

DAFTAR PUSTAKA

- Antoni dkk. 2016. Faktor-faktor yang Mempengaruhi Struktur Modal Perusahaan Manufaktur di Bursa Efek Indonesia. *Jurnal Benefita*, Vol. 1 No. 2, Juli: hlm. 78-94.
- Ariani, Ni KA. dan Ni LP. Wiagustini. 2017. Faktor-faktor yang Mempengaruhi Struktur Modal Perusahaan Property & Real Estate yang Terdaftar di BEI. *e-Jurnal Manajemen Unud*, Vol. 6 No. 6: hlm. 3168-3195.
- Brigham, Eugene F. dan Joel F. Houston. 2012. *Dasar-dasar Manajemen Keuangan*. Edisi 11. Diterjemahkan Ali A. Yulianto. Jakarta: Salemba Empat.
- Ghozali, Imam. 2011. *Aplikasi Analisis Multivariate dengan Program IBM SPSS 19*. Semarang: Badan Penerbit Universitas Diponegoro.
- Hestuningrum, Ratri D. dan Darsono. 2012. Pengaruh Karakteristik Perusahaan Terhadap Struktur Modal Perusahaan Pemanufakturan yang Terdaftar pada Bursa Efek Indonesia. *Diponegoro Journal of Accounting*, Vol. 1 No. 1: hlm. 1-12.
- Husnan, Suad dan Enny Pudjiastuti. 2012. *Dasar-dasar Manajemen Keuangan*. Edisi Keenam Cetakan Pertama. Yogyakarta: UPP STIM YKPN.
- Ismail, Anas dkk. 2015. Faktor-faktor yang Mempengaruhi Struktur Modal pada Perusahaan Property dan Real Estate. *DAYA SAING Jurnal Ekonomi Manajemen Sumber Daya*, Vol. 17 No. 1, Juni: hlm. 1-7.
- Juliantika, Ni LAAM. dan Made R. Dewi. 2016. Pengaruh Profitabilitas, Ukuran Perusahaan, Likuiditas, dan Risiko Bisnis Terhadap Struktur Modal pada Perusahaan Property dan Realestate. *e-Jurnal Manajemen Unud*, Vol. 5 No. 7: hlm. 4161-4192.
- Misbahuddin dan Iqbal Hasan. 2013. *Analisis Data Penelitian dengan Statistik*. Edisi 2. Jakarta: Bumi Aksara.
- Novitaningtyas, Tiara P. dan Rina Mudjiyanti. 2014. Pengaruh Karakteristik Perusahaan Terhadap Struktur Modal pada Perusahaan Farmasi yang Terdaftar di BEI Periode 2009-2013. *KOMPARTEMEN*, Vol. XII No. 2, September: hlm.113-131.

- Puspida, Sri dan Budiyanto. 2013. Pengaruh Risiko Bisnis dan Pertumbuhan aset Terhadap Struktur Modal pada PT Pembangunan Jawa Bali. *Jurnal Ilmu & Riset Manajemen*, Vol. 2 No. 2: hlm. 1-15.
- Ratri, Anissa M. dan Ari Christianti. 2017. Pengaruh Size, Likuiditas, Profitabilitas, Risiko Bisnis, dan Pertumbuhan Penjualan Terhadap Struktur Modal pada Sektor Industri Properti. *Jurnal Riset Manajemen dan Bisnis (JRMB)*, Vol. 12 No. 1, Juni: hlm. 13-24.
- Riyanto, Bambang. 2011. *Dasar-dasar Pembelanjaan Perusahaan*. Edisi 4. Yogyakarta: BPFE.
- Rizal, Prihet H dkk. 2014. Pengaruh Karakteristik Perusahaan Terhadap Struktur Modal (Studi Empiris pada Perusahaan Automotive and Allied Product yang Terdaftar di Bursa Efek Indonesia Periode 2008-2011). *Jurnal Online Mahasiswa (JOM) Bidang Ilmu Ekonomi*, Vol. 1 No. 1, Februari: hlm. 1-15.
- Sartono, Agus 2010. *Manajemen Keuangan*. Edisi Ketiga. Yogyakarta: BPFE.
- Selfiana, Kiki E dan Fidiana. 2016. Pengaruh Growth Opportunity, Profitabilitas dan Struktur Aset Terhadap Struktur Modal. *Jurnal Ilmu dan Riset Akuntansi*, Vol. 5 No. 9, September: hlm. 1-17.
- Sugiyono. 2011. *Metode Penelitian Kuantitatif, Kualitatif dan R & D*. Bandung: Alfabeta.
- Sutrisno. 2013. *Manajemen Keuangan Teori, Konsep dan Aplikasi*. Yogyakarta: Ekonisia.
- Wahyuni, Wenny S. dan Sri Utiyati. 2013. Pengaruh Karakteristik Perusahaan Terhadap Struktur Modal Perusahaan Manufaktur pada Bursa Efek Indonesia. *Jurnal Ilmu & Riset Manajemen*, Vol. 2 No. 9: hlm. 1-15.
- Wiagustini, Ni LP. dan Ni P. Pertamawati. 2015. Pengaruh Risiko Bisnis dan Ukuran Perusahaan pada Struktur Modal dan Nilai Perusahaan pada Perusahaan Farmasi di Bursa Efek Indonesia. *Jurnal Manajemen, Strategi Bisnis dan Kewirausahaan*, Vol. 9 No. 2, Agustus: hlm. 112-122.
- Wimelda, Linda dan Aan Marlinah. 2013. Variabel-variabel yang Mempengaruhi Struktur Modal pada Perusahaan Publik Sektor Non Keuangan. *Media Bisnis*, Vol. 5 No. 3, November: hlm. 200-213.
- Wirjawan, Ricardo S. 2015. Faktor-faktor yang Mempengaruhi Struktur Modal Perusahaan Manufaktur di Bursa Efek Indonesia. *Jurnal Bisnis dan Akuntansi (JBA)*, Vol. 17 No. 1a, November: hlm. 1-19.

Lampiran 1

Daftar Nama Perusahaan Sampel

No	Kode	Nama Perusahaan
A	Sub-sektor	Otomotif & Komponen
1	ASII	PT Astra International Tbk
2	AUTO	PT Astra Auto Part Tbk
3	BRAM	PT Indo Kordsa Tbk
4	INDS	PT Indospring Tbk
5	NIPS	PT Nippres Tbk
6	PRAS	PT Prima Alloy Steel Universal Tbk
7	SMSM	PT Selamat Sempurna Tbk
B	Sub-sektor	Tekstil & Garment
8	RICY	PT Ricky Putra Globalindo Tbk
9	SRIL	PT Sri Rejeki Isman Tbk
10	TRIS	PT Trisula International Tbk
11	UNIT	PT Nusantara Inti Corpora Tbk
C	Sub-sektor	Alas Kaki
12	BATA	PT Sepatu Bata Tbk
C	Sub-sektor	Kabel
13	IKBI	PT Sumi Indo Kabel Tbk
14	JECC	PT Jembo Cable Company Tbk
15	KBLI	PT KMI Wire and Cable Tbk
16	KBLM	PT Kabelindo Murni Tbk
17	SCCO	PT Supreme Cable MC Tbk

Lampiran 2

Data Variabel Penelitian

Data Variabel Struktur Modal (Y)

No	Kode	<i>Long Term Liabilities (LTL)</i>			
		2015	2016	2017	2018
1	ASII	42,660,000	32,870,000	40,595,000	49,936,000
2	AUTO	569,777	817,570	961,731	648,939
3	BRAM	767,778	520,726	523,338	547,411
4	INDS	189,883	85,509	86,074	77,879
5	NIPS	269,122	257,851	229,626	198,531
6	PRAS	155,588	221,303	215,743	177,314
7	SMSM	208,148	166,203	195,244	213,945
8	RICY	79,917	54,430	70,955	58,228
9	SRIL	6,441,022	6,617,664	7,797,609	9,273,508
10	TRIS	18,241	11,308	3,130	2,938
11	UNIT	4,082	4,338	1,397	1,397
12	BATA	34,139	39,853	45,885	48,549
13	IKBI	48,741	78,777	92,350	106,251
14	JECC	107,424	124,327	160,397	185,085
15	KBLI	186,764	191,361	293,524	404,742
16	KBLM	15,267	15,172	9,347	9,959
17	SCCO	31,654	34,563	34,356	39,780

