

LAMPIRAN-LAMPIRAN

Lampiran 1
Daftar Populasi

No	Nama Perusahaan	Kode
1	Akasha wira international Tbk	ADES
2	Tiga Pilar Sejahtera Food Tbk	AISA
3	Tri Bayan Tirta Tbk	ALTO
4	Bumi Teknokultura Unggul Tbk	BTEK
5	Budi starch & sweetener Tbk	BUDI
6	Campina Ice Cream Industry Tbk	CAMP
7	Wilmar cahaya indonesia Tbk	CEKA
8	Sariguna Primatirta Tbk	CLEO
9	Delta djakarta Tbk	DLTA
10	Garudafood Putra Putri Jaya Tbk	GOOD
11	Buyung Poetra Sembada Tbk	HOKI
12	Indofood CBP Sukses Makmur Tbk	ICBP
13	Inti Agri Resources	IIKP
14	Indofood Sukses Makmur	INDF
15	Magna Investama Mandiri Tbk	MGNA
16	Multi bintang indonesia	MLBI
17	Mayora Indah	MYOR
18	Pratama Abadi Nusa Industry Tbk	PANI
19	Prima Cakrawala Abadi Tbk	PCAR
20	Prasidha Aneka Niaga Tbk	PSDN
21	Nippon Indosari Corpindo	ROTI
22	Sekar bumi	SKBM
23	Sekar laut	SKLT
24	Siantar Top	STTP
25	Ultra Jaya Milk Industry & Trading Company	ULTJ

Sumber : (Edusaham.com, 2018)

Lampiran 2
Hasil Perhitungan Ukuran Perusahaan

Ukuran Perusahaan = Log natural Total Ativa

KODE	TAHUN	TOTAL AKTIVA	LOGN TOTAL AKTIVA
INDF	2012	17.819.884	16,696
MYOR		8.302.506.241.903	29,748
PSDN		682.611.125.989	27,249
SKBM		288.961.557.631	26,390
ULTJ		2.420.793.382.029	28,515
SKLT		249.746.467.756	26,244
INDF	2013	21.267.470	16,873
MYOR		9.712.968.922.685	29,904
PSDN		681.832.333.141	27,248
SKBM		497.652.557.672	26,933
ULTJ		2.811.620.982.142	28,665
SKLT		301.989.488.699	26,434
INDF	2014	86.077.251	18,271
MYOR		10.297.997.020.540	29,963
PSDN		622.508.294.824	27,157
SKBM		652.976.510.619	27,205
ULTJ		2.918.133.278	21,794
SKLT		336.932.338.819	26,543
INDF	2015	91.831.526	18,335
MYOR		11.342.715.686.221	30,060
PSDN		620.398.854.182	27,154
SKBM		764.484.248.710	27,362
ULTJ		3.539.995.910.248	28,895
SKLT		377.110.748.359	26,656
INDF	2016	82.174.515	18,224
MYOR		12.922.421.859.142	30,190
PSDN		653.796.725.408	27,206
SKBM		1.001.657.012.004	27,633
ULTJ		4.239.199.641.365	29,075
SKLT		568.239.939.951	27,066
INDF	2017	87.939.488	18,292
MYOR		14.915.849.800.251	30,333
PSDN		691.014.455.523	27,261
SKBM		1.623.027.475.045	28,115
ULTJ		5.175.896.000.000	29,275

SKLT		636.284.210.210	27,179
INDF	2018	96.537.796	18,385
MYOR		17.591.706.426.634	30,498
PSDN		697.657.400.651	27,271
SKBM		1.771.365.972.009	28,203
ULTJ		5.555.871.000.000	29,346
SKLT		747.000.000.000	27,339

Lampiran 3
Hasil Perhitungan Kepemilikan Manajerial

$$\text{Kepemilikan Manajerial} = \frac{\text{Jumlah Saham Manajerial}}{\text{Jumlah Saham Beredar}} \times 100\%$$

