LAMPIRAN

Lampiran 1

Daftar Populasi Bank BUMN

No	Nama Perbankan
1	PT. Bank Rakyat Indonesia (Persero), Tbk
2	PT. Bank Mandiri (Persero), Tbk
3	PT. Bank Negara Indonesia (Persero), Tbk
4	PT. Bank Tabungan Negara (Persero), Tbk

Lampiran 2

Data Tabulasi DPK, NPL, LDR, ROA Bank BUMN

(Data Mentah)

NO	TAHUN	BULAN	BANK	DPK (X1)	NPL (X2)	LDR (X3)	ROA (Y)
1	2015	Maret	Mandiri	Rp 568.735.141,00	1,81	83,8	3,54
2		Juni		Rp 595.323.243,00	2	82,97	3,21
3		September		Rp 594.248.127,00	2,41	84,27	3
4		Desember		Rp 613.160.929,00	2,29	87,05	3,15
5		Maret	BNI	Rp 289.187.679,00	2,14	87,76	3,55
6		Juni		Rp 310.331.282,00	2,98	87,63	1,48
7		September		Rp 330.916.113,00	2,83	87,67	2,45
8		Desember		Rp 351.281.658,00	2,7	87,77	2,64
9		Maret	BRI	Rp587.727.036,00	2,17	80,47	3,99
10		Juni		Rp 573.117.118,00	2,33	87,87	3,91
11		September		Rp 611.324.607,00	2,24	84,89	3,95
12		Desember		Rp 642.774.004,00	2,02	86,88	4,19
13		Maret	BTN	Rp 101.969.469,00	4,75	109,71	1,53
14		Juni		Rp 107.125.878,00	4,7	109,94	1,55
15		September		Rp 115.918.938,00	4,5	108,78	1,61
16		Desember		Rp 118.839.797,00	3,42	108,78	1,61
17	2016	Maret	Mandiri	Rp 590.365.098,00	2,89	86,72	2,58
18		Juni		Rp 625.130.611,00	3,74	87,19	2,15
19		September		Rp 621.262.445,00	3,69	89,9	2,35
20		Desember		Rp 687.949.844,00	3,96	85,86	1,95

21		Maret	BNI	Rp 350.877.647,00	2,84	87,97	3,03
22		Juni		Rp 369.923.192,00	2,95	91,4	2,16
23		September		Rp 379.448.058,00	3,13	92,85	2,51
24		Desember		Rp 412.147.567,00	2,96	90,41	2,69
25		Maret	BRI	Rp 631.780.772,00	2,22	88,81	3,65
26		Juni		Rp 656.121.952,00	2,31	90,03	3,68
27		September		Rp 665.529.290,00	2,22	90,68	3,59
28		Desember		Rp 723.845.458,00	2,03	87,77	3,84
29		Maret	BTN	Rp 121.168.410,00	3,59	108,98	1,56
30		Juni		Rp 123.729.049,00	3,41	110,97	1,54
31		September		Rp 136.510.662,00	3,6	104,3	1,59
32		Desember		Rp 147.991.571,00	2,84	102,66	1,76
33	2017	Maret	Mandiri	Rp 654.023.811,00	3,95	89,22	2,38
34		Juni		Rp 681.597.588,00	3,79	88,61	2,61
35		September		Rp 678.971.712,00	3,74	89,05	2,72
36		Desember		Rp 729.777.531,00	3,45	88,11	2,72
37		Maret	BNI	Rp 419.840.177,00	3,04	89,33	2,76
38		Juni		Rp 437.742.855,00	2,83	88,93	2,72
39		September		Rp 453.487.896,00	2,75	87,86	2,8
40		Desember		Rp 487.461.507,00	2,26	85,58	2,75
41		Maret	BRI	Rp 701.169.590,00	2,16	93,15	3,34
42		Juni		Rp 734.070.586,00	2,23	89,76	3,31
43		September		Rp 735.146.722,00	2,23	90,39	3,34
44		Desember		Rp 803.326.570,00	2,1	88,13	3,69
45		Maret	BTN	Rp 145.757.272,00	3,34	107,79	1,48
46		Juni		Rp 146.307.323,00	3,23	111,49	1,52