No	Kode	<i>Total Equity (TE)</i>			
		2015	2016	2017	2018
1	ASII	126,533,000	139,906,000	156,329,000	167,931,000
2	AUTO	10,143,426	10,536,558	10,759,076	10,962,358
3	BRAM	2,681,260	2,656,897	2,940,856	3,232,637
4	INDS	1,919,039	2,068,064	2,144,819	2,189,821
5	NIPS	609,003	842,581	879,513	968,416
6	PRAS	720,564	693,002	676,405	820,536
7	SMSM	1,440,248	1,580,055	1,828,184	2,063,597
8	RICY	400,079	412,499	430,265	432,431
9	SRIL	4,056,195	4,448,787	5,990,368	7,470,012

10	TRIS	329,208	346,627	356,232	367,352
11	UNIT	242,974	244,022	245,258	245,693
12	BATA	547,187	557,155	579,309	619,455
13	IKBI	911,483	845,014	872,806	958,904
14	JECC	367,756	470,338	547,361	591,127
15	KBLI	1,027,362	1,321,346	1,786,746	1,831,002
16	KBLM	296,475	320,655	791,429	789,348
17	SCCO	922,353	1,220,421	2,728,227	2,853,609

No	Kode	Struktur Model = LDER = $LTL/TE \times 100$			
		2015	2016	2017	2018
1	ASII	33.715	23.494	25.968	29.736
2	AUTO	5.617	7.759	8.939	5.920
3	BRAM	28.635	19.599	17.795	16.934
4	INDS	9.895	4.135	4.013	3.556
5	NIPS	44.191	30.603	26.108	20.501
6	PRAS	21.593	31.934	31.896	21.610
7	SMSM	14.452	10.519	10.680	10.368
8	RICY	19.975	13.195	16.491	13.465
9	SRIL	158.795	148.752	130.169	124.143
10	TRIS	5.541	3.262	0.879	0.800
11	UNIT	1.680	1.778	0.570	0.569
12	BATA	6.239	7.153	7.921	7.837
13	IKBI	5.347	9.323	10.581	11.080
14	JECC	29.211	26.434	29.304	31.311
15	KBLI	18.179	14.482	16.428	22.105
16	KBLM	5.150	4.732	1.181	1.262
17	SCCO	3.432	2.832	1.259	1.394

Data Variabel *Profitability* (X_1)

No	Kode	<i>Profitability</i> = ROA			
		2015	2016	2017	2018
1	ASII	6.360	6.990	7.840	6.460
2	AUTO	2.250	3.310	3.710	2.810
3	BRAM	4.310	7.530	8.070	3.230
4	INDS	3.080	2.000	4.670	4.420

5	NIPS	1.980	3.690	2.320	0.150
6	PRAS	0.420	0.170	0.210	0.400
7	SMSM	20.780	22.270	22.730	17.230
8	RICY	1.120	1.090	1.200	0.320
9	SRIL	3.110	3.270	3.750	2.340
10	TRIS	6.520	5.940	4.610	4.960
11	UNIT	3.080	3.200	3.250	3.100
12	BATA	6.280	5.250	6.270	5.310
13	IKBI	1.750	5.140	0.540	1.230
14	JECC	0.180	8.340	4.320	3.540
15	KBLI	7.430	7.870	1.910	3.090
16	KBLM	1.950	3.320	3.560	4.780
17	SCCO	18.970	13.900	16.720	14.650

Data Variabel *Firm Size* (X₂)

No	Kode	<i>Total Revenues (TR)</i>			
		2015	2016	2017	2018
1	ASII	184,196,000	181,084,000	206,057,000	174,881,000
2	AUTO	11,723,787	12,806,867	13,549,857	11,500,591
3	BRAM	3,046,700	2,959,937	3,275,673	1,890,648
4	INDS	1,659,506	1,637,037	1,967,983	1,754,682
5	NIPS	987,863	1,039,636	1,077,047	809,087
6	PRAS	469,645	366,710	348,471	297,274
7	SMSM	2,802,924	2,879,876	3,339,964	1,059,099
8	RICY	1,111,051	1,221,519	1,600,432	1,514,791
9	SRIL	9,116,561	9,135,667	10,287,672	11,404,968
10	TRIS	859,743	901,909	773,807	625,867
11	UNIT	118,260	104,110	103,245	82,898
12	BATA	1,028,851	999,802	974,536	769,792
13	IKBI	1,423,598	1,273,703	1,380,199	2,128,310
14	JECC	1,663,336	2,037,785	2,184,519	2,390,537
15	KBLI	2,662,039	2,812,196	3,186,705	2,590,628
16	KBLM	967,710	987,409	1,215,477	717,563
17	SCCO	3,533,081	3,742,638	4,440,405	3,596,063

No	Kode	<i>Firm Size = Ln TR</i>			
		2015	2016	2017	2018
1	ASII	19.032	19.014	19.144	18.980
2	AUTO	16.277	16.365	16.422	16.258
3	BRAM	14.930	14.901	15.002	14.452
4	INDS	14.322	14.308	14.493	14.378
5	NIPS	13.803	13.854	13.890	13.604
6	PRAS	13.060	12.812	12.761	12.602
7	SMSM	14.846	14.873	15.021	13.873
8	RICY	13.921	14.016	14.286	14.231
9	SRIL	16.026	16.028	16.146	16.250
10	TRIS	13.664	13.712	13.559	13.347
11	UNIT	11.681	11.553	11.545	11.325
12	BATA	13.844	13.815	13.790	13.554
13	IKBI	14.169	14.057	14.138	14.571
14	JECC	14.324	14.527	14.597	14.687
15	KBLI	14.795	14.849	14.974	14.767
16	KBLM	13.783	13.803	14.011	13.484
17	SCCO	15.078	15.135	15.306	15.095

Data Variabel *Tangibility* (X₃)

No	Kode	<i>Fixed Assets (FA)</i>			
		2015	2016	2017	2018
1	ASII	41,702,000	43,237,000	48,402,000	6,299,000
2	AUTO	3,507,217	3,599,815	3,526,867	3,464,415
3	BRAM	2,565,895	2,239,563	2,304,444	2,432,498
4	INDS	1,447,375	1,361,197	1,238,823	1,227,473
5	NIPS	593,105	681,451	985,962	976,835
6	PRAS	859,544	897,064	863,440	853,266
7	SMSM	714,935	658,258	683,803	760,536
8	RICY	338,072	332,511	323,156	311,940
9	SRIL	6,461,933	6,977,375	7,406,799	9,739,351
10	TRIS	121,531	132,954	126,624	120,437
11	UNIT	327,374	307,293	287,691	272,908
12	BATA	234,746	219,554	218,947	230,695
13	IKBI	286,204	323,360	432,081	461,179

14	JECC	396,189	408,722	567,615	569,576
15	KBLI	552,111	560,535	1,043,802	993,184
16	KBLM	291,209	244,139	682,651	684,503
17	SCCO	317,988	322,518	1,687,349	1,674,834

No	Kode	Total Assets (TA)			
		2015	2016	2017	2018
1	ASII	245,435,000	261,855,000	295,646,000	333,325,000
2	AUTO	14,339,110	14,612,274	14,762,309	15,890,613
3	BRAM	4,277,420	3,977,869	4,125,144	4,602,498
4	INDS	2,553,928	2,477,273	2,434,617	2,503,356
5	NIPS	1,547,720	1,777,956	1,897,962	2,134,386
6	PRAS	1,531,742	1,596,467	1,542,244	1,729,815
7	SMSM	2,220,108	2,254,740	2,443,341	2,793,575
8	RICY	1,198,194	1,288,684	1,374,445	1,377,866
9	SRIL	1,148,513	12,726,172	16,161,423	19,709,646
10	TRIS	574,346	639,701	544,968	615,140
11	UNIT	460,539	432,913	426,385	420,833
12	BATA	795,258	804,743	855,691	891,498
13	IKBI	1,052,825	1,011,061	1,070,057	1,353,560
14	JECC	1,358,464	1,587,211	1,927,985	2,137,946
15	KBLI	1,551,800	1,871,422	3,013,761	3,225,370
16	KBLM	654,386	639,091	1,235,199	1,164,817
17	SCCO	1,773,144	2,449,935	4,014,245	4,242,134

