,042	1,849,269	-9,074	2,989,127	2,392,915	1,578,826
	2018	5,243,047	3,659,800	717,172	3,827,465	1,415,582	2,464,393
RALS	2019	5,649,823	3,970,557	733,161	4,168,930	1,480,893	2,882,021
	2020	5,285,218	3,494,559	-181,445	3,718,744	1,566,474	2,275,196
	2018	904,003,739,438	223,488,211,893	59,877,255,323	504,044,024,441	399,959,714,997	195,511,482,607
RANC	2019	952,496,300,846	264,689,333,957	64,038,406,949	547,803,234,745	404,693,066,101	222,223,804,050
	2020	1,319,134,443,995	258,687,083,714	94,284,369,099	544,504,618,940	774,629,825,055	112,901,085,037
	2018	1,250,810,082,430	525,510,209,832	162,897,913,618	762,099,442,562	488,710,639,868	608,604,420,935
SONA	2019	1,110,366,038,014	595,427,466,633	104,353,775,869	833,087,509,370	277,278,528,644	692,410,648,701
	2020	853,905,287,718	465,003,629,780	-170,065,963,842	703,514,273,183	150,391,014,535	634,434,189,323
	2018	193,663,107,384	-7,774,975,211,443	-12,273,399,044	-3,584,961,320,713	3,778,624,428,097	-700,924,296,980
TRIO	2019	136,433,406,842	-7,886,004,649,825	-101,986,961,830	-3,700,080,905,847	3,836,514,312,689	-706,420,386,747
	2020	111,295,495,695	-8,154,236,091,000	-277,923,559,679	-3,972,774,885,814	4,084,070,381,509	-902,018,790,863



Lampiran 04. Data Komponen Metode Springate

Kode	Tahun	Sales	Aktiva Lancar	Hutang Lancar	Total Aktiva	Laba Sebelum Bunga pajak
ACES	2018	7,239,754,268,263	4,096,280,475,383	631,055,459,387	5,321,180,855,541	1,202,709,103,365
	2019	8,142,717,045,655	4,369,550,647,718	783,375,432,849	6,641,808,005,145	1,262,709,647,429
	2020	7,412,766,872,302	5,034,737,166,320	844,928,054,206	7,247,063,894,294	923,335,768,686
CENT	2018	801,161	940,154	778,970	5,207,342	21,571
	2019	831,777	1,285,023	1,255,977	5,729,085	58,948
	2020	1,096,044	1,116,644	4,983,388	7,629,153	-422,836
CSAP	2018	10,485,450,233	4,086,694,096	3,302,706,214	5,785,287,553	131,939,083
	2019	12,079,939,200	4,502,446,283	3,956,848,238	6,584,587,023	105,046,392
	2020	12,659,547,242	4,419,656,047	4,060,960,933	7,616,266,096	114,757,297
DAYA	2018	547,324,968	287,204,854	238,168,553	411,861,480	2,448,671
	2019	1,094,836,588	321,475,087	411,740,929	730,497,952	12,645,238
	2020	886,244,543	314,742,151	460,174,368	708,530,092	-45,983,478
DIVA	2018	1,487,298,121,359	836,046,426,726	132,248,571,423	855,696,370,699	16,559,257,292
	2019	3,550,041,010,067	955,609,543,741	230,878,773,231	1,087,962,023,939	108,716,623,280
	2020	3,687,861,850,042	967,321,260,042	244,030,808,271	1,154,965,011,840	67,994,348,703
ECHI	2018	2,003,208,506,432	752,676,010,865	353,191,107,837	1,751,622,687,179	7,082,402,298
	2019	1,978,631,967,708	831,937,034,323	399,844,207,730	1,845,324,374,750	31,921,633,688
	2020	1,618,490,505,399	953,327,437,749	397,514,035,472	1,730,596,456,562	-16,619,896,032
ERAA	2018	34,744,177,481	10,053,691,913	7,740,591,920	12,682,902,626	1,203,140,844
	2019	32,944,902,671	6,944,525,743	4,615,531,135	9,747,703,198	472,719,996
	2020	34,113,454,845	7,546,995,255	5,142,950,705	11,211,369,042	917,316,742

