

Lampiran 1

Lampiran 1 Data Keuangan

Bank konvensional

BANK	YEAR	Z-Score	TOTAL ASET (milyar rupiah)	ROA (%)	NPL (%)	BI RATE (%)	KURS (rupiah)
BNI	2010	6.29	245.581	2.49	1.96	6.5	9190.52
	2011	7.71	299.058	2.94	2.17	6	9154.74
	2012	7.67	333.304	2.92	2.84	5.75	9973.2
	2013	8.76	386.655	3.36	2.2	7.5	10816.96
	2014	9.14	416.657	3.49	1.96	7.75	10164.81
BRI	2010	22.71	404.286	4.64	2.78	6.5	9190.52
	2011	24.18	469.899	4.93	2.3	6	9154.74
	2012	25.29	551,337	5.15	1.78	5.75	9973.2
	2013	24.76	626,183	5.03	1.55	7.5	10816.96
	2014	23.34	801,955	4.74	1.69	7.75	10164.81
BCA	2010	21.94	324,419	3.5	0.6	6.5	9190.52
	2011	23.79	381,908	3.8	0.5	6	9154.74
	2012	22.62	442,994	3.6	0.4	5.75	9973.2
	2013	23.91	496,304	3.8	0.4	7.5	10816.96
	2014	24.59	552,424	3.9	0.6	7.75	10164.81
MANDIRI	2010	33.73	449,774	3.5	2.21	6.5	9190.52
	2011	32.69	551,892	3.37	2.18	6	9154.74
	2012	34.38	635,619	3.55	1.74	5.75	9973.2
	2013	35.49	733,099	3.66	1.6	7.5	10816.96
	2014	34.66	855,039	3.57	1.66	7.75	10164.81
CIMB	2010	4.25	143,653	2.75	2.59	6.5	9190.52
	2011	4.42	166,801	2.85	2.55	6	9154.74
	2012	4.92	197,413	3.18	2.23	5.75	9973.2
	2013	4.3	216,866	2.76	2.1	7.5	10816.96
	2014	2.33	233,162	1.44	3.53	7.75	10164.81
DANAMON	2010	5.15	118,392	2.7	3	6.5	9190.52
	2011	5.01	142,292	2.6	2.5	6	9154.74
	2012	5.2	155,791	2.7	2.4	5.75	9973.2
	2013	4.82	184,237	2.5	1.9	7.5	10816.96
	2014	2.83	195,709	1.4	2.3	7.75	10164.81
PERMATA	2010	6.89	73,845	2	2.65	6.5	9190.52
	2011	5.86	101,324	1.7	2.04	6	9154.74
	2012	5.87	131,799	1.7	1.37	5.75	9973.2
	2013	5.35	165,834	1.55	1.02	7.5	10816.96
	2014	4.11	185,349	1.16	1.7	7.75	10164.81