47		September		Rp 153.407.905,00	3,07	109,79	1,56
48		Desember		Rp 177.566.592,00	2,66	103,13	1,71

Keterangan :

DPK = Giro + Tabungan + Deposito

NPL = (Kredit Bermasalah / Total Kredit) x 100%

LDR = (Kredit yang diberikan / Dana Pihak ketiga) x 100%

ROA = (Laba sebelum pajak / Total Asset) x 100%

Lampiran 3

Contoh Perhitungan DPK, NPL, LDR, ROA

OTORITAS JASA KEUANGAN

Laporan Publikasi Triwulanan
Neraca
Desember 2015

PT BANK NEGARA INDONESIA (PERSERO), Tbk

Jl. Jend. Sudirman Kav. 1, Jakarta 10220

(dalam Jutaan Rupiah)

Pos-pos	Bank		Konsolidasi	
	Desember 2015	Desember 2014	Desember 2015	Desember 2014
Aset Lainnya	13,814,603	7,106,602	14,716,675	7,830,053
TOTAL ASET	478,716,369	393,466,672	508,595,288	416,573,708
LIABILITAS DAN EKUITAS				
LIABILITAS				
Giro	89,750,903	82,515,695	90,763,359	82,743,186
Tabungan	127,654,473	113,821,715	129,364,312	114,969,594
Simpanan berjangka	133,876,282	102,683,632	133,809,209	102,552,029
Dana investasi revenue sharing	0	0	16,483,905	13,628,621
Pinjaman dari Bank Indonesia	464,997	838,055	464,997	838,055
Pinjaman dari bank lain	4,329,379	2,492,394	4,697,542	3,176,996
Liabilitas spot dan derivatif	1,161,557	661,609	1,161,557	661,609
Utang atas surat berharga yang dijual dengan janji dibeli kembali (repo)	3,163,142	2,491,931	3,163,142	2,491,931
Utang akseptasi	6,188,258	6,468,603	6,188,258	6,468,603
Surat berharga yang diterbitkan	6,870,667	6,158,031	7,366,667	6,158,031
Pinjaman yang diterima	22,008,584	10,293,337	22,058,584	10,374,210
Setoran jaminan	1,187,080	1,026,890	1,212,653	1,043,253

Dana Pihak Ketiga (DPK) Bank Negara Indonesia (Persero), Tbk periode Desember 2015 = Giro + Tabungan + Deposito

= Rp 89.750.903 + Rp 127.654.473 + Rp 133.876.282

= Rp 351.281.658

Laporan Publikasi Triwulanan
Perhitungan Rasio Keuangan
Desember 2015

PT BANK NEGARA INDONESIA (PERSERO), Tbk
Jl. Jend. Sudirman Kav. 1, Jakarta 10220

UNAUDITED BY OTORITAS JASA KEUANGAN

(Dalam Prosentase)

Komponen Modal	Desember 2015	Desember 2014
I. Rasio Kinerja		
1. Kewajiban Penyediaan Modal Minimum (KPMM)	19.49	16.22
2. Aset produktif bermasalah dan aset non produktif bermasalah terhadap total aset produktif dan aset non produktif	1.91	1.45
3. Aset produktif bermasalah terhadap total aset produktif	1.87	1.40
4. Cadangan kerugian penurunan nilai (CKPN) aset keuangan terhadap aset produktif	2.48	1.74
5. NPL gross	2.70	1.96
6. NPL net	0.91	0.39
7. Return on Asset (ROA)	2.64	3.49
8. Return on Equity (ROE)	17.21	23.64
9. Net Interest Margin (NIM)	6.42	6.31
10. Biaya Operasional terhadap Pendapatan Operasional (BOPO)	75.48	68.02
11. Loan to Deposit Ratio (LDR)	87.77	87.81
II. Kepatuhan (Compliance)		

- Rasio NPL Bank Negara Indonesia (Persero), Tbk Periode Desember 2015 = 2,70%
- Rasio ROA Bank Negara Indonesia (Persero), Tbk Periode Desember 2015 = 2,64%
- Rasio LDR Bank Negara Indonesia (Persero), Tbk Periode Desember 2015 = 87,77%