No	Kode	Tangibility = FA/TA			
		2015	2016	2017	2018
1	ASII	16.991	16.512	16.372	1.890
2	AUTO	24.459	24.636	23.891	21.802
3	BRAM	59.987	56.301	55.863	52.852
4	INDS	56.673	54.947	50.884	49.033
5	NIPS	38.321	38.328	51.948	45.767
6	PRAS	56.115	56.191	55.986	49.327
7	SMSM	32.203	29.194	27.986	27.224
8	RICY	28.215	25.802	23.512	22.639
9	SRIL	562.635	54.827	45.830	49.414
10	TRIS	21.160	20.784	23.235	19.579

11	UNIT	71.085	70.983	67.472	64.849
12	BATA	29.518	27.282	25.587	25.877
13	IKBI	27.184	31.982	40.379	34.072
14	JECC	29.164	25.751	29.441	26.641
15	KBLI	35.579	29.952	34.635	30.793
16	KBLM	44.501	38.201	55.266	58.765
17	SCCO	17.934	13.164	42.034	39.481

Data Variabel Volatility (X₄)

No	Kode	EBIT				
		2014	2015	2016	2017	2018
1	ASII	27,352,000	19,630,000	22,530,000	29,196,000	27,185,000
2	AUTO	1,108,055	433,596	648,907	711,936	588,574
3	BRAM	271,072	267,994	417,002	461,573	212,958
4	INDS	167,540	4,134	60,140	160,341	147,132
5	NIPS	67,390	41,752	88,566	59,678	12,343
6	PRAS	15,015	8,469	3,970	4,006	6,938
7	SMSM	541,150	583,717	658,208	720,638	258,888
8	RICY	22,627	22,398	23,362	25,809	7,583
9	SRIL	820,269	946,618	887,149	1,147,215	1,167,330
10	TRIS	47,671	50,169	47,947	21,834	25,419
11	UNIT	5,648	1,661	1,915	1,539	584
12	BATA	98,926	148,804	65,302	79,524	68,231
13	IKBI	31,104	25,253	69,418	4,518	22,643
14	JECC	33,145	8,496	175,426	111,624	103,491
15	KBLI	94,275	150,049	386,130	428,885	163,890
16	KBLM	27,371	21,473	34,529	44,548	12,979
17	SCCO	182,347	206,056	439,602	345,230	263,237

No	Kode	STDV EBIT			
		2015	2016	2017	2018
1	ASII	5,460,279	2,050,610	4,713,574	1,421,992
2	AUTO	476,915	152,248	44,568	87,230
3	BRAM	2,176	105,365	31,516	175,797
4	INDS	115,545	39,602	70,853	9,340
5	NIPS	18,129	33,102	20,427	33,471

6	PRAS	4,629	3,181	25	2,073
7	SMSM	30,099	52,673	44,145	326,507
8	RICY	162	682	1,730	12,888
9	SRIL	89,342	42,051	183,894	14,223
10	TRIS	1,766	1,571	18,465	2,535
11	UNIT	2,819	180	266	675
12	BATA	35,269	59,045	10,056	7,985
13	IKBI	4,137	31,229	45,891	12,816
14	JECC	17,429	118,037	45,115	5,751
15	KBLI	39,438	166,934	30,232	187,380
16	KBLM	4,171	9,232	7,085	22,323
17	SCCO	16,765	165,142	66,731	57,978

No	Kode	Ln STDV EBIT			
		2015	2016	2017	2018
1	ASII	15.513	14.534	15.366	14.168
2	AUTO	13.075	11.933	10.705	11.376
3	BRAM	7.685	11.565	10.358	12.077
4	INDS	11.657	10.587	11.168	9.142
5	NIPS	9.805	10.407	9.925	10.418
6	PRAS	8.440	8.065	3.237	7.637
7	SMSM	10.312	10.872	10.695	12.696
8	RICY	5.087	6.525	7.456	9.464
9	SRIL	11.400	10.647	12.122	9.563
10	TRIS	7.477	7.360	9.824	7.838
11	UNIT	7.944	5.191	5.583	6.515
12	BATA	10.471	10.986	9.216	8.985
13	IKBI	8.328	10.349	10.734	9.458
14	JECC	9.766	11.679	10.717	8.657
15	KBLI	10.582	12.025	10.317	12.141
16	KBLM	8.336	9.130	8.866	10.013
17	SCCO	9.727	12.015	11.108	10.968

Data Variabel *Growth Opportunity* (X₅)

No	Kode	PBV			
		2015	2016	2017	2018
1	ASII	1.920	2.540	2.150	1.980
2	AUTO	0.760	0.960	0.920	0.650
3	BRAM	0.830	0.010	1.160	0.830
4	INDS	0.120	0.260	0.390	0.670
5	NIPS	1.040	0.780	0.930	0.610
6	PRAS	0.120	0.220	0.210	0.170
7	SMSM	4.760	3.620	4.100	3.910
8	RICY	0.260	0.240	0.230	0.240
9	SRIL	1.890	1.070	1.300	0.980
10	TRIS	0.950	0.980	0.920	0.630
11	UNIT	0.080	0.110	0.070	0.080
12	BATA	2.140	1.810	1.270	1.260
13	IKBI	0.370	0.490	0.440	0.320
14	JECC	0.560	1.140	1.460	1.700
15	KBLI	0.460	0.900	0.980	0.660
16	KBLM	0.500	0.830	0.410	0.350
17	SCCO	0.830	1.330	0.710	0.630

Lampiran 3

Rekapitulasi Data Variabel Penelitian

No	Tahun	SM	Prof	FS	Tang	Vol	GO
1	2015	33.715	6.360	19.032	16.991	15.513	1.920
2		5.617	2.250	16.277	24.459	13.075	0.760
3		28.635	4.310	14.930	59.987	7.685	0.830
4		9.895	3.080	14.322	56.673	11.657	0.120
5		44.191	1.980	13.803	38.321	9.805	1.040
6		21.593	0.420	13.060	56.115	8.440	0.120
7		14.452	20.780	14.846	32.203	10.312	4.760
8		19.975	1.120	13.921	28.215	5.087	0.260
9		158.795	3.110	16.026	562.635	11.400	1.890
10		5.541	6.520	13.664	21.160	7.477	0.950
11		1.680	3.080	11.681	71.085	7.944	0.080
12		6.239	6.280	13.844	29.518	10.471	2.140
13		5.347	1.750	14.169	27.184	8.328	0.370
14		29.211	0.180	14.324	29.164	9.766	0.560
15		18.179	7.430	14.795	35.579	10.582	0.460
16		5.150	1.950	13.783	44.501	8.336	0.500
17		3.432	18.970	15.078	17.934	9.727	0.830
18	2016	23.494	6.990	19.014	16.512	14.534	2.540
19		7.759	3.310	16.365	24.636	11.933	0.960
20		19.599	7.530	14.901	56.301	11.565	0.010
21		4.135	2.000	14.308	54.947	10.587	0.260
22		30.603	3.690	13.854	38.328	10.407	0.780
23		31.934	0.170	12.812	56.191	8.065	0.220
24		10.519	22.270	14.873	29.194	10.872	3.620
25		13.195	1.090	14.016	25.802	6.525	0.240
26		148.752	3.270	16.028	54.827	10.647	1.070
27		3.262	5.940	13.712	20.784	7.360	0.980
28		1.778	3.200	11.553	70.983	5.191	0.110
29		7.153	5.250	13.815	27.282	10.986	1.810
30		9.323	5.140	14.057	31.982	10.349	0.490
31		26.434	8.340	14.527	25.751	11.679	1.140
32		14.482	7.870	14.849	29.952	12.025	0.900