Bank syariah

BANK	YEAR	Z-Score	TOTAL ASET (milyar rupiah)	ROA (%)	NPL (%)	BI RATE (%)	KURS (rupiah)
BNIS	2010	1.78	63949.2	3.65	3.59	6.5	9190.52
	2011	3.8	84668.8	6.63	3.62	6	9154.74
	2012	4.35	106453.1	10.18	2.02	5.75	9973.2
	2013	4	147085.04	11.73	3.62	7.5	10816.96
	2014	6.47	19492.1	13.98	2.9	7.75	10164.81
BRIS	2010	2.25	6856.3	0.35	3.19	6.5	9190.52
	2011	2.09	11200.8	0.2	2.42	6	9154.74
	2012	2.39	14088.9	1.19	2.55	5.75	9973.2
	2013	3.83	17400.9	1.15	4.06	7.5	10816.96
	2014	1.9	20343.2	0.08	4.6	7.75	10164.81
BCAS	2010	2.54	874.6	1.13	1.2	6.5	9190.52
	2011	2.84	1217.1	0.9	0.2	6	9154.74
	2012	3.32	1602.2	0.8	0.1	5.75	9973.2
	2013	4.94	2041.4	1	0.1	7.5	10816.96
	2014	3.45	2994.4	0.8	0.1	7.75	10164.81
MANDIRIS	2010	2.63	32482	2.21	3.52	6.5	9190.52
	2011	2.33	48672	1.95	2.42	6	9154.74
	2012	2.7	54229	2.25	2.82	5.75	9973.2
	2013	1.86	63965	1.53	4.32	7.5	10816.96
	2014	0.28	66942	0.17	6.84	7.75	10164.81
MEGAS	2010	1.55	4,638	1.9	3.52	6.5	9190.52
	2011	1.3	5,565	1.58	3.03	6	9154.74
	2012	3.04	8,164	3.81	2.67	5.75	9973.2
	2013	1.89	9,122	2.33	2.98	7.5	10816.96
	2014	0.31	7,042	0.29	3.89	7.75	10164.81
PANINS	2010	-0.99	459	-2.53	0	6.5	9190.52
	2011	0.98	1,017	1.75	0.88	6	9154.74
	2012	1.65	2,141	3.48	0.2	5.75	9973.2
	2013	0.51	4,053	1.03	1.02	7.5	10816.96
	2014	0.96	6,208	1.99	0.53	7.75	10164.81
BUKOPINS	2010	4.38	2,194	0.74	3.81	6.5	9190.52
	2011	3.34	2,730	0.52	1.74	6	9154.74
	2012	3.4	3,616	0.55	4.59	5.75	9973.2
	2013	4.12	4,343	0.69	4.27	7.5	10816.96
	2014	1.99	5,161	0.27	4.07	7.75	10164.81

Lampiran 2

Hasil Statistik Deskriptif

Komponen Z-Score

	Y	ROA	E	SDROA
Mean	8.673429	2.703000	0.208957	0.623786
Median	4.275000	2.410000	0.115500	0.465500
Maximum	35.49000	13.98000	1.117000	2.238000
Minimum	-0.990000	-2.530000	0.001000	0.106000
Std. Dev.	10.20827	2.518009	0.276509	0.555220
Skewness	1.470768	2.181460	2.436159	1.728805
Kurtosis	3.703109	10.04029	7.569648	5.554958
Jarque-Bera Probability	26.67874 0.000002	200.0857 0.000000	130.1451 0.000000	53.90837 0.000000
Sum	607.1400	189.2100	14.62700	43.66500
Sum Sq. Dev.	7190.406	437.4855	5.275549	21.27058
Observations	70	70	70	70

Data Bank konvensional

	Y	TOTALASET	NPL	BIRATE	KURS
Mean	14.82743	353453.0	1.914286	6.700000	9860.046
Median	7.710000	324419.0	2.040000	6.500000	9973.200
Maximum	35.49000	855039.0	3.530000	7.750000	10816.96
Minimum	2.330000	73845.00	0.400000	5.750000	9154.740
Std. Dev.	11.45713	211972.1	0.761412	0.808503	636.3877
Skewness	0.519441	0.687935	-0.463520	0.182308	0.206677
Kurtosis	1.684550	2.532781	2.852588	1.329934	1.674236
Jarque-Bera Probability	4.097455 0.128899	3.078998 0.214489	1.284987 0.525979	4.261347 0.118757	2.812414 0.245071
Sum	518.9600	12370854	67.00000	234.5000	345101.6
Sum Sq. Dev.	4463.034	1.53E+12	19.71146	22.22500	13769637
Observations	35	35	35	35	35