Lampiran 4

Hasil Uji Analisis Deskriptif Statistik

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
DPK	48	Rp1.E8	Rp8.E8	Rp4.56E8	Rp2.256E8
NPL	48	1.81	4.75	2.9271	.74910
LDR	48	80.47	111.49	92.9165	9.07348
ROA	48	1.48	4.19	2.6519	.84133
Valid N (listwise)	48				

Lampiran 5

Hasil Uji Normalitas

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	LDR, NPL, DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: ROA

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.899[a]	.808	.795	.38118

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

ANOVA[b]

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	26.875	3	8.958	61.656	.000[a]
	Residual	6.393	44	.145		
	Total	33.268	47			

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.731	1.128		4.194	.000
	DPK	.000	.000	.420	3.757	.001
	NPL	-.560	.090	-.499	-6.223	.000
	LDR	-.012	.011	-.134	-1.121	.268

a. Dependent Variable: ROA

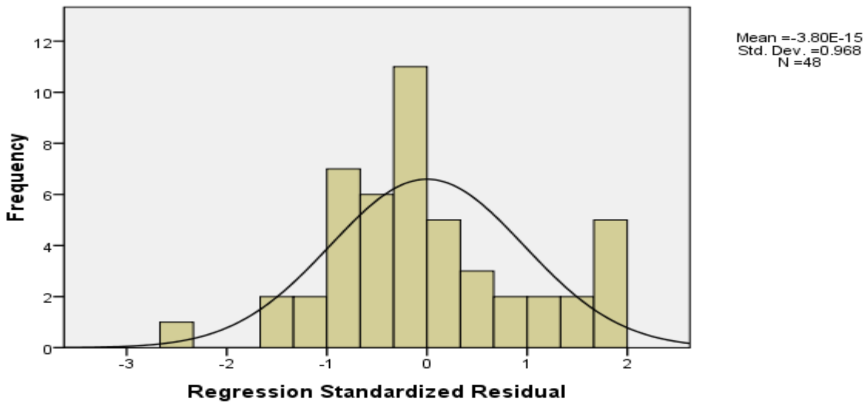
Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.8670	3.7188	2.6519	.75618	48
Residual	-.97930	.67767	.00000	.36881	48
Std. Predicted Value	-2.360	1.411	.000	1.000	48
Std. Residual	-2.569	1.778	.000	.968	48

a. Dependent Variable: ROA

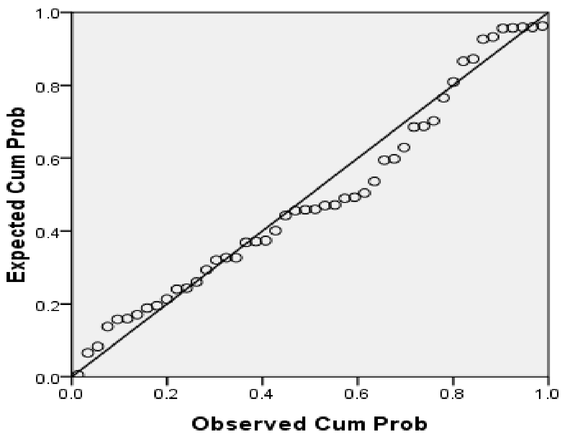
Histogram

Dependent Variable: ROA



Normal P-P Plot of Regression Standardized Residual

Dependent Variable: ROA



One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		48
Normal Parameters[a]	Mean	.0000000
	Std. Deviation	.36881152
Most Extreme Differences	Absolute	.120
	Positive	.120
	Negative	-.079
Kolmogorov-Smirnov Z		.834
Asymp. Sig. (2-tailed)		.489

a. Test distribution is Normal.

Lampiran 6

Uji Multikolinearitas

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	LDR, NPL, DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: ROA

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.899[a]	.808	.795	.38118

a. Predictors: (Constant), LDR, NPL, DPK

ANOVA[b]

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	26.875	3	8.958	61.656	.000[a]
	Residual	6.393	44	.145		
	Total	33.268	47			

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	T	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	4.731	1.128		4.194	.000		
	DPK	.000	.000	.420	3.757	.001	.349	2.868
	NPL	-.560	.090	-.499	-6.223	.000	.680	1.470
	LDR	-.012	.011	-.134	-1.121	.268	.306	3.271

a. Dependent Variable:

ROA

Coefficient Correlations[a]