33		4.732	3.320	13.803	38.201	9.130	0.830
34		2.832	13.900	15.135	13.164	12.015	1.330
35	2017	25.968	7.840	19.144	16.372	15.366	2.150
36		8.939	3.710	16.422	23.891	10.705	0.920
37		17.795	8.070	15.002	55.863	10.358	1.160
38		4.013	4.670	14.493	50.884	11.168	0.390
39		26.108	2.320	13.890	51.948	9.925	0.930
40		31.896	0.210	12.761	55.986	3.237	0.210
41		10.680	22.730	15.021	27.986	10.695	4.100
42		16.491	1.200	14.286	23.512	7.456	0.230
43		130.169	3.750	16.146	45.830	12.122	1.300
44		0.879	4.610	13.559	23.235	9.824	0.920
45		0.570	3.250	11.545	67.472	5.583	0.070
46		7.921	6.270	13.790	25.587	9.216	1.270
47		10.581	0.540	14.138	40.379	10.734	0.440
48		29.304	4.320	14.597	29.441	10.717	1.460
49		16.428	1.910	14.974	34.635	10.317	0.980
50		1.181	3.560	14.011	55.266	8.866	0.410
51		1.259	16.720	15.306	42.034	11.108	0.710
52	2018	29.736	6.460	18.980	1.890	14.168	1.980
53		5.920	2.810	16.258	21.802	11.376	0.650
54		16.934	3.230	14.452	52.852	12.077	0.830
55		3.556	4.420	14.378	49.033	9.142	0.670
56		20.501	0.150	13.604	45.767	10.418	0.610
57		21.610	0.400	12.602	49.327	7.637	0.170
58		10.368	17.230	13.873	27.224	12.696	3.910
59		13.465	0.320	14.231	22.639	9.464	0.240
60		124.143	2.340	16.250	49.414	9.563	0.980
61		0.800	4.960	13.347	19.579	7.838	0.630
62		0.569	3.100	11.325	64.849	6.515	0.080
63		7.837	5.310	13.554	25.877	8.985	1.260
64		11.080	1.230	14.571	34.072	9.458	0.320
65		31.311	3.540	14.687	26.641	8.657	1.700
66		22.105	3.090	14.767	30.793	12.141	0.660
67		1.262	4.780	13.484	58.765	10.013	0.350
68		1.394	14.650	15.095	39.481	10.968	0.630

Lampiran 4

Hasil Transformasi Data Variabel Penelitian

No	Tahun	SM	Prof	FS	Tang	Vol	GO
1	2015	5.806	2.522	4.363	4.122	3.939	1.386
2		2.370	1.500	4.034	4.946	3.616	0.872
3		5.351	2.076	3.864	7.745	2.772	0.911
4		3.146	1.755	3.784	7.528	3.414	0.346
5		6.648	1.407	3.715	6.190	3.131	1.020
6		4.647	0.648	3.614	7.491	2.905	0.346
7		3.802	4.559	3.853	5.675	3.211	2.182
8		4.469	1.058	3.731	5.312	2.255	0.510
9		12.601	1.764	4.003	23.720	3.376	1.375
10		2.354	2.553	3.697	4.600	2.734	0.975
11		1.296	1.755	3.418	8.431	2.819	0.283
12		2.498	2.506	3.721	5.433	3.236	1.463
13		2.312	1.323	3.764	5.214	2.886	0.608
14		5.405	0.424	3.785	5.400	3.125	0.748
15		4.264	2.726	3.846	5.965	3.253	0.678
16		2.269	1.396	3.713	6.671	2.887	0.707
17		1.853	4.355	3.883	4.235	3.119	0.911
18	2016	4.847	2.644	4.361	4.063	3.812	1.594
19		2.786	1.819	4.045	4.963	3.454	0.980
20		4.427	2.744	3.860	7.503	3.401	0.100
21		2.033	1.414	3.783	7.413	3.254	0.510
22		5.532	1.921	3.722	6.191	3.226	0.883
23		5.651	0.412	3.579	7.496	2.840	0.469
24		3.243	4.719	3.857	5.403	3.297	1.903
25		3.633	1.044	3.744	5.080	2.554	0.490
26		12.196	1.808	4.003	7.405	3.263	1.034
27		1.806	2.437	3.703	4.559	2.713	0.990
28		1.333	1.789	3.399	8.425	2.278	0.332
29		2.674	2.291	3.717	5.223	3.315	1.345
30		3.053	2.267	3.749	5.655	3.217	0.700
31		5.141	2.888	3.811	5.075	3.417	1.068
32		3.806	2.805	3.854	5.473	3.468	0.949

33		2.175	1.822	3.715	6.181	3.022	0.911
34		1.683	3.728	3.890	3.628	3.466	1.153
35	2017	5.096	2.800	4.375	4.046	3.920	1.466
36		2.990	1.926	4.052	4.888	3.272	0.959
37		4.218	2.841	3.873	7.474	3.218	1.077
38		2.003	2.161	3.807	7.133	3.342	0.624
39		5.110	1.523	3.727	7.208	3.150	0.964
40		5.648	0.458	3.572	7.482	1.799	0.458
41		3.268	4.768	3.876	5.290	3.270	2.025
42		4.061	1.095	3.780	4.849	2.731	0.480
43		11.409	1.936	4.018	6.770	3.482	1.140
44		0.937	2.147	3.682	4.820	3.134	0.959
45		0.755	1.803	3.398	8.214	2.363	0.265
46		2.814	2.504	3.713	5.058	3.036	1.127
47		3.253	0.735	3.760	6.354	3.276	0.663
48		5.413	2.078	3.821	5.426	3.274	1.208
49		4.053	1.382	3.870	5.885	3.212	0.990
50		1.087	1.887	3.743	7.434	2.978	0.640
51		1.122	4.089	3.912	6.483	3.333	0.843
52	2018	5.453	2.542	4.357	1.375	3.764	1.407
53		2.433	1.676	4.032	4.669	3.373	0.806
54		4.115	1.797	3.802	7.270	3.475	0.911
55		1.886	2.102	3.792	7.002	3.024	0.819
56		4.528	0.387	3.688	6.765	3.228	0.781
57		4.649	0.632	3.550	7.023	2.763	0.412
58		3.220	4.151	3.725	5.218	3.563	1.977
59		3.670	0.566	3.772	4.758	3.076	0.490
60		11.142	1.530	4.031	7.030	3.092	0.990
61		0.894	2.227	3.653	4.425	2.800	0.794
62		0.754	1.761	3.365	8.053	2.552	0.283
63		2.800	2.304	3.682	5.087	2.998	1.122
64		3.329	1.109	3.817	5.837	3.075	0.566
65		5.596	1.881	3.832	5.162	2.942	1.304
66		4.702	1.758	3.843	5.549	3.484	0.812
67		1.123	2.186	3.672	7.666	3.164	0.592
68		1.181	3.828	3.885	6.283	3.312	0.794

Lampiran 5

Hasil Analisis Statistik Deskriptif

Descriptives

Descriptive Statistics						
	N	Minimum	Maximum	Mean	Std. Deviation	Variance
SM	68	.569	158.795	21.09421	32.034053	1026.181
PROF	68	.150	22.730	5.39044	5.362353	28.755
FS	68	11.325	19.144	14.55471	1.585566	2.514
TANG	68	1.890	562.635	44.95422	65.624107	4306.523
VOL	68	3.237	15.513	9.97041	2.304062	5.309
GO	68	.010	4.760	1.00294	.973429	.948
Valid N (listwise)	68					

Lampiran 6

Hasil Uji Normalitas

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual 1	Unstandardized Residual 2
N		68	68
Normal Parameters ^a	Mean	.0000000	.0000000
	Std. Deviation	23.22890311	1.70083184
Most Extreme Differences	Absolute	.229	.128
	Positive	.229	.128
	Negative	-.129	-.066
Kolmogorov-Smirnov Z		1.886	1.052
Asymp. Sig. (2-tailed)		.002	.219

a. Test distribution is Normal.