KODE	TAHUN	JUMLAH SAHAM MANAJERIAL	JUMLAH SAHAM BEREDAR	JUMLAH SAHAM MANAJERIAL / JUMLAH SAHAM BEREDAR X 100%
INDF	2012	1.135.115.000	5.830.954.000	0,195
MYOR		1.800.000.000	766.584.000	2,348
PSDN		23.786.000	1.440.000.000	0,017
SKBM		150.522.785	851.391.894	0,177
ULTJ		519.055.500	2.888.382.000	0,180
SKLT		864.000	690.740.500	0,001
INDF	2013	1.135.115.000	5.830.954.000	0,195
MYOR		1.800.000.000	894.347.989	2,013
PSDN		23.786.000	1.440.000.000	0,017
SKBM		14.908.700	865.736.394	0,017
ULTJ		514.055.500	2.888.382.000	0,178
SKLT		864.000	690.740.500	0,001
INDF	2014	1.380.020	8.780.426.500	0,000
MYOR		1.800.000.000	894.347.989	2,013
PSDN		20.051.000	1.440.000.000	0,014
SKBM		29.253.200	936.530.894	0,031
ULTJ		516.776.500	2.888.382.000	0,179
SKLT		1.669.640	690.740.500	0,002
INDF	2015	1.380.020	8.780.426.500	0,000
MYOR		1.800.000.000	899.347.989	2,001
PSDN		20.051.000	1.440.000.000	0,014
SKBM		29.036.200	936.530.894	0,031
ULTJ		516.776.500	2.888.382.000	0,179
SKLT		1.669.640	690.740.500	0,002
INDF	2016	1.380.020	8.780.426.500	0,000
MYOR		5.638.834.400	22.358.699.725	0,252
PSDN		20.051.000	1.440.000.000	0,014
SKBM		38.087.991	936.530.894	0,041
ULTJ		516.776.500	2.888.382.000	0,179
SKLT		1.938.640	621.666.450	0,003
INDF	2017	1.380.020	8.780.426.500	0,000

MYOR		5.638.834.400	22.358.699.725	0,252
PSDN		65.984.333	1.440.000.000	0,046
SKBM		38.304.991	1.726.003.217	0,022
ULTJ		3.910.143.100	11.553.528.000	0,338
SKLT		4.603.391	690.740.500	0,007
INDF	2018	1.461.020	8.780.426.500	0,000
MYOR		5.638.834.400	22.358.699.725	0,252
PSDN		65.984.333	1.440.000.000	0,046
SKBM		38.304.991	1.726.003.217	0,022
ULTJ		3.986.948.900	11.553.528.000	0,345
SKLT		5.687.044	621.666.450	0,009

Lampiran 4
Hasil Perhitungan Kepemilikan Institusional

$$\text{Kepemilikan Institusional} = \frac{\text{Jumlah Saham Institusional}}{\text{Jumlah Saham Beredar}} \times 100\%$$

KODE	TAHUN	JUMLAH SAHAM INSTITUSI	JUMLAH SAHAM BEREDAR	<u>JUMLAH SAHAM INSTITUSIONAL</u> <u>JUMLAH SAHAM BEREDAR</u> X 100%
INDF	2012	4.695.839.000	5.830.954.000	0,805
MYOR		253.472.012	766.584.000	0,331
PSDN		1.038.121.210	1.440.000.000	0,721
SKBM		700.869.109	851.391.894	0,823
ULTJ		1.346.337.026	2.888.382.000	0,466
SKLT		663.740.500	690.740.500	0,961
INDF	2013	4.695.839.000	5.830.954.000	0,805
MYOR		295.717.347	894.347.989	0,331
PSDN		1.038.121.210	1.440.000.000	0,721
SKBM		700.548.609	865.736.394	0,809
ULTJ		1.345.697.026	2.888.382.000	0,466
SKLT		663.740.500	690.740.500	0,961
INDF	2014	4.396.103.450	8.780.426.500	0,501
MYOR		295.717.347	894.347.989	0,331
PSDN		1.038.121.210	1.440.000.000	0,721
SKBM		762.598.609	936.530.894	0,814
ULTJ		1.345.697.026	2.888.382.000	0,466
SKLT		663.740.500	690.740.500	0,961
INDF	2015	4.396.103.450	8.780.426.500	0,501
MYOR		295.717.347	894.347.989	0,331
PSDN		1.038.121.210	1.440.000.000	0,721
SKBM		753.815.809	936.530.894	0,805
ULTJ		1.285.697.026	2.888.382.000	0,445
SKLT		663.740.500	690.740.500	0,961
INDF	2016	4.396.103.450	8.780.426.500	0,501
MYOR		13.207.471.425	22.358.699.725	0,591
PSDN		1.059.527.210	1.440.000.000	0,736
SKBM		1.429.025.322	936.530.894	1,526
ULTJ		1.071.348.565	2.888.382.000	0,371
SKLT		577.115.000	621.666.450	0,928
INDF	2017	4.396.103.450	8.780.426.500	0,501
MYOR		13.207.471.425	22.358.699.725	0,591