GLOB	2018	514,434,171,115	22,136,300,869	258,420,563,998	37,180,128,513	-21,050,797,268
	2019	238,615,469,362	6,415,449,405	300,809,467,631	8,278,414,392	-37,297,602,565
	2020	30,671,505,593	8,968,497,949	408,738,803,147	10,616,363,611	-50,662,749,679
HERO	2018	12,970,389	2,962,414	2,167,159	6,271,858	-1,252,995
	2019	12,181,025	2,417,001	2,261,663	6,054,384	-43,124
	2020	8,893,785	1,540,143	2,278,042	4,838,417	-1,027,133
KIOS	2018	2,567,255,187,035	221,999,958,382	138,165,150,765	249,644,757,376	3,379,070,964
	2019	2,900,162,397,309	247,730,118,201	166,247,720,397	274,525,987,806	-4,151,644,141
	2020	912,535,369,280	166,504,261,852	12,029,671,375	187,967,965,333	-40,881,001,140
KOIN	2018	1,750,649,236,912	803,042,816,102	734,503,822,439	855,572,807,455	-8,325,461,068
	2019	1,618,048,001,660	592,578,908,193	553,865,665,830	652,346,214,673	-15,480,984,182
	2020	1,446,474,839,632	606,903,824,102	529,614,198,284	675,863,759,206	52,764,018,688
LPPF	2018	10,245,173	3,014,408	2,739,811	5,036,396	1,575,321
	2019	10,276,431	2,748,781	2,597,839	4,832,910	1,763,009
	2020	4,839,058	1,610,213	2,856,300	6,319,074	-934,404
MAPA	2018	6,245,547	2,841,145	1,152,314	3,645,143	585,772
	2019	7,472,911	3,103,278	850,246	4,108,278	951,265
	2020	4,781,480	3,403,032	1,824,206	5,382,042	-9,074
MCAS	2018	6,356,090,709,193	1,270,088,532,440	324,425,588,571	1,438,021,142,032	282,086,845,213
	2019	11,090,421,731,942	1,974,839,172,618	463,162,247,757	2,229,863,816,342	338,268,341,741
	2020	11,334,436,937,908	1,403,596,487,054	407,710,377,464	1,835,183,217,104	95,426,725,422
MIDI	2018	10,701,575	2,174,526	2,959,873	4,960,145	207,694
	2019	11,625,313	2,255,382	2,898,464	4,990,309	278,023
	2020	12,659,705	2,205,519	3,395,618	5,923,693	268,015
MKNT	2018	4,748,403,735,514	761,294,934,968	558,243,039,723	855,096,628,586	9,823,131,713

	2019	4,294,709,675,286	709,841,405,850	171,710,454,970	741,824,867,681	-114,292,275,998
	2020	3,452,545,403,628	487,165,020,354	131,704,896,918	500,766,702,549	-55,495,245,361
	2018	10,692,363	2,472,849	2,887,516	4,808,545	-1,070,666
MPPA	2019	8,654,646	3,103,278	850,246	4,108,278	951,265
	2020	6,746,594	3,403,032	1,824,206	5,382,042	-9,074
	2018	5,739,553	3,557,488	1,093,095	5,243,047	717,172
RALS	2019	5,596,398	4,017,659	1,135,638	5,649,823	733,161
	2020	2,527,951	3,200,854	925,658	5,285,218	-181,445
	2018	2,355,625,271,907	544,178,319,988	348,666,837,381	904,003,739,438	59,877,255,323
RANC	2019	2,397,792,415,330	570,849,048,409	348,625,244,359	952,496,300,846	64,038,406,949
	2020	3,011,422,750,334	625,866,677,394	512,965,592,357	1,319,134,443,995	94,284,369,099
	2018	1,977,016,177,884	998,371,024,853	389,766,603,918	1,250,810,082,430	162,897,913,618
SONA	2019	1,748,819,551,691	902,827,833,509	210,417,184,808	1,110,366,038,014	104,353,775,869
	2020	245,551,577,771	732,258,750,960	97,824,561,637	853,905,287,718	-170,065,963,842
	2018	1,671,866,232,277	128,387,536,230	829,311,833,210	193,663,107,384	-12,273,399,044
TRIO	2019	966,725,371,267	102,911,590,387	809,331,977,134	136,433,406,842	-101,986,961,830
	2020	494,469,692,213	70,185,025,171	972,203,816,034	111,295,495,695	-277,923,559,679