Lampiran 7

Hasil Uji Multikolinieritas

Regression

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	GO, TANG, VOL, PROF, FS ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: SM

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	PROF	.550	1.817
	FS	.393	2.545
	TANG	.935	1.070
	VOL	.396	2.523
	GO	.461	2.170

a. Dependent Variable: SM

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions					
				(Constant)	PROF	FS	TANG	VOL	GO
1	1	5.583	1.000	.00	.00	.00	.00	.00	.00
	2	.260	4.631	.00	.13	.00	.20	.00	.08
	3	.083	8.186	.00	.17	.00	.71	.01	.02
	4	.067	9.124	.00	.66	.00	.01	.00	.72
	5	.006	30.590	.10	.00	.01	.04	.62	.09
	6	.001	89.921	.90	.04	.99	.04	.37	.08

a. Dependent Variable: SM

Lampiran 8

Hasil Uji Autokorelasi

Regression

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	GO, TANG, VOL, PROF, FS ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: SM

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.738 ^a	.545	.509	1.768084	2.165

a. Predictors: (Constant), GO, TANG, VOL, PROF, FS

b. Dependent Variable: SM

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	232.485	5	46.497	14.874	.000 ^a
	Residual	193.820	62	3.126		
	Total	426.305	67			

a. Predictors: (Constant), GO, TANG, VOL, PROF, FS

b. Dependent Variable: SM

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-20.278	4.986		-4.067	.000
	PROF	-1.194	.280	-.492	-4.261	.000
	FS	6.563	1.690	.531	3.884	.000
	TANG	.436	.088	.440	4.964	.000
	VOL	-1.070	.895	-.163	-1.195	.237
	GO	2.493	.733	.429	3.401	.001

a. Dependent Variable: SM

Lampiran 9

Hasil Uji Heteroskedastisitas

Regression

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	GO, TANG, VOL, PROF, FS ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: abs_res

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-6.864	3.189		-2.152	.035
	PROF	-.171	.179	-.150	-.956	.343
	FS	1.842	1.080	.317	1.705	.093
	TANG	.069	.056	.148	1.225	.225
	VOL	.430	.573	.139	.751	.455
	GO	-.402	.469	-.147	-.856	.395

a. Dependent Variable: abs_res

Lampiran 10

Hasil Analisis Regresi Berganda

Regression

Descriptive Statistics

	Mean	Std. Deviation	N
SM	3.85032	2.522451	68
PROF	2.08013	1.038844	68
FS	3.80966	.203963	68
TANG	6.21176	2.542233	68
VOL	3.13456	.383231	68
GO	.90412	.433916	68

Correlations

		SM	PROF	FS	TANG	VOL	GO
Pearson Correlation	SM	1.000	-.210	.396	.378	.198	.228
	PROF	-.210	1.000	.287	-.191	.393	.647
	FS	.396	.287	1.000	-.209	.752	.513
	TANG	.378	-.191	-.209	1.000	-.154	-.162
	VOL	.198	.393	.752	-.154	1.000	.519
	GO	.228	.647	.513	-.162	.519	1.000
Sig. (1-tailed)	SM	.	.042	.000	.001	.053	.031
	PROF	.042	.	.009	.059	.000	.000
	FS	.000	.009	.	.043	.000	.000
	TANG	.001	.059	.043	.	.105	.093
	VOL	.053	.000	.000	.105	.	.000
	GO	.031	.000	.000	.093	.000	.
N	SM	68	68	68	68	68	68
	PROF	68	68	68	68	68	68
	FS	68	68	68	68	68	68
	TANG	68	68	68	68	68	68
	VOL	68	68	68	68	68	68
	GO	68	68	68	68	68	68

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	GO, TANG, VOL, PROF, FS ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: SM

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.738 ^a	.545	.509	1.768084

a. Predictors: (Constant), GO, TANG, VOL, PROF, FS

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	232.485	5	46.497	14.874	.000 ^a
	Residual	193.820	62	3.126		
	Total	426.305	67			

a. Predictors: (Constant), GO, TANG, VOL, PROF, FS

b. Dependent Variable: SM

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-20.278	4.986		-4.067	.000
	PROF	-1.194	.280	-.492	-4.261	.000
	FS	6.563	1.690	.531	3.884	.000
	TANG	.436	.088	.440	4.964	.000
	VOL	-1.070	.895	-.163	-1.195	.237
	GO	2.493	.733	.429	3.401	.001

a. Dependent Variable: SM

Lampiran 11

Nilai-nilai Distribusi t

df	α untuk uji satu pihak (<i>one tail test</i>)						
	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	α untuk uji dua pihak (<i>two tail test</i>)						
	0.50	0.20	0.10	0.05	0.02	0.01	0.002
1	1.0000	3.0777	6.3138	12.7062	31.8205	63.6567	318.3088
2	0.8165	1.8856	2.9200	4.3027	6.9646	9.9248	22.3271
3	0.7649	1.6377	2.3534	3.1825	4.5407	5.8409	10.2145
4	0.7407	1.5332	2.1319	2.7765	3.7470	4.6041	7.1732
5	0.7267	1.4759	2.0151	2.5706	3.3649	4.0321	5.8934
6	0.7176	1.4398	1.9432	2.4469	3.1427	3.7074	5.2076
7	0.7111	1.4149	1.8946	2.3646	2.9980	3.4995	4.7853
8	0.7064	1.3968	1.8596	2.3060	2.8965	3.3554	4.5008
9	0.7027	1.3830	1.8331	2.2622	2.8214	3.2498	4.2968
10	0.6998	1.3722	1.8125	2.2281	2.7638	3.1693	4.1437
11	0.6975	1.3634	1.7959	2.2010	2.7181	3.1058	4.0247
12	0.6955	1.3562	1.7823	2.1788	2.6810	3.0545	3.9296
13	0.6938	1.3502	1.7709	2.1604	2.6503	3.0123	3.8520
14	0.6924	1.3450	1.7613	2.1448	2.6245	2.9768	3.7874
15	0.6912	1.3406	1.7531	2.1315	2.6025	2.9467	3.7328
16	0.6901	1.3368	1.7459	2.1199	2.5835	2.9208	3.6862
17	0.6892	1.3334	1.7396	2.1098	2.5669	2.8982	3.6458
18	0.6884	1.3304	1.7341	2.1009	2.5524	2.8784	3.6105
19	0.6876	1.3277	1.7291	2.0930	2.5395	2.8609	3.5794
20	0.6870	1.3253	1.7247	2.0860	2.5280	2.8453	3.5518
21	0.6864	1.3232	1.7207	2.0796	2.5177	2.8314	3.5272
22	0.6858	1.3212	1.7171	2.0739	2.5083	2.8188	3.5050
23	0.6853	1.3195	1.7139	2.0687	2.4999	2.8073	3.4850
24	0.6849	1.3178	1.7109	2.0639	2.4922	2.7969	3.4668
25	0.6844	1.3164	1.7081	2.0595	2.4851	2.7874	3.4502
26	0.6840	1.3150	1.7056	2.0555	2.4786	2.7787	3.4350
27	0.6837	1.3137	1.7033	2.0518	2.4727	2.7707	3.4210
28	0.6834	1.3125	1.7011	2.0484	2.4671	2.7633	3.4082
29	0.6830	1.3114	1.6991	2.0452	2.4620	2.7564	3.3962

30	0.6828	1.3104	1.6973	2.0423	2.4573	2.7500	3.3852
31	0.6825	1.3095	1.6955	2.0395	2.4528	2.7440	3.3749
32	0.6822	1.3086	1.6939	2.0369	2.4487	2.7385	3.3653
33	0.6820	1.3077	1.6924	2.0345	2.4448	2.7333	3.3563
34	0.6818	1.3070	1.6909	2.0322	2.4412	2.7284	3.3479
35	0.6816	1.3062	1.6896	2.0301	2.4377	2.7238	3.3401
36	0.6814	1.3055	1.6883	2.0281	2.4345	2.7195	3.3326
37	0.6812	1.3049	1.6871	2.0262	2.4315	2.7154	3.3256
38	0.6810	1.3042	1.6860	2.0244	2.4286	2.7116	3.3190
39	0.6808	1.3036	1.6849	2.0227	2.4258	2.7079	3.3128
40	0.6807	1.3031	1.6839	2.0211	2.4233	2.7045	3.3069
41	0.6805	1.3025	1.6829	2.0195	2.4208	2.7012	3.3013
42	0.6804	1.3020	1.6820	2.0181	2.4185	2.6981	3.2960
43	0.6802	1.3016	1.6811	2.0167	2.4163	2.6951	3.2909
44	0.6801	1.3011	1.6802	2.0154	2.4141	2.6923	3.2861
45	0.6800	1.3007	1.6794	2.0141	2.4121	2.6896	3.2815
46	0.6799	1.3002	1.6787	2.0129	2.4102	2.6870	3.2771
47	0.6798	1.2998	1.6779	2.0117	2.4084	2.6846	3.2729
48	0.6796	1.2994	1.6772	2.0106	2.4066	2.6822	3.2689
49	0.6795	1.2991	1.6766	2.0096	2.4049	2.6800	3.2651
50	0.6794	1.2987	1.6759	2.0086	2.4033	2.6778	3.2614
51	0.6793	1.2984	1.6753	2.0076	2.4017	2.6757	3.2579
52	0.6792	1.2981	1.6747	2.0067	2.4002	2.6737	3.2545
53	0.6792	1.2977	1.6741	2.0058	2.3988	2.6718	3.2513
54	0.6791	1.2974	1.6736	2.0049	2.3974	2.6700	3.2482
55	0.6790	1.2971	1.6730	2.0040	2.3961	2.6682	3.2452
56	0.6789	1.2969	1.6725	2.0032	2.3948	2.6665	3.2423
57	0.6788	1.2966	1.6720	2.0025	2.3936	2.6649	3.2395
58	0.6787	1.2963	1.6716	2.0017	2.3924	2.6633	3.2368
59	0.6787	1.2961	1.6711	2.0010	2.3912	2.6618	3.2342
60	0.6786	1.2958	1.6707	2.0003	2.3901	2.6603	3.2317
61	0.6785	1.2956	1.6702	1.9996	2.3891	2.6589	3.2293
62	0.6785	1.2954	1.6698	1.9990	2.3880	2.6575	3.2270
63	0.6784	1.2951	1.6694	1.9983	2.3870	2.6562	3.2247
64	0.6783	1.2949	1.6690	1.9977	2.3860	2.6549	3.2225
65	0.6783	1.2947	1.6686	1.9971	2.3851	2.6536	3.2204
66	0.6782	1.2945	1.6683	1.9966	2.3842	2.6524	3.2184