PSDN		947.660.545	1.440.000.000	0,658
SKBM		1.429.025.322	1.726.003.217	0,828
ULTJ		4.258.588.260	11.553.528.000	0,369
SKLT		580.615.000	690.740.500	0,841
INDF	2018	4.396.103.450	8.780.426.500	0,501
MYOR		13.207.471.425	22.358.699.725	0,591
PSDN		947.660.545	1.440.000.000	0,658
SKBM		1.429.025.322	1.726.003.217	0,828
ULTJ		4.193.338.260	11.553.528.000	0,363
SKLT		580.615.000	621.666.450	0,934

Lampiran 5
Hasil Perhitungan Kepemilikan Keluarga

Variabel Dummy

Jumlah saham diatas 20% = 1, Jumlah saham dibawah 20% = 0

KODE	TAHUN	JUMLAH SAHAM KELUARGA	PROPORSI KEPEMILIKAN
INDF	2012	19,47%	0
MYOR		33,07%	1
PSDN		00,06%	0
SKBM		17,68%	0
ULTJ		17,97%	0
SKLT		0,12%	0
INDF	2013	19,47%	0
MYOR		20,12%	1
PSDN		0,06%	0
SKBM		1,41%	0
ULTJ		17,80%	0
SKLT		0,13%	0
INDF	2014	0,02%	0
MYOR		20,12%	1
PSDN		20,31%	1
SKBM		2,81%	0
ULTJ		17,89%	0
SKLT		2,40%	0
INDF	2015	0,02%	0
MYOR		20,01%	1
PSDN		20,31%	1
SKBM		2,81%	0
ULTJ		17,89%	0
SKLT		2,40%	0
INDF	2016	0,02%	0
MYOR		58,15%	1
PSDN		20,31%	1
SKBM		4,03%	0
ULTJ		17,89%	0
SKLT		3,10%	0
INDF	2017	0,02%	0
MYOR		58,15%	1
PSDN		23,50%	1

SKBM		2,20%	0
ULTJ		33,84%	1
SKLT		6,70%	0
INDF	2018	0,02%	0
MYOR		58,15%	1
PSDN		23,50%	1
SKBM		2,20%	0
ULTJ		34,51%	1
SKLT		9,10%	0

Lampiran 6
Hasil Perhitungan Biaya Utang

$$\text{Biaya Utang} = \frac{\text{Beban Bunga}}{\text{Rata – Rata Utang Jangka Panjang \& Pendek}}$$