Lampiran 05. Rasio *Altman Z-Score* Modifikasi

Kode	Tahun	X1	X2	X3	X4	Z	Ket
ACES	2018	0.65	0.61	0.23	3.90	11.87	Sehat
	2019	0.54	0.55	0.19	2.38	9.10	Sehat
	2020	0.58	0.57	0.13	2.58	9.22	Sehat
CENT	2018	0.03	-0.04	0.00	1.40	1.57	<i>Grey</i>
	2019	0.01	-0.04	0.01	1.11	1.15	<i>Grey</i>
	2020	-0.51	-0.09	-0.06	0.48	-3.50	Bangkrut
CSAP	2018	0.14	0.11	0.02	0.50	1.93	<i>Grey</i>
	2019	0.08	0.10	0.02	0.43	1.43	<i>Grey</i>
	2020	0.05	0.10	0.02	0.37	1.12	<i>Grey</i>
DAYA	2018	0.12	-0.33	0.01	0.66	0.43	Bangkrut
	2019	-0.12	-0.18	0.02	0.30	-0.96	Bangkrut
	2020	-0.21	-0.25	-0.06	0.20	-2.40	Bangkrut
DIVA	2018	0.82	0.02	0.02	5.35	11.22	Sehat
	2019	0.67	0.10	0.10	3.13	8.67	Sehat
	2020	0.63	0.00	0.06	3.23	7.90	Sehat
ECII	2018	0.23	0.02	0.00	3.32	5.09	Sehat
	2019	0.23	0.04	0.02	2.97	4.89	Sehat
	2020	0.32	0.03	-0.01	2.62	4.89	Sehat
ERAA	2018	0.18	0.20	0.09	0.61	3.12	Sehat
	2019	0.24	0.27	0.05	1.04	3.86	Sehat
	2020	0.21	0.29	0.08	1.03	3.97	Sehat
GLOB	2018	-6.36	-25.32	-0.57	-0.95	-129.05	Bangkrut
	2019	-35.56	-118.56	-4.51	-0.99	-651.11	Bangkrut
	2020	-37.66	-97.19	-4.77	-0.99	-596.97	Bangkrut
HERO	2018	0.13	0.11	-0.20	1.69	1.63	<i>Grey</i>
	2019	0.03	0.07	-0.01	1.54	1.96	<i>Grey</i>
	2020	-0.15	-0.29	-0.21	0.62	-2.71	Bangkrut
KIOS	2018	0.34	-0.04	0.01	0.78	2.98	Sehat
	2019	0.30	-0.05	-0.02	0.61	2.31	<i>Grey</i>
	2020	0.82	-0.37	-0.22	0.36	3.11	Sehat
KOIN	2018	0.08	0.00	-0.01	0.14	0.60	Bangkrut
	2019	0.06	-0.03	-0.02	0.15	0.30	Bangkrut
	2020	0.11	0.03	0.08	0.23	1.63	<i>Grey</i>
LPPF	2018	0.05	1.03	0.31	0.56	6.42	Sehat
	2019	0.03	1.09	0.36	0.57	6.80	Sehat
	2020	-0.20	0.59	-0.15	0.10	-0.25	Bangkrut
MAPA	2018	0.46	0.33	0.16	1.78	7.06	Sehat
	2019	0.55	0.46	0.23	2.90	9.69	Sehat
	2020	0.29	0.34	0.00	1.25	4.34	Sehat
MCAS	2018	0.66	0.17	0.20	2.73	9.04	Sehat