67	0.6782	1.2943	1.6679	1.9960	2.3833	2.6512	3.2164
68	0.6781	1.2941	1.6676	1.9955	2.3825	2.6501	3.2145
69	0.6781	1.2939	1.6672	1.9950	2.3816	2.6490	3.2126
70	0.6780	1.2938	1.6669	1.9944	2.3808	2.6479	3.2108
71	0.6780	1.2936	1.6666	1.9939	2.3800	2.6469	3.2090
72	0.6779	1.2934	1.6663	1.9935	2.3793	2.6459	3.2073
73	0.6779	1.2933	1.6660	1.9930	2.3785	2.6449	3.2057
74	0.6778	1.2931	1.6657	1.9925	2.3778	2.6439	3.2041
75	0.6778	1.2929	1.6654	1.9921	2.3771	2.6430	3.2025
76	0.6777	1.2928	1.6652	1.9917	2.3764	2.6421	3.2010
77	0.6777	1.2926	1.6649	1.9913	2.3758	2.6412	3.1995
78	0.6777	1.2925	1.6646	1.9909	2.3751	2.6403	3.1980
79	0.6776	1.2924	1.6644	1.9905	2.3745	2.6395	3.1966
80	0.6776	1.2922	1.6641	1.9901	2.3739	2.6387	3.1953
81	0.6775	1.2921	1.6639	1.9897	2.3733	2.6379	3.1939
82	0.6775	1.2920	1.6637	1.9893	2.3727	2.6371	3.1926
83	0.6775	1.2918	1.6634	1.9890	2.3721	2.6364	3.1914
84	0.6774	1.2917	1.6632	1.9886	2.3716	2.6356	3.1901
85	0.6774	1.2916	1.6630	1.9883	2.3710	2.6349	3.1889
86	0.6774	1.2915	1.6628	1.9879	2.3705	2.6342	3.1877
87	0.6773	1.2914	1.6626	1.9876	2.3700	2.6335	3.1866
88	0.6773	1.2913	1.6624	1.9873	2.3695	2.6329	3.1854
89	0.6773	1.2911	1.6622	1.9870	2.3690	2.6322	3.1843
90	0.6772	1.2910	1.6620	1.9867	2.3685	2.6316	3.1833
91	0.6772	1.2909	1.6618	1.9864	2.3680	2.6309	3.1822
92	0.6772	1.2908	1.6616	1.9861	2.3676	2.6303	3.1812
93	0.6771	1.2907	1.6614	1.9858	2.3671	2.6297	3.1802
94	0.6771	1.2906	1.6612	1.9855	2.3667	2.6292	3.1792
95	0.6771	1.2905	1.6611	1.9853	2.3662	2.6286	3.1783
96	0.6771	1.2904	1.6609	1.9850	2.3658	2.6280	3.1773
97	0.6770	1.2903	1.6607	1.9847	2.3654	2.6275	3.1764
98	0.6770	1.2903	1.6606	1.9845	2.3650	2.6269	3.1755
99	0.6770	1.2902	1.6604	1.9842	2.3646	2.6264	3.1746
100	0.6770	1.2901	1.6602	1.9840	2.3642	2.6259	3.1737

Lampiran 12

Nilai-nilai Distribusi F untuk Probabilitas 0,05

df Penyebut (N2)	df Pembilang (N1)							
	1	2	3	4	5	6	7	8
1	161.448	199.500	215.707	224.583	230.162	233.986	236.768	238.883
2	18.5128	19.0000	19.1643	19.2468	19.2964	19.3295	19.3532	19.3710
3	10.1280	9.5521	9.2766	9.1172	9.0135	8.9406	8.8867	8.8452
4	7.7086	6.9443	6.5914	6.3882	6.2561	6.1631	6.0942	6.0410
5	6.6079	5.7861	5.4095	5.1922	5.0503	4.9503	4.8759	4.8183
6	5.9874	5.1433	4.7571	4.5337	4.3874	4.2839	4.2067	4.1468
7	5.5914	4.7374	4.3468	4.1203	3.9715	3.8660	3.7870	3.7257
8	5.3177	4.4590	4.0662	3.8379	3.6875	3.5806	3.5005	3.4381
9	5.1174	4.2565	3.8625	3.6331	3.4817	3.3738	3.2927	3.2296
10	4.9646	4.1028	3.7083	3.4780	3.3258	3.2172	3.1355	3.0717
11	4.8443	3.9823	3.5874	3.3567	3.2039	3.0946	3.0123	2.9480
12	4.7472	3.8853	3.4903	3.2592	3.1059	2.9961	2.9134	2.8486
13	4.6672	3.8056	3.4105	3.1791	3.0254	2.9153	2.8321	2.7669
14	4.6001	3.7389	3.3439	3.1122	2.9582	2.8477	2.7642	2.6987
15	4.5431	3.6823	3.2874	3.0556	2.9013	2.7905	2.7066	2.6408
16	4.4940	3.6337	3.2389	3.0069	2.8524	2.7413	2.6572	2.5911
17	4.4513	3.5915	3.1968	2.9647	2.8100	2.6987	2.6143	2.5480
18	4.4139	3.5546	3.1599	2.9277	2.7729	2.6613	2.5767	2.5102
19	4.3807	3.5219	3.1274	2.8951	2.7401	2.6283	2.5435	2.4768
20	4.3512	3.4928	3.0984	2.8661	2.7109	2.5990	2.5140	2.4471
21	4.3248	3.4668	3.0725	2.8401	2.6848	2.5727	2.4876	2.4205
22	4.3009	3.4434	3.0491	2.8167	2.6613	2.5491	2.4638	2.3965
23	4.2793	3.4221	3.0280	2.7955	2.6400	2.5277	2.4422	2.3748
24	4.2597	3.4028	3.0088	2.7763	2.6207	2.5082	2.4226	2.3551
25	4.2417	3.3852	2.9912	2.7587	2.6030	2.4904	2.4047	2.3371
26	4.2252	3.3690	2.9752	2.7426	2.5868	2.4741	2.3883	2.3205
27	4.2100	3.3541	2.9604	2.7278	2.5719	2.4591	2.3732	2.3053
28	4.1960	3.3404	2.9467	2.7141	2.5581	2.4453	2.3593	2.2913
29	4.1830	3.3277	2.9340	2.7014	2.5454	2.4324	2.3463	2.2783
30	4.1709	3.3158	2.9223	2.6896	2.5336	2.4205	2.3343	2.2662
31	4.1596	3.3048	2.9113	2.6787	2.5225	2.4094	2.3232	2.2549