Model			LDR	NPL	DPK
1	Correlations	LDR	1.000	-.353	.742
		NPL	-.353	1.000	.034
		DPK	.742	.034	1.000
	Covariances	LDR	.000	.000	.000
		NPL	.000	.008	.000
		DPK	.000	.000	.000

a. Dependent Variable: ROA

Collinearity Diagnostics[a]

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions			
				(Constant)	DPK	NPL	LDR
1	1	3.764	1.000	.00	.00	.00	.00
	2	.210	4.233	.00	.23	.04	.00
	3	.025	12.304	.02	.10	.92	.02
	4	.001	53.759	.98	.67	.04	.97

a. Dependent Variable: ROA

Lampiran 7

Hasil Uji Heteroskedastisitas

(Analisis Grafik Scatterplot)

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	LDR, NPL, DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: ROA

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.899[a]	.808	.795	.38118

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

ANOVA[b]

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	26.875	3	8.958	61.656	.000[a]
	Residual	6.393	44	.145		
	Total	33.268	47			

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.731	1.128		4.194	.000
	DPK	.000	.000	.420	3.757	.001
	NPL	-.560	.090	-.499	-6.223	.000
	LDR	-.012	.011	-.134	-1.121	.268

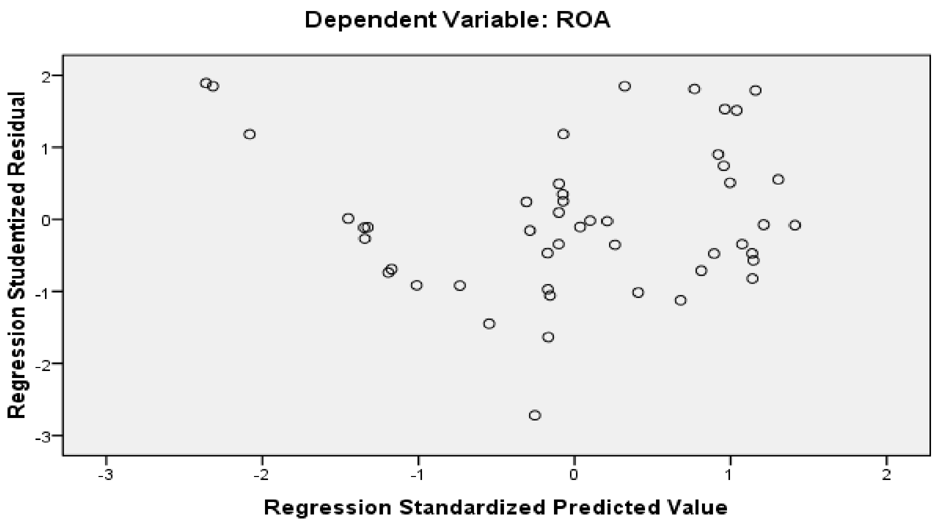
a. Dependent Variable: ROA

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.8670	3.7188	2.6519	.75618	48
Std. Predicted Value	-2.360	1.411	.000	1.000	48
Standard Error of Predicted Value	.066	.150	.107	.024	48
Adjusted Predicted Value	.7463	3.7228	2.6519	.76419	48
Residual	-.97930	.67767	.00000	.36881	48
Std. Residual	-2.569	1.778	.000	.968	48
Stud. Residual	-2.720	1.891	.000	1.017	48
Deleted Residual	-1.09756	.78367	-.00005	.40799	48
Stud. Deleted Residual	-2.948	1.950	.001	1.043	48
Mahal. Distance	.441	6.261	2.938	1.644	48
Cook's Distance	.000	.223	.027	.048	48
Centered Leverage Value	.009	.133	.063	.035	48

a. Dependent Variable: ROA

Scatterplot



Lampiran 8

Uji Heteroskedastisitas

(Analisis Uji Glejser)

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	LDR, NPL, DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: RES2

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.293[a]	.086	.024	.22882

a. Predictors: (Constant), LDR, NPL, DPK

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.217	3	.072	1.380	.261[a]
	Residual	2.304	44	.052		
	Total	2.521	47			