KODE	TAHUN	BEBAN BUNGA	RATA-RATA UTANG JANGKA PANJANG & PENDEK	BEBAN BUNGA RATA2 UTANG JANGKA PANJANG & PENDEK
INDF	2012	50.525	2.917.762	0,017
MYOR		223.360.619.855	2.617.327.957.333	0,085
PSDN		16.575.618.730	136.516.917.080	0,121
SKBM		1.551.183.586	80.640.897.194	0,019
ULTJ		12.727.917.849	372.137.134.304	0,034
SKLT		3.081.039.186	60.131.953.404	0,051
INDF	2013	102.733	4.000.870	0,026
MYOR		256.841.148.674	2.910.479.826.376	0,088
PSDN		14.941.569.703	134.796.165.259	0,111
SKBM		9.674.723.390	148.264.171.581	0,065
ULTJ		7.601.363.214	398.237.224.028	0,019
SKLT		5.178.831.215	81.169.567.532	0,064
INDF	2014	1.628.172	22.901.527	0,071
MYOR		358.432.961.457	3.110.480.367.857	0,115
PSDN		11.364.790.558	125.392.509.804	0,091
SKBM		11.364.790.558	172.680.724.170	0,066
ULTJ		2.896.772.313	322.413.561.009	0,009
SKLT		6.627.654.733	99.818.286.874	0,066
INDF	2015	1.512.087	24.354.967	0,062
MYOR		378.651.540.837	3.074.127.879.517	0,123
PSDN		13.190.759.889	148.039.876.633	0,089
SKBM		14.405.013.302	210.198.404.526	0,069
ULTJ		2.314.561.135	371.245.108.163	0,006
SKLT		8.527.787.807	112.533.040.124	0,076
INDF	2016	1.578.453	19.116.546	0,083
MYOR		366.124.896.402	3.328.582.936.039	0,110
PSDN		15.157.877.076	186.755.692.513	0,081
SKBM		29.707.153.044	316.633.862.679	0,094
ULTJ		2.035.318.620	374.983.073.291	0,005
SKLT		8.758.342.493	136.044.322.040	0,064
INDF	2017	1.385.805	20.591.382	0,067

MYOR		386.922.167.017	3.780.751.717.090	0,102
PSDN		17.896.147.468	195.747.272.840	0,091
SKBM		32.022.866.095	299.895.007.323	0,107
ULTJ		1.500.000.000	489.092.500.000	0,003
SKLT		15.547.955.109	164.357.217.991	0,095
INDF	2018	1.523.170	23.310.498	0,065
MYOR		492.638.756.739	4.524.580.972.470	0,109
PSDN		19.950.687.078	227.380.135.499	0,088
SKBM		32.839.119.440	365.394.709.719	0,090
ULTJ		1.247.000.000	390.457.500.000	0,003
SKLT		17.548.989.760	204.000.000.000	0,086

Lampiran 7
Hasil Output SPSS 23

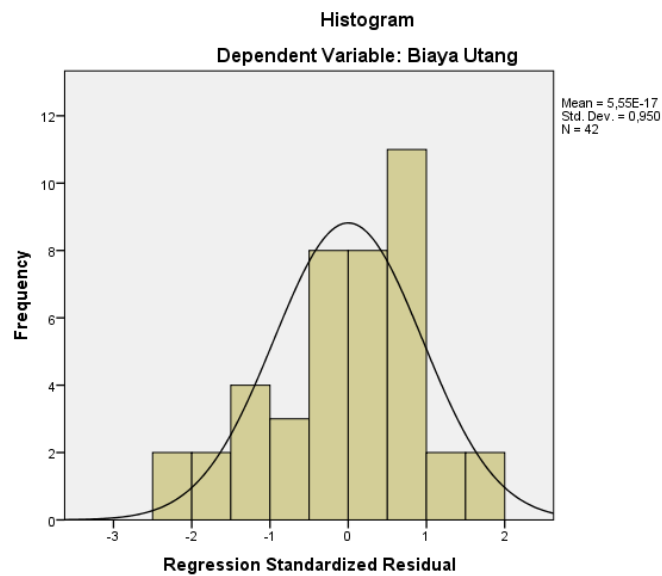
Hasil Statistik Deskriptif

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Ukuran Perusahaan	42	16,70	30,50	26,2187	4,08804
Kepemilikan Manajerial	42	,00	2,35	,2770	,60689
Kepemilikan Institusional	42	,33	1,53	,6684	,24648
Kepemilikan Keluarga	42	,00	1,00	,3333	,47712
Biaya Utang	42	,00	,12	,0687	,03551
Valid N (listwise)	42				