	2019	0.68	0.15	0.15	3.35	9.48	Sehat
	2020	0.54	0.18	0.05	2.65	7.29	Sehat
MIDI	2018	-0.16	0.14	0.04	0.28	-0.02	Bangkrut
	2019	-0.13	0.17	0.06	0.32	0.42	Bangkrut
	2020	-0.20	0.16	0.05	0.31	-0.15	Bangkrut
MKNT	2018	0.24	0.03	0.01	0.47	2.23	Grey
	2019	0.73	-0.07	-0.15	0.18	3.69	Sehat
	2020	0.71	-0.20	-0.11	0.09	3.35	Sehat
MPPA	2018	-0.09	-0.15	-0.22	0.31	-2.23	Bangkrut
	2019	0.55	0.46	0.23	2.90	9.69	Sehat
	2020	0.29	0.34	0.00	1.25	4.34	Sehat
RALS	2018	0.47	0.70	0.14	2.70	9.12	Sehat
	2019	0.51	0.70	0.13	2.82	9.47	Sehat
	2020	0.43	0.66	-0.03	2.37	7.24	Sehat
RANC	2018	0.22	0.25	0.07	1.26	3.99	Sehat
	2019	0.23	0.28	0.07	1.35	4.31	Sehat
	2020	0.09	0.20	0.07	0.70	2.42	Grey
SONA	2018	0.49	0.42	0.13	1.56	7.07	Sehat
	2019	0.62	0.54	0.09	3.00	9.63	Sehat
	2020	0.74	0.54	-0.20	4.68	10.22	Sehat
TRIO	2018	-3.62	-40.15	-0.06	-0.95	-156.04	Bangkrut
	2019	-5.18	-57.80	-0.75	-0.96	-228.43	Bangkrut
	2020	-8.10	-73.27	-2.50	-0.97	-309.82	Bangkrut



Lampiran 06. Rasio Springate

Kode	Tahun	X1	X2	X3	X4	Z	Ket
ACES	2018	0.65	0.23	0.29	1.36	2.10	Sehat
	2019	0.54	0.19	0.29	1.23	1.82	Sehat
	2020	0.58	0.13	0.18	1.02	1.52	Sehat
CENT	2018	0.03	0.00	0.02	0.15	0.12	Potensial Bangkrut
	2019	0.01	0.01	0.05	0.15	0.13	Potensial Bangkrut
	2020	-0.51	-0.06	-0.38	0.14	-0.88	Potensial Bangkrut
CSAP	2018	0.14	0.02	0.03	1.81	0.96	Sehat
	2019	0.08	0.02	0.02	1.83	0.88	Sehat
	2020	0.05	0.02	0.03	1.66	0.78	Potensial Bangkrut
DAYA	2018	0.12	0.01	0.01	1.33	0.68	Potensial Bangkrut
	2019	-0.12	0.02	0.04	1.50	0.55	Potensial Bangkrut
	2020	-0.21	-0.06	-0.15	1.25	-0.01	Potensial Bangkrut
DIVA	2018	0.82	0.02	0.02	1.74	1.61	Sehat
	2019	0.67	0.10	0.11	3.26	2.37	Sehat
	2020	0.63	0.06	0.07	3.19	2.15	Sehat
ECII	2018	0.23	0.00	0.01	1.14	0.71	Potensial Bangkrut
	2019	0.23	0.02	0.04	1.07	0.75	Potensial Bangkrut
	2020	0.32	-0.01	-0.02	0.94	0.66	Potensial Bangkrut
ERAA	2018	0.18	0.09	0.12	2.74	1.65	Sehat
	2019	0.24	0.05	0.07	3.38	1.79	Sehat
	2020	0.21	0.08	0.12	3.04	1.77	Sehat
GLOB	2018	-6.36	-0.57	-0.95	13.84	-3.38	Potensial Bangkrut
	2019	-35.56	-4.51	-5.81	28.82	-42.77	Potensial Bangkrut
	2020	-37.66	-4.77	-5.65	2.89	-56.01	Potensial Bangkrut
HERO	2018	0.13	-0.20	-0.42	2.07	0.07	Potensial Bangkrut
	2019	0.03	-0.01	-0.02	2.01	0.80	Potensial Bangkrut
	2020	-0.15	-0.21	-0.67	1.84	-0.51	Potensial Bangkrut
KIOS	2018	0.34	0.01	0.02	10.28	4.51	Sehat
	2019	0.30	-0.02	-0.02	10.56	4.47	Sehat
	2020	0.82	-0.22	-0.25	4.85	1.96	Sehat
KOIN	2018	0.08	-0.01	-0.01	2.05	0.86	Sehat
	2019	0.06	-0.02	-0.03	2.48	0.96	Sehat
	2020	0.11	0.08	0.09	2.14	1.27	Sehat
LPPF	2018	0.05	0.31	0.52	2.03	2.18	Sehat
	2019	0.03	0.36	0.64	2.13	2.43	Sehat
	2020	-0.20	-0.15	-0.58	0.77	-0.73	Potensial Bangkrut
MAPA	2018	0.46	0.16	0.21	1.71	1.79	Sehat
	2019	0.55	0.23	0.31	1.82	2.21	Sehat
	2020	0.29	0.00	0.00	0.89	0.65	Potensial Bangkrut
MCAS	2018	0.66	0.20	0.22	4.42	3.19	Sehat