Data Bank syariah

	Y	TOTALASET	NPL	BIRATE	KURS
Mean	2.519429	23800.32	2.611143	6.700000	9860.046
Median	2.390000	6856.300	2.900000	6.500000	9973.200
Maximum	6.470000	147085.0	6.840000	7.750000	10816.96
Minimum	-0.990000	459.0000	0.000000	5.750000	9154.740
Std. Dev.	1.498540	34812.65	1.667587	0.808503	636.3877
Skewness	0.152861	1.939331	0.002170	0.182308	0.206677
Kurtosis	3.323224	6.286008	2.573400	1.329934	1.674236
Jarque-Bera	0.288662	37.68605	0.265426	4.261347	2.812414
Probability	0.865601	0.000000	0.875717	0.118757	0.245071
Sum	88.18000	833011.0	91.39000	234.5000	345101.6
Sum Sq. Dev.	76.35119	4.12E+10	94.54875	22.22500	13769637
Observations	35	35	35	35	35

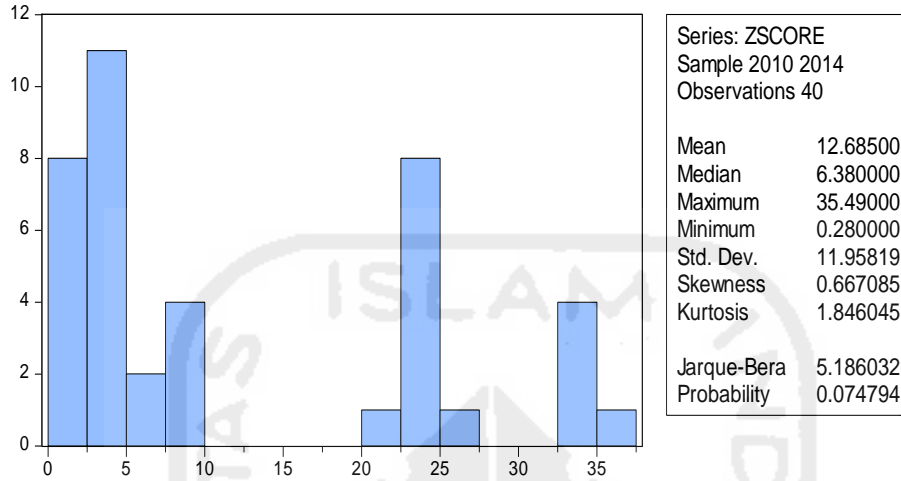


Lampiran 3