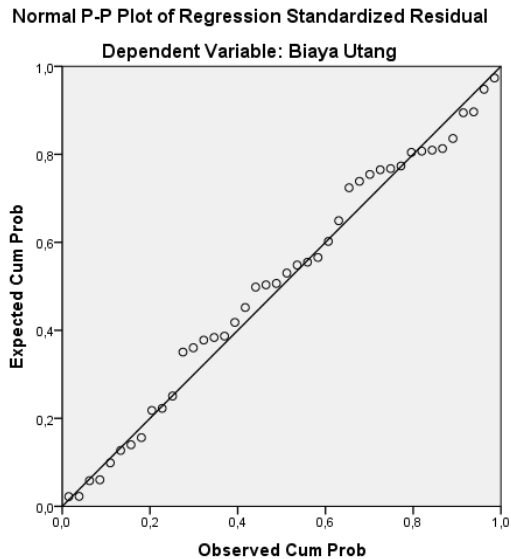
Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji Grafik Histogram



Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji Normalitas



Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		42
Normal Parameters ^{a,b}	Mean	,0000000
	Std. Deviation	,03040859
	Most Extreme Differences	
	Absolute	,091
	Positive	,056
	Negative	-,091
Test Statistic		,091
Asymp. Sig. (2-tailed)		,200 ^{c,d}

- Test distribution is Normal.
- Calculated from data.
- Lilliefors Significance Correction.
- This is a lower bound of the true significance.

Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji Multikolinearitas

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	,007	,037		,195	,846		
Ukuran Perusahaan	5,129 E-5	,001	,006	,035	,972	,706	1,417
Kepemilikan Manajerial	,016	,011	,276	1,523	,136	,602	1,662
Kepemilikan Institusional	,070	,025	,484	2,774	,009	,652	1,534
Kepemilikan Keluarga	,028	,014	,371	1,995	,053	,574	1,743

a. Dependent Variable: Biaya Utang
 Sumber : Data Sekunder yang Diolah (2019)

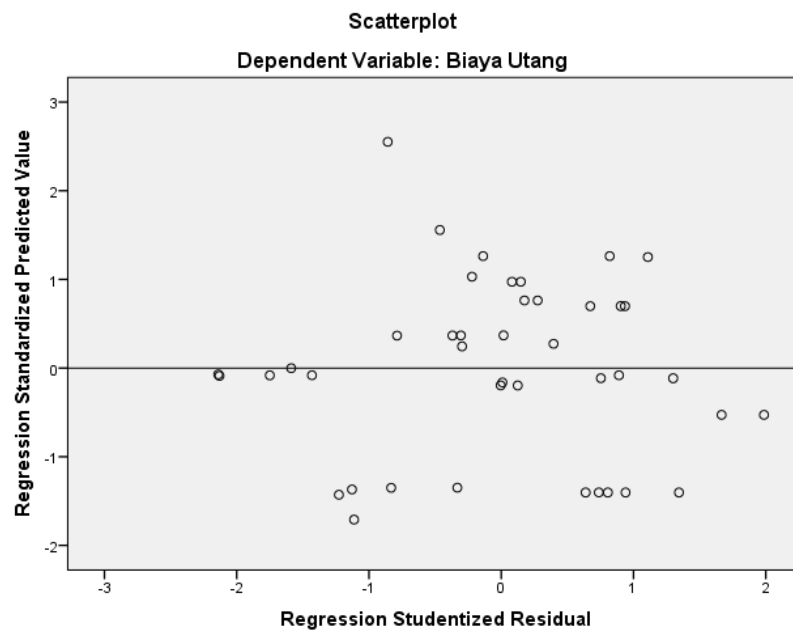
Hasil Uji Autokorelasi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,517 ^a	,267	,188	,03201	2,059

a. Predictors: (Constant), Kepemilikan Keluarga, Kepemilikan Institusional, Ukuran Perusahaan, Kepemilikan Manajerial
 b. Dependent Variable: Biaya Utang
 Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji Heteroskedastisitas



Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji Regresi Berganda

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	,007	,037		,195	,846
Ukuran Perusahaan	5,129E-5	,001	,006	,035	,972
Kepemilikan Manajerial	,016	,011	,276	1,523	,136
Kepemilikan Institusional	,070	,025	,484	2,774	,009
Kepemilikan Keluarga	,028	,014	,371	1,995	,053

a. Dependent Variable: Biaya Utang

Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji t (Uji Parsial)

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	,007	,037		,195	,846
Ukuran Perusahaan	5,129E-5	,001	,006	,035	,972
Kepemilikan Manajerial	,016	,011	,276	1,523	,136
Kepemilikan Institusional	,070	,025	,484	2,774	,009
Kepemilikan Keluarga	,028	,014	,371	1,995	,053

a. Dependent Variable: Biaya Utang

Sumber : Data Sekunder yang Diolah (2019)

Hasil Uji F (Uji Simultan)

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	,014	4	,003	3,367	,019 ^b
	Residual	,038	37	,001		
	Total	,052	41			

a. Dependent Variable: Biaya Utang

b. Predictors: (Constant), Kepemilikan Keluarga, Kepemilikan Institusional, Ukuran Perusahaan, Kepemilikan Manajerial

Sumber : Data Sekunder yang Diolah (2019)

Hasil Koefisien Determinasi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,517 ^a	,267	,188	,03201	2,059

a. Predictors: (Constant), Kepemilikan Keluarga, Kepemilikan Institusional, Ukuran Perusahaan, Kepemilikan Manajerial

b. Dependent Variable: Biaya Utang

Sumber : Data Sekunder yang Diolah (2019)

Lampiran 8
Tabel Uji t

Titik Presentasi Distribusi t (df=1-40)

df	Pr	0.25 0.50	0.10 0.20	0.05 0.10	0.025 0.050	0.01 0.02	0.005 0.010	0.001 0.002
1		1.00000	3.07768	6.31375	12.70620	31.82052	63.65674	318.30884
2		0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3		0.76489	1.63774	2.35336	3.18245	4.54070	5.84091	10.21453
4		0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5		0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6		0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7		0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.78529
8		0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9		0.70272	1.38303	1.83311	2.26216	2.82144	3.24984	4.29681
10		0.69981	1.37218	1.81246	2.22814	2.76377	3.16927	4.14370
11		0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.02470
12		0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	3.92963
13		0.69383	1.35017	1.77093	2.16037	2.65031	3.01228	3.85198
14		0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	3.78739
15		0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	3.73283
16		0.69013	1.33676	1.74588	2.11991	2.58349	2.92078	3.68615
17		0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.64577
18		0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.61048
19		0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.57940
20		0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.55181
21		0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.52715
22		0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.50499
23		0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.48496
24		0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.46678
25		0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.45019
26		0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.43500
27		0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.42103
28		0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.40816
29		0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.39624
30		0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.38518
31		0.68249	1.30946	1.69552	2.03951	2.45282	2.74404	3.37490
32		0.68223	1.30857	1.69389	2.03693	2.44868	2.73848	3.36531
33		0.68200	1.30774	1.69236	2.03452	2.44479	2.73328	3.35634
34		0.68177	1.30695	1.69092	2.03224	2.44115	2.72839	3.34793
35		0.68156	1.30621	1.68957	2.03011	2.43772	2.72381	3.34005
36		0.68137	1.30551	1.68830	2.02809	2.43449	2.71948	3.33262
37		0.68118	1.30485	1.68709	2.02619	2.43145	2.71541	3.32563
38		0.68100	1.30423	1.68595	2.02439	2.42857	2.71156	3.31903
39		0.68083	1.30364	1.68488	2.02269	2.42584	2.70791	3.31279
40		0.68067	1.30308	1.68385	2.02108	2.42326	2.70446	3.30688