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: RES2

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.546	.677		2.284	.027
	DPK	.000	.000	-.482	-1.975	.055
	NPL	.019	.054	.061	.350	.728
	LDR	-.012	.007	-.461	-1.767	.084

a. Dependent Variable: RES2

Lampiran 9

Uji Autokorelasi (Durbin Watson)

(Sebelum Transformasi Lag)

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	LDR, NPL, DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: ROA

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.899[a]	.808	.795	.38118	1.234

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	26.875	3	8.958	61.656	.000[a]
	Residual	6.393	44	.145		
	Total	33.268	47			

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.731	1.128		4.194	.000
	DPK	.000	.000	.420	3.757	.001
	NPL	-.560	.090	-.499	-6.223	.000
	LDR	-.012	.011	-.134	-1.121	.268

a. Dependent Variable: ROA

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	.8670	3.7188	2.6519	.75618	48
Residual	-.97930	.67767	.00000	.36881	48
Std. Predicted Value	-2.360	1.411	.000	1.000	48
Std. Residual	-2.569	1.778	.000	.968	48

a. Dependent Variable: ROA

Lampiran 10

Hasil Uji Autokorelasi (Durbin Watson)

(Setelah Transformasi Lag)

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	Lag_LDR, Lag_NPL, Lag_DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: Lag_ROA

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.879[a]	.773	.757	.35561	2.106

a. Predictors: (Constant), Lag_LDR, Lag_NPL, Lag_DPK

b. Dependent Variable: Lag_ROA

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	18.476	3	6.159	48.702	.000[a]
	Residual	5.438	43	.126		
	Total	23.914	46			

a. Predictors: (Constant), Lag_LDR, Lag_NPL, Lag_DPK

b. Dependent Variable: Lag_ROA

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.203	.841		3.809	.000
	Lag_DPK	.000	.000	.370	2.957	.005
	Lag_NPL	-.632	.103	-.531	-6.142	.000
	Lag_LDR	-.014	.013	-.138	-1.036	.306

a. Dependent Variable: Lag_ROA

Residuals Statistics[a]

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-.5717	2.4525	1.6230	.63376	47
Residual	-1.21917	.63928	.00000	.34382	47
Std. Predicted Value	-3.463	1.309	.000	1.000	47
Std. Residual	-3.428	1.798	.000	.967	47

a. Dependent Variable: Lag_ROA

Lampiran 11

Hasil Uji Persial t

Variables Entered/Removed[b]

Model	Variables Entered	Variables Removed	Method
1	LDR, NPL, DPK[a]	.	Enter

a. All requested variables entered.

b. Dependent Variable: ROA

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.899[a]	.808	.795	.38118

a. Predictors: (Constant), LDR, NPL, DPK

ANOVA[b]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	26.875	3	8.958	61.656	.000[a]
	Residual	6.393	44	.145		
	Total	33.268	47			

a. Predictors: (Constant), LDR, NPL, DPK

b. Dependent Variable: ROA

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.731	1.128		4.194	.000
	DPK	.000	.000	.420	3.757	.001
	NPL	-.560	.090	-.499	-6.223	.000
	LDR	-.012	.011	-.134	-1.121	.268

a. Dependent Variable: ROA

Lampiran 12

Tabel Durbin-Watson (DW), α = 5%

	k=1		k=2		k=3		k=4		k=5	
n	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

NO	HARI/TGL/ TH	KETERANGAN	TTD DOSEN PEMBIMBING	TTD MAHASISWA BIMBINGAN
1	Jum'at/ 23 NOV/ 2018	Revisi judul		
2	Rabu/ 9 Jan/ 2019	Revisi penulisan dan Rumusan masalah		
3	Jum'at/ 11 Jan/ 2019	Revisi [illegible]		

NO	HARI/TGL/ TH	KETERANGAN	TTD DOSEN PEMBIMBING	TTD MAHASISWA BIMBINGAN
4	Kamis, 24 Jan 2019	[illegible]		
5.		[illegible]		
6.		Acc		
7		Acc proposal		
8	13/Feb/19	[illegible]		

NO	HARI/TGL/ TH	KETERANGAN	TTD DOSEN PEMBIMBING	TTD MAHASISWA BIMBINGAN
9	15 Feb 2019	Bab I s/d V Acc, dapat dilanjutkan proses selanjutnya.		
10	4 Maret 2019	Acc. Ujian		