32	4.1491	3.2945	2.9011	2.6684	2.5123	2.3991	2.3127	2.2444
33	4.1393	3.2849	2.8916	2.6589	2.5026	2.3894	2.3030	2.2346
34	4.1300	3.2759	2.8826	2.6499	2.4936	2.3803	2.2938	2.2253
35	4.1213	3.2674	2.8742	2.6415	2.4851	2.3718	2.2852	2.2167
36	4.1132	3.2594	2.8663	2.6335	2.4772	2.3638	2.2771	2.2085
37	4.1055	3.2519	2.8588	2.6261	2.4696	2.3562	2.2695	2.2008
38	4.0982	3.2448	2.8517	2.6190	2.4625	2.3490	2.2623	2.1936
39	4.0913	3.2381	2.8451	2.6123	2.4558	2.3423	2.2555	2.1867
40	4.0847	3.2317	2.8387	2.6060	2.4495	2.3359	2.2490	2.1802
41	4.0785	3.2257	2.8327	2.6000	2.4434	2.3298	2.2429	2.1740
42	4.0727	3.2199	2.8270	2.5943	2.4377	2.3240	2.2371	2.1681
43	4.0670	3.2145	2.8216	2.5888	2.4322	2.3185	2.2315	2.1625
44	4.0617	3.2093	2.8165	2.5837	2.4270	2.3133	2.2263	2.1572
45	4.0566	3.2043	2.8115	2.5787	2.4221	2.3083	2.2212	2.1521
46	4.0517	3.1996	2.8068	2.5740	2.4174	2.3035	2.2164	2.1473
47	4.0471	3.1951	2.8024	2.5695	2.4128	2.2990	2.2118	2.1427
48	4.0427	3.1907	2.7981	2.5652	2.4085	2.2946	2.2074	2.1382
49	4.0384	3.1866	2.7939	2.5611	2.4044	2.2904	2.2032	2.1340
50	4.0343	3.1826	2.7900	2.5572	2.4004	2.2864	2.1992	2.1299
51	4.0304	3.1788	2.7862	2.5534	2.3966	2.2826	2.1953	2.1260
52	4.0266	3.1751	2.7826	2.5498	2.3930	2.2789	2.1916	2.1223
53	4.0230	3.1716	2.7791	2.5463	2.3894	2.2754	2.1881	2.1187
54	4.0195	3.1682	2.7758	2.5429	2.3861	2.2720	2.1846	2.1152
55	4.0162	3.1650	2.7725	2.5397	2.3828	2.2687	2.1813	2.1119
56	4.0130	3.1619	2.7694	2.5366	2.3797	2.2656	2.1782	2.1087
57	4.0099	3.1588	2.7664	2.5336	2.3767	2.2625	2.1751	2.1056
58	4.0069	3.1559	2.7636	2.5307	2.3738	2.2596	2.1721	2.1026
59	4.0040	3.1531	2.7608	2.5279	2.3710	2.2568	2.1693	2.0997
60	4.0012	3.1504	2.7581	2.5252	2.3683	2.2541	2.1665	2.0970
61	3.9985	3.1478	2.7555	2.5226	2.3657	2.2514	2.1639	2.0943
62	3.9959	3.1453	2.7530	2.5201	2.3631	2.2489	2.1613	2.0917
63	3.9934	3.1428	2.7505	2.5177	2.3607	2.2464	2.1588	2.0892
64	3.9909	3.1404	2.7482	2.5153	2.3583	2.2440	2.1564	2.0868
65	3.9886	3.1381	2.7459	2.5130	2.3560	2.2417	2.1541	2.0844
66	3.9863	3.1359	2.7437	2.5108	2.3538	2.2395	2.1518	2.0821
67	3.9840	3.1338	2.7416	2.5087	2.3517	2.2373	2.1497	2.0799
68	3.9819	3.1317	2.7395	2.5066	2.3496	2.2352	2.1475	2.0778

69	3.9798	3.1296	2.7375	2.5046	2.3475	2.2332	2.1455	2.0757
70	3.9778	3.1277	2.7355	2.5027	2.3456	2.2312	2.1435	2.0737
71	3.9758	3.1258	2.7336	2.5008	2.3437	2.2293	2.1415	2.0717
72	3.9739	3.1239	2.7318	2.4989	2.3418	2.2274	2.1397	2.0698
73	3.9720	3.1221	2.7300	2.4971	2.3400	2.2256	2.1378	2.0680
74	3.9702	3.1203	2.7283	2.4954	2.3383	2.2238	2.1360	2.0662
75	3.9685	3.1186	2.7266	2.4937	2.3366	2.2221	2.1343	2.0644
76	3.9668	3.1170	2.7249	2.4920	2.3349	2.2204	2.1326	2.0627
77	3.9651	3.1154	2.7233	2.4904	2.3333	2.2188	2.1310	2.0611
78	3.9635	3.1138	2.7218	2.4889	2.3317	2.2172	2.1294	2.0595
79	3.9619	3.1123	2.7203	2.4874	2.3302	2.2157	2.1278	2.0579
80	3.9604	3.1108	2.7188	2.4859	2.3287	2.2142	2.1263	2.0564
81	3.9589	3.1093	2.7173	2.4844	2.3273	2.2127	2.1248	2.0549
82	3.9574	3.1079	2.7159	2.4830	2.3259	2.2113	2.1234	2.0534
83	3.9560	3.1065	2.7146	2.4817	2.3245	2.2099	2.1220	2.0520
84	3.9546	3.1052	2.7132	2.4803	2.3231	2.2086	2.1206	2.0506
85	3.9532	3.1038	2.7119	2.4790	2.3218	2.2072	2.1193	2.0493
86	3.9519	3.1026	2.7106	2.4777	2.3205	2.2059	2.1180	2.0480
87	3.9506	3.1013	2.7094	2.4765	2.3193	2.2047	2.1167	2.0467
88	3.9493	3.1001	2.7082	2.4753	2.3181	2.2034	2.1155	2.0454
89	3.9481	3.0989	2.7070	2.4741	2.3169	2.2022	2.1143	2.0442
90	3.9469	3.0977	2.7058	2.4729	2.3157	2.2011	2.1131	2.0430
91	3.9457	3.0966	2.7047	2.4718	2.3145	2.1999	2.1119	2.0418
92	3.9445	3.0954	2.7036	2.4707	2.3134	2.1988	2.1108	2.0407
93	3.9434	3.0943	2.7025	2.4696	2.3123	2.1977	2.1097	2.0395
94	3.9423	3.0933	2.7014	2.4685	2.3113	2.1966	2.1086	2.0384
95	3.9412	3.0922	2.7004	2.4675	2.3102	2.1955	2.1075	2.0374
96	3.9402	3.0912	2.6994	2.4665	2.3092	2.1945	2.1065	2.0363
97	3.9391	3.0902	2.6984	2.4655	2.3082	2.1935	2.1054	2.0353
98	3.9381	3.0892	2.6974	2.4645	2.3072	2.1925	2.1044	2.0343
99	3.9371	3.0882	2.6965	2.4636	2.3063	2.1915	2.1035	2.0333
100	3.9361	3.0873	2.6955	2.4626	2.3053	2.1906	2.1025	2.0323

Lampiran 13

Nilai Durbin-Watson (Tingkat Signifikansi 95%)