Lampiran 9
Tabel Uji F Persentase Distribusi F untuk Probabilita = 0,05

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91

43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

Lampiran 10
Hasil Uji Durbin-Watson

n	k=1		k=2		k=3		k=4		k=5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
6	0.6102	1.4002								
7	0.6996	1.3564	0.4672	1.8964						
8	0.7629	1.3324	0.5591	1.7771	0.3674	2.2866				
9	0.8243	1.3199	0.6291	1.6993	0.4548	2.1282	0.2957	2.5881		
10	0.8791	1.3197	0.6972	1.6413	0.5253	2.0163	0.3760	2.4137	0.2427	2.8217
11	0.9273	1.3241	0.7580	1.6044	0.5948	1.9280	0.4441	2.2833	0.3155	2.6446
12	0.9708	1.3314	0.8122	1.5794	0.6577	1.8640	0.5120	2.1766	0.3796	2.5061
13	1.0097	1.3404	0.8612	1.5621	0.7147	1.8159	0.5745	2.0943	0.4445	2.3897
14	1.0450	1.3503	0.9054	1.5507	0.7667	1.7788	0.6321	2.0296	0.5052	2.2959
15	1.0770	1.3605	0.9455	1.5432	0.8140	1.7501	0.6852	1.9774	0.5620	2.2198
16	1.1062	1.3709	0.9820	1.5386	0.8572	1.7277	0.7340	1.9351	0.6150	2.1567
17	1.1330	1.3812	1.0154	1.5361	0.8968	1.7101	0.7790	1.9005	0.6641	2.1041
18	1.1576	1.3913	1.0461	1.5353	0.9331	1.6961	0.8204	1.8719	0.7098	2.0600
19	1.1804	1.4012	1.0743	1.5355	0.9666	1.6851	0.8588	1.8482	0.7523	2.0226
20	1.2015	1.4107	1.1004	1.5367	0.9976	1.6763	0.8943	1.8283	0.7918	1.9908
21	1.2212	1.4200	1.1246	1.5385	1.0262	1.6694	0.9272	1.8116	0.8286	1.9635
22	1.2395	1.4289	1.1471	1.5408	1.0529	1.6640	0.9578	1.7974	0.8629	1.9400
23	1.2567	1.4375	1.1682	1.5435	1.0778	1.6597	0.9864	1.7855	0.8949	1.9196
24	1.2728	1.4458	1.1878	1.5464	1.1010	1.6565	1.0131	1.7753	0.9249	1.9018
25	1.2879	1.4537	1.2063	1.5495	1.1228	1.6540	1.0381	1.7666	0.9530	1.8863
26	1.3022	1.4614	1.2236	1.5528	1.1432	1.6523	1.0616	1.7591	0.9794	1.8727
27	1.3157	1.4688	1.2399	1.5562	1.1624	1.6510	1.0836	1.7527	1.0042	1.8608
28	1.3284	1.4759	1.2553	1.5596	1.1805	1.6503	1.1044	1.7473	1.0276	1.8502
29	1.3405	1.4828	1.2699	1.5631	1.1976	1.6499	1.1241	1.7426	1.0497	1.8409
30	1.3520	1.4894	1.2837	1.5666	1.2138	1.6498	1.1426	1.7386	1.0706	1.8326
31	1.3630	1.4957	1.2969	1.5701	1.2292	1.6500	1.1602	1.7352	1.0904	1.8252
32	1.3734	1.5019	1.3093	1.5736	1.2437	1.6505	1.1769	1.7323	1.1092	1.8187
33	1.3834	1.5078	1.3212	1.5770	1.2576	1.6511	1.1927	1.7298	1.1270	1.8128
34	1.3929	1.5136	1.3325	1.5805	1.2707	1.6519	1.2078	1.7277	1.1439	1.8076
35	1.4019	1.5191	1.3433	1.5838	1.2833	1.6528	1.2221	1.7259	1.1601	1.8029
36	1.4107	1.5245	1.3537	1.5872	1.2953	1.6539	1.2358	1.7245	1.1755	1.7987
37	1.4190	1.5297	1.3635	1.5904	1.3068	1.6550	1.2489	1.7233	1.1901	1.7950
38	1.4270	1.5348	1.3730	1.5937	1.3177	1.6563	1.2614	1.7223	1.2042	1.7916
39	1.4347	1.5396	1.3821	1.5969	1.3283	1.6575	1.2734	1.7215	1.2176	1.7886
40	1.4421	1.5444	1.3908	1.6000	1.3384	1.6589	1.2848	1.7209	1.2305	1.7859
41	1.4493	1.5490	1.3992	1.6031	1.3480	1.6603	1.2958	1.7205	1.2428	1.7835
42	1.4562	1.5534	1.4073	1.6061	1.3573	1.6617	1.3064	1.7202	1.2546	1.7814
43	1.4628	1.5577	1.4151	1.6091	1.3663	1.6632	1.3166	1.7200	1.2660	1.7794
44	1.4692	1.5619	1.4226	1.6120	1.3749	1.6647	1.3263	1.7200	1.2769	1.7777
45	1.4754	1.5660	1.4298	1.6148	1.3832	1.6662	1.3357	1.7200	1.2874	1.7762
46	1.4814	1.5700	1.4368	1.6176	1.3912	1.6677	1.3448	1.7201	1.2976	1.7748
47	1.4872	1.5739	1.4435	1.6204	1.3989	1.6692	1.3535	1.7203	1.3073	1.7736
48	1.4928	1.5776	1.4500	1.6231	1.4064	1.6708	1.3619	1.7206	1.3167	1.7725
49	1.4982	1.5813	1.4564	1.6257	1.4136	1.6723	1.3701	1.7210	1.3258	1.7716