	2019	0.68	0.15	0.17	4.97	3.27	Sehat
	2020	0.54	0.05	0.07	6.18	3.23	Sehat
MIDI	2018	-0.16	0.04	0.10	2.16	0.89	Sehat
	2019	-0.13	0.06	0.12	2.33	1.05	Sehat
	2020	-0.20	0.05	0.12	2.14	0.87	Sehat
MKNT	2018	0.24	0.01	0.01	5.55	2.51	Sehat
	2019	0.73	-0.15	-0.16	5.79	2.48	Sehat
	2020	0.71	-0.11	-0.11	6.89	3.07	Sehat
MPPA	2018	-0.09	-0.22	-0.43	2.22	-0.17	Potensial Bangkrut
	2019	0.55	0.23	0.31	2.11	2.32	Sehat
	2020	0.29	0.00	0.00	1.25	0.80	Potensial Bangkrut
RALIS	2018	0.47	0.14	0.20	1.09	1.47	Sehat
	2019	0.51	0.13	0.18	0.99	1.44	Sehat
	2020	0.43	-0.03	-0.06	0.48	0.49	Potensial Bangkrut
RANC	2018	0.22	0.07	0.11	2.61	1.54	Sehat
	2019	0.23	0.07	0.11	2.52	1.53	Sehat
	2020	0.09	0.07	0.15	2.28	1.32	Sehat
SONA	2018	0.49	0.13	0.16	1.58	1.64	Sehat
	2019	0.62	0.09	0.12	1.57	1.64	Sehat
	2020	0.74	-0.20	-0.23	0.29	0.12	Potensial Bangkrut
TRIO	2018	-3.62	-0.06	-0.10	8.63	-0.53	Potensial Bangkrut
	2019	-5.18	-0.75	-0.99	7.09	-5.45	Potensial Bangkrut
	2020	-8.10	-2.50	-3.96	4.44	-16.85	Potensial Bangkrut