n	k=3		k=4		k=5		k=6	
	dL	dU	dL	dU	dL	dU	dL	dU
8	0.3674	2.2866						
9	0.4548	2.1282	0.2957	2.5881				
10	0.5253	2.0163	0.3760	2.4137	0.2427	2.8217		
11	0.5948	1.9280	0.4441	2.2833	0.3155	2.6446	0.2025	3.0045
12	0.6577	1.8640	0.5120	2.1766	0.3796	2.5061	0.2681	2.8320
13	0.7147	1.8159	0.5745	2.0943	0.4445	2.3897	0.3278	2.6920
14	0.7667	1.7788	0.6321	2.0296	0.5052	2.2959	0.3890	2.5716
15	0.8140	1.7501	0.6852	1.9774	0.5620	2.2198	0.4471	2.4715
16	0.8572	1.7277	0.7340	1.9351	0.6150	2.1567	0.5022	2.3881
17	0.8968	1.7101	0.7790	1.9005	0.6641	2.1041	0.5542	2.3176
18	0.9331	1.6961	0.8204	1.8719	0.7098	2.0600	0.6030	2.2575
19	0.9666	1.6851	0.8588	1.8482	0.7523	2.0226	0.6487	2.2061
20	0.9976	1.6763	0.8943	1.8283	0.7918	1.9908	0.6915	2.1619
21	1.0262	1.6694	0.9272	1.8116	0.8286	1.9635	0.7315	2.1236
22	1.0529	1.6640	0.9578	1.7974	0.8629	1.9400	0.7690	2.0902
23	1.0778	1.6597	0.9864	1.7855	0.8949	1.9196	0.8041	2.0609
24	1.1010	1.6565	1.0131	1.7753	0.9249	1.9018	0.8371	2.0352
25	1.1228	1.6540	1.0381	1.7666	0.9530	1.8863	0.8680	2.0125
26	1.1432	1.6523	1.0616	1.7591	0.9794	1.8727	0.8972	1.9924
27	1.1624	1.6510	1.0836	1.7527	1.0042	1.8608	0.9246	1.9745
28	1.1805	1.6503	1.1044	1.7473	1.0276	1.8502	0.9505	1.9585
29	1.1976	1.6499	1.1241	1.7426	1.0497	1.8409	0.9750	1.9442
30	1.2138	1.6498	1.1426	1.7386	1.0706	1.8326	0.9982	1.9313
31	1.2292	1.6500	1.1602	1.7352	1.0904	1.8252	1.0201	1.9198
32	1.2437	1.6505	1.1769	1.7323	1.1092	1.8187	1.0409	1.9093
33	1.2576	1.6511	1.1927	1.7298	1.1270	1.8128	1.0607	1.8999
34	1.2707	1.6519	1.2078	1.7277	1.1439	1.8076	1.0794	1.8913
35	1.2833	1.6528	1.2221	1.7259	1.1601	1.8029	1.0974	1.8835
36	1.2953	1.6539	1.2358	1.7245	1.1755	1.7987	1.1144	1.8764
37	1.3068	1.6550	1.2489	1.7233	1.1901	1.7950	1.1307	1.8700
38	1.3177	1.6563	1.2614	1.7223	1.2042	1.7916	1.1463	1.8641

39	1.3283	1.6575	1.2734	1.7215	1.2176	1.7886	1.1612	1.8587
40	1.3384	1.6589	1.2848	1.7209	1.2305	1.7859	1.1754	1.8538
41	1.3480	1.6603	1.2958	1.7205	1.2428	1.7835	1.1891	1.8493
42	1.3573	1.6617	1.3064	1.7202	1.2546	1.7814	1.2022	1.8451
43	1.3663	1.6632	1.3166	1.7200	1.2660	1.7794	1.2148	1.8413
44	1.3749	1.6647	1.3263	1.7200	1.2769	1.7777	1.2269	1.8378
45	1.3832	1.6662	1.3357	1.7200	1.2874	1.7762	1.2385	1.8346
46	1.3912	1.6677	1.3448	1.7201	1.2976	1.7748	1.2497	1.8317
47	1.3989	1.6692	1.3535	1.7203	1.3073	1.7736	1.2605	1.8290
48	1.4064	1.6708	1.3619	1.7206	1.3167	1.7725	1.2709	1.8265
49	1.4136	1.6723	1.3701	1.7210	1.3258	1.7716	1.2809	1.8242
50	1.4206	1.6739	1.3779	1.7214	1.3346	1.7708	1.2906	1.8220
51	1.4273	1.6754	1.3855	1.7218	1.3431	1.7701	1.3000	1.8201
52	1.4339	1.6769	1.3929	1.7223	1.3512	1.7694	1.3090	1.8183
53	1.4402	1.6785	1.4000	1.7228	1.3592	1.7689	1.3177	1.8166
54	1.4464	1.6800	1.4069	1.7234	1.3669	1.7684	1.3262	1.8151
55	1.4523	1.6815	1.4136	1.7240	1.3743	1.7681	1.3344	1.8137
56	1.4581	1.6830	1.4201	1.7246	1.3815	1.7678	1.3424	1.8124
57	1.4637	1.6845	1.4264	1.7253	1.3885	1.7675	1.3501	1.8112
58	1.4692	1.6860	1.4325	1.7259	1.3953	1.7673	1.3576	1.8101
59	1.4745	1.6875	1.4385	1.7266	1.4019	1.7672	1.3648	1.8091
60	1.4797	1.6889	1.4443	1.7274	1.4083	1.7671	1.3719	1.8082
61	1.4847	1.6904	1.4499	1.7281	1.4146	1.7671	1.3787	1.8073
62	1.4896	1.6918	1.4554	1.7288	1.4206	1.7671	1.3854	1.8066
63	1.4943	1.6932	1.4607	1.7296	1.4265	1.7671	1.3918	1.8058
64	1.4990	1.6946	1.4659	1.7303	1.4322	1.7672	1.3981	1.8052
65	1.5035	1.6960	1.4709	1.7311	1.4378	1.7673	1.4043	1.8046
66	1.5079	1.6974	1.4758	1.7319	1.4433	1.7675	1.4102	1.8041
67	1.5122	1.6988	1.4806	1.7327	1.4486	1.7676	1.4160	1.8036
68	1.5164	1.7001	1.4853	1.7335	1.4537	1.7678	1.4217	1.8032
69	1.5205	1.7015	1.4899	1.7343	1.4588	1.7680	1.4272	1.8028
70	1.5245	1.7028	1.4943	1.7351	1.4637	1.7683	1.4326	1.8025
71	1.5284	1.7041	1.4987	1.7358	1.4685	1.7685	1.4379	1.8021
72	1.5323	1.7054	1.5029	1.7366	1.4732	1.7688	1.4430	1.8019
73	1.5360	1.7067	1.5071	1.7375	1.4778	1.7691	1.4480	1.8016
74	1.5397	1.7079	1.5112	1.7383	1.4822	1.7694	1.4529	1.8014
75	1.5432	1.7092	1.5151	1.7390	1.4866	1.7698	1.4577	1.8013

76	1.5467	1.7104	1.5190	1.7399	1.4909	1.7701	1.4623	1.8011
77	1.5502	1.7117	1.5228	1.7407	1.4950	1.7704	1.4669	1.8010
78	1.5535	1.7129	1.5265	1.7415	1.4991	1.7708	1.4714	1.8009
79	1.5568	1.7141	1.5302	1.7423	1.5031	1.7712	1.4757	1.8009
80	1.5600	1.7153	1.5337	1.7430	1.5070	1.7716	1.4800	1.8008
81	1.5632	1.7164	1.5372	1.7438	1.5109	1.7720	1.4842	1.8008
82	1.5663	1.7176	1.5406	1.7446	1.5146	1.7724	1.4883	1.8008
83	1.5693	1.7187	1.5440	1.7454	1.5183	1.7728	1.4923	1.8008
84	1.5723	1.7199	1.5472	1.7462	1.5219	1.7732	1.4962	1.8008
85	1.5752	1.7210	1.5505	1.7470	1.5254	1.7736	1.5000	1.8009
86	1.5780	1.7221	1.5536	1.7478	1.5289	1.7740	1.5038	1.8010
87	1.5808	1.7232	1.5567	1.7485	1.5322	1.7745	1.5075	1.8010
88	1.5836	1.7243	1.5597	1.7493	1.5356	1.7749	1.5111	1.8011
89	1.5863	1.7254	1.5627	1.7501	1.5388	1.7754	1.5147	1.8012
90	1.5889	1.7264	1.5656	1.7508	1.5420	1.7758	1.5181	1.8014
91	1.5915	1.7275	1.5685	1.7516	1.5452	1.7763	1.5215	1.8015
92	1.5941	1.7285	1.5713	1.7523	1.5482	1.7767	1.5249	1.8016
93	1.5966	1.7295	1.5741	1.7531	1.5513	1.7772	1.5282	1.8018
94	1.5991	1.7306	1.5768	1.7538	1.5542	1.7776	1.5314	1.8019
95	1.6015	1.7316	1.5795	1.7546	1.5572	1.7781	1.5346	1.8021
96	1.6039	1.7326	1.5821	1.7553	1.5600	1.7785	1.5377	1.8023
97	1.6063	1.7335	1.5847	1.7560	1.5628	1.7790	1.5407	1.8025
98	1.6086	1.7345	1.5872	1.7567	1.5656	1.7795	1.5437	1.8027
99	1.6108	1.7355	1.5897	1.7575	1.5683	1.7799	1.5467	1.8029
100	1.6131	1.7364	1.5922	1.7582	1.5710	1.7804	1.5496	1.8031