50	1.5035	1.5849	1.4625	1.6283	1.4206	1.6739	1.3779	1.7214	1.3346	1.7708
51	1.5086	1.5884	1.4684	1.6309	1.4273	1.6754	1.3855	1.7218	1.3431	1.7701
52	1.5135	1.5917	1.4741	1.6334	1.4339	1.6769	1.3929	1.7223	1.3512	1.7694
53	1.5183	1.5951	1.4797	1.6359	1.4402	1.6785	1.4000	1.7228	1.3592	1.7689
54	1.5230	1.5983	1.4851	1.6383	1.4464	1.6800	1.4069	1.7234	1.3669	1.7684
55	1.5276	1.6014	1.4903	1.6406	1.4523	1.6815	1.4136	1.7240	1.3743	1.7681
56	1.5320	1.6045	1.4954	1.6430	1.4581	1.6830	1.4201	1.7246	1.3815	1.7678
57	1.5363	1.6075	1.5004	1.6452	1.4637	1.6845	1.4264	1.7253	1.3885	1.7675
58	1.5405	1.6105	1.5052	1.6475	1.4692	1.6860	1.4325	1.7259	1.3953	1.7673
59	1.5446	1.6134	1.5099	1.6497	1.4745	1.6875	1.4385	1.7266	1.4019	1.7672
60	1.5485	1.6162	1.5144	1.6518	1.4797	1.6889	1.4443	1.7274	1.4083	1.7671
61	1.5524	1.6189	1.5189	1.6540	1.4847	1.6904	1.4499	1.7281	1.4146	1.7671
62	1.5562	1.6216	1.5232	1.6561	1.4896	1.6918	1.4554	1.7288	1.4206	1.7671
63	1.5599	1.6243	1.5274	1.6581	1.4943	1.6932	1.4607	1.7296	1.4265	1.7671
64	1.5635	1.6268	1.5315	1.6601	1.4990	1.6946	1.4659	1.7303	1.4322	1.7672
65	1.5670	1.6294	1.5355	1.6621	1.5035	1.6960	1.4709	1.7311	1.4378	1.7673
66	1.5704	1.6318	1.5395	1.6640	1.5079	1.6974	1.4758	1.7319	1.4433	1.7675
67	1.5738	1.6343	1.5433	1.6660	1.5122	1.6988	1.4806	1.7327	1.4486	1.7676
68	1.5771	1.6367	1.5470	1.6678	1.5164	1.7001	1.4853	1.7335	1.4537	1.7678
69	1.5803	1.6390	1.5507	1.6697	1.5205	1.7015	1.4899	1.7343	1.4588	1.7680
70	1.5834	1.6413	1.5542	1.6715	1.5245	1.7028	1.4943	1.7351	1.4637	1.7683