Lampiran 07. Hasil Uji Normalitas

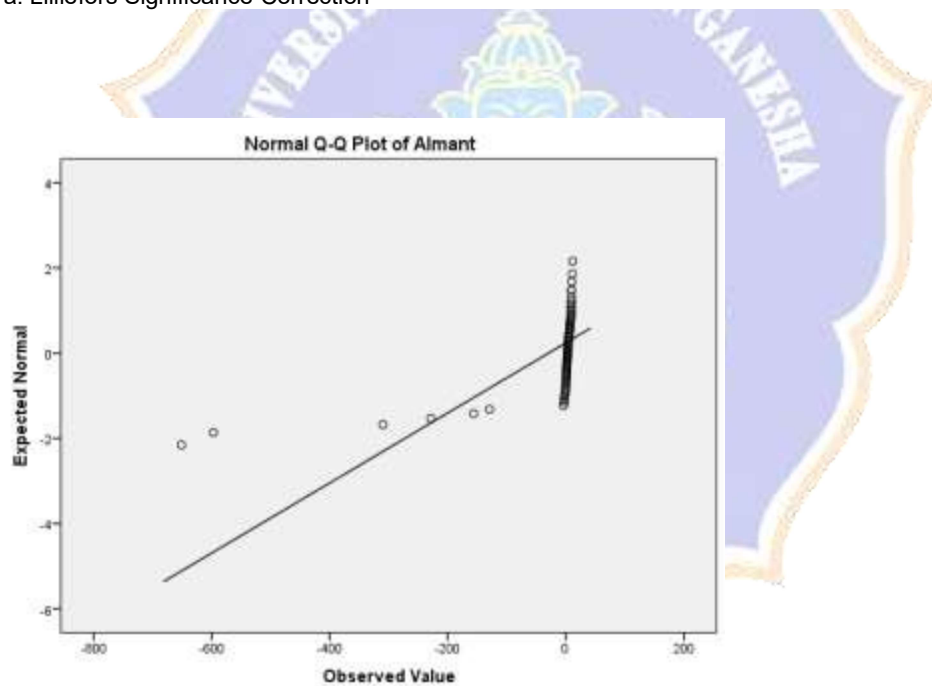
Case Processing Summary

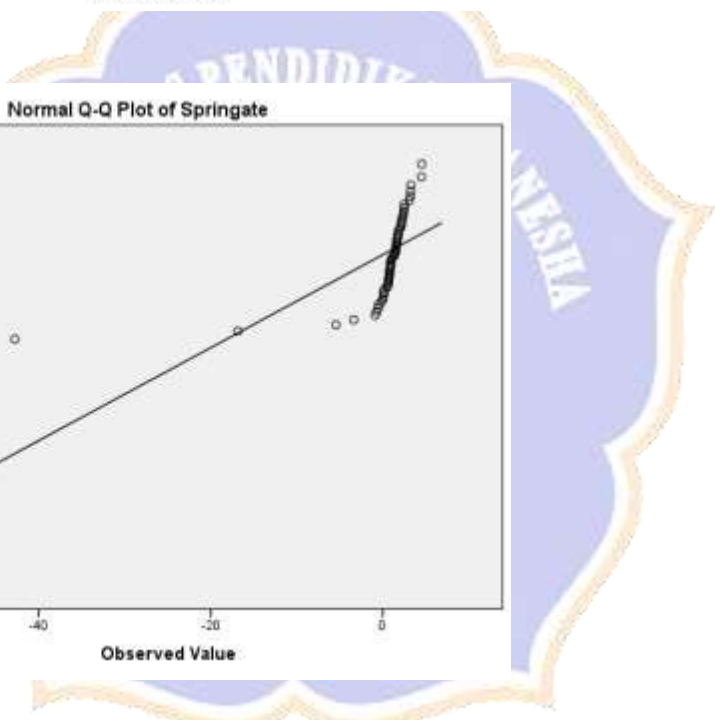
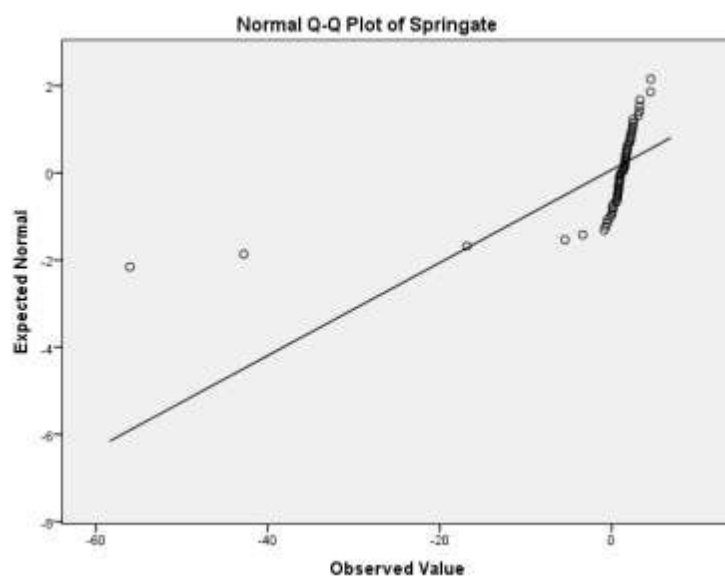
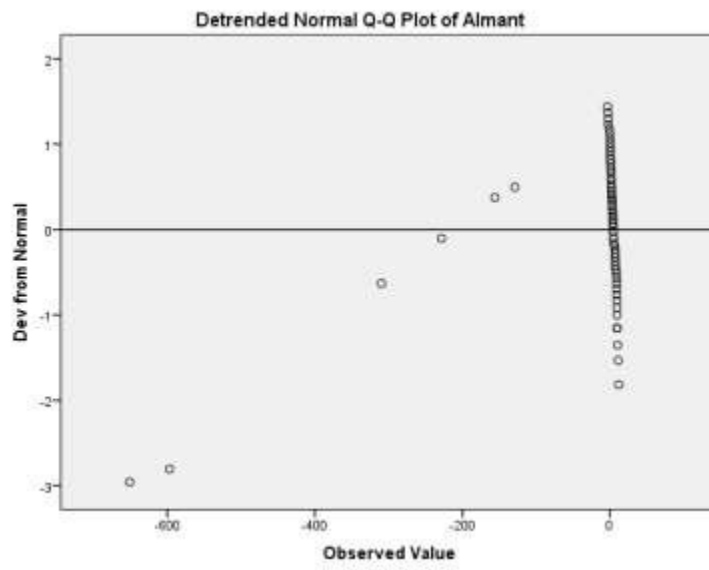
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Almant	63	100.0%	0	0.0%	63	100.0%
Springate	63	100.0%	0	0.0%	63	100.0%

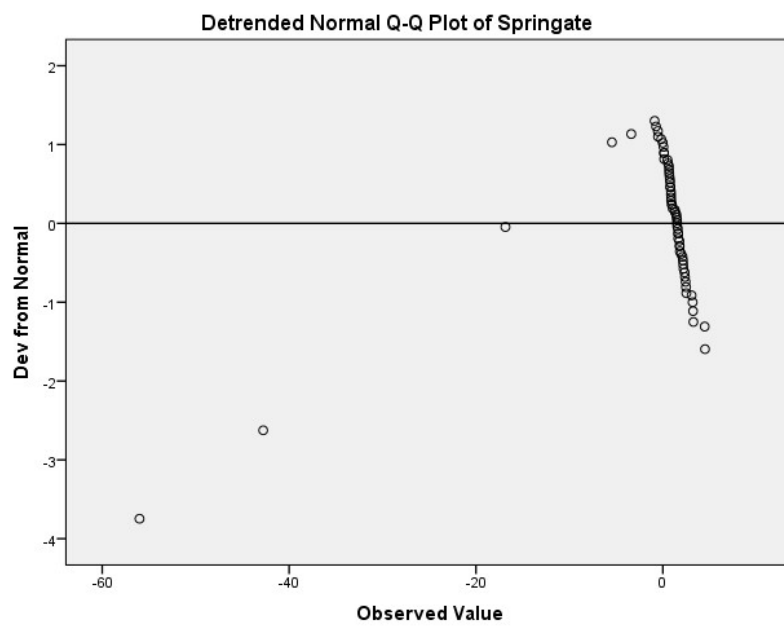
Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Almant	.488	63	.000	.333	63	.000
Springate	.414	63	.000	.339	63	.000

a. Lilliefors Significance Correction







Lampiran 08. Hasil Uji *Kruskal-Wallis*

Ranks			
	Model_Prediksi	N	Mean Rank
Score_Prediksi	Altman	63	74.77
	Springate	63	52.23
	Total	126	

Test Statistics ^{a,b}	
	Score_Prediksi
Chi-Square	12.001
df	1
Asymp. Sig.	.001

a. Kruskal Wallis Test

b. Grouping Variable:

Model_Prediksi