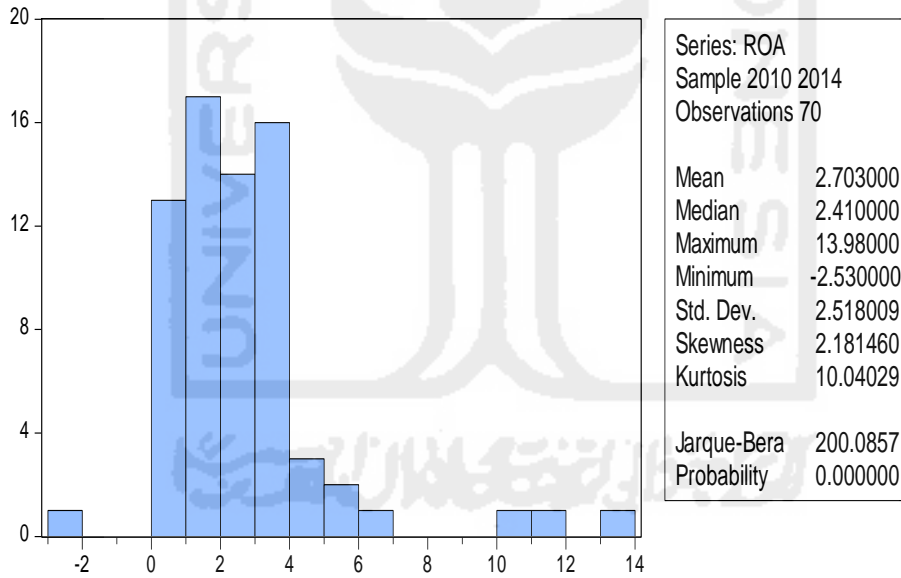
Hasil Uji Normalitas

Komponen Z-Score

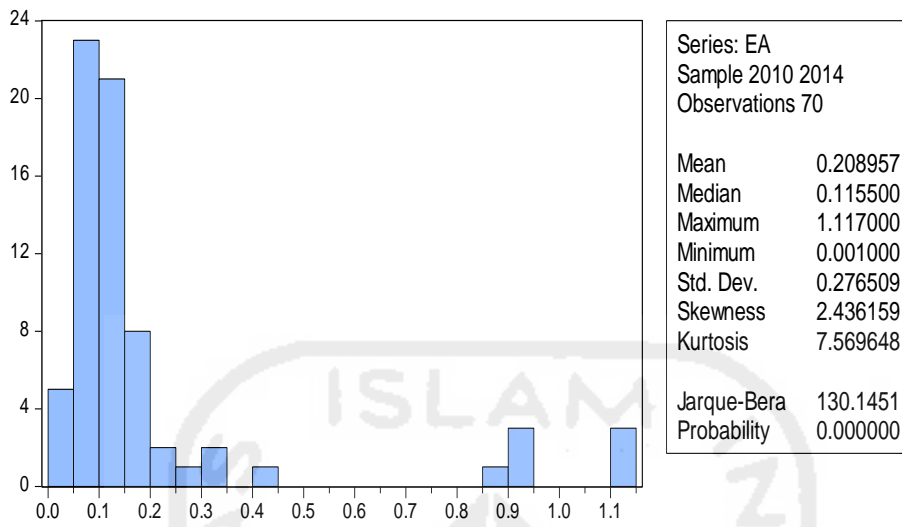
a. Z-Score



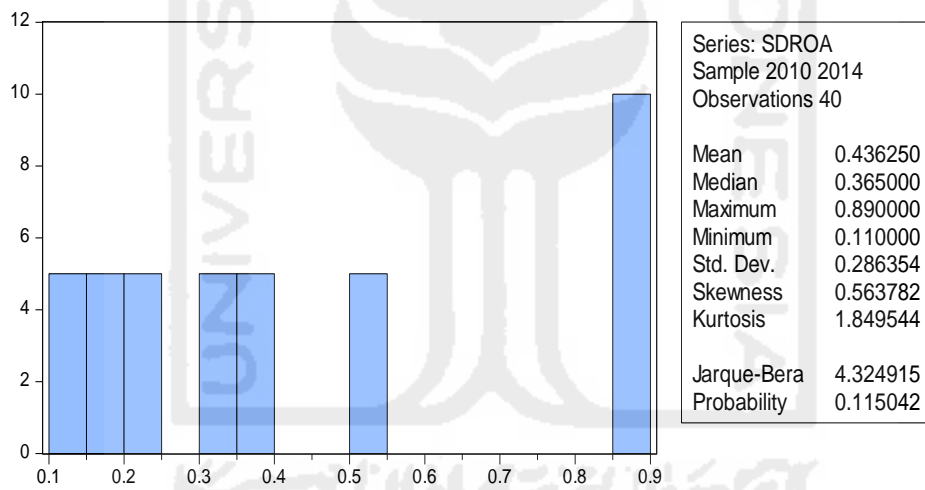
b. ROA



c. E/A

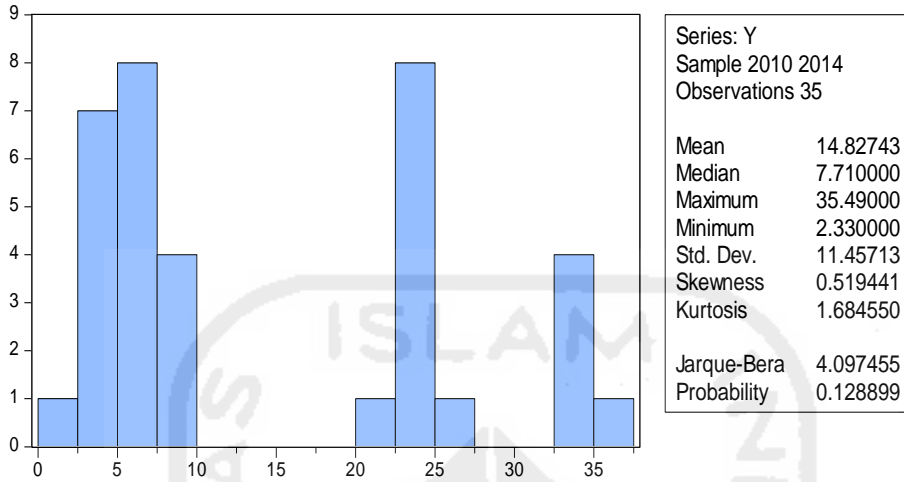


d. S.D ROA

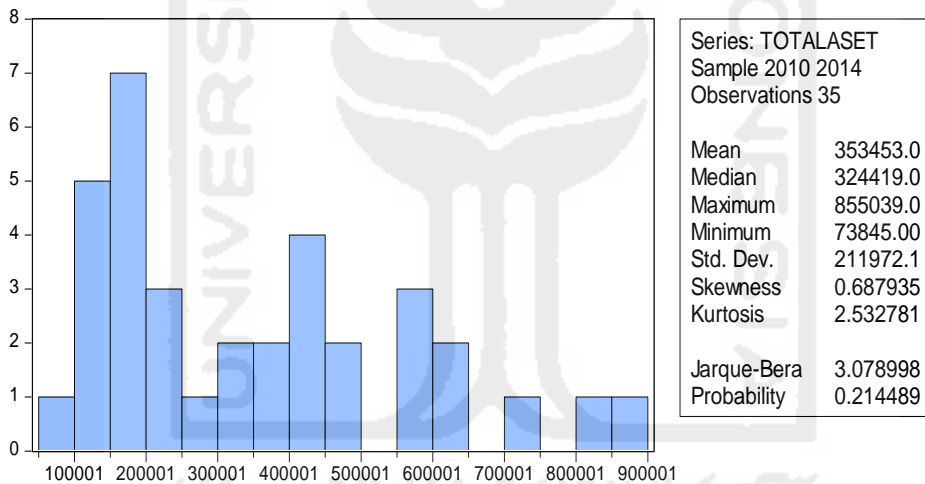


Bank konvensional

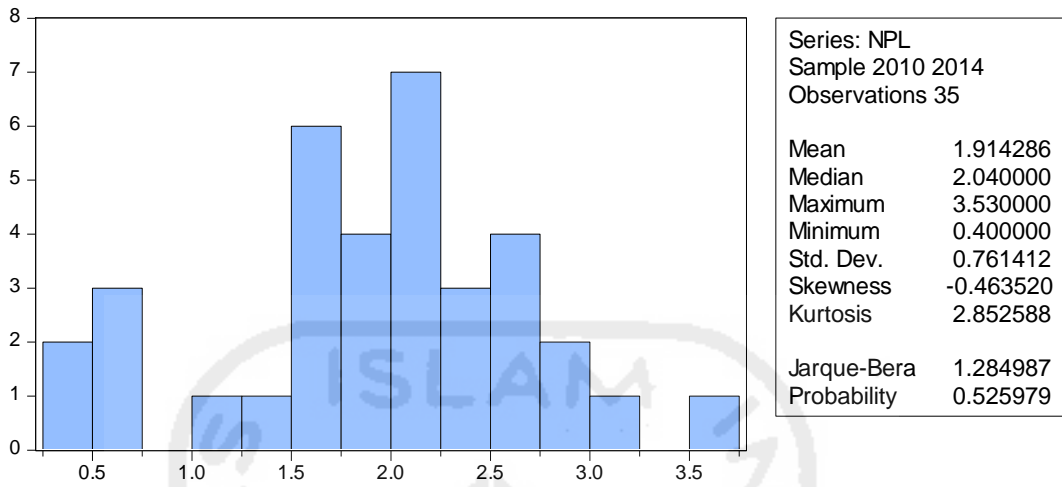
a. Z-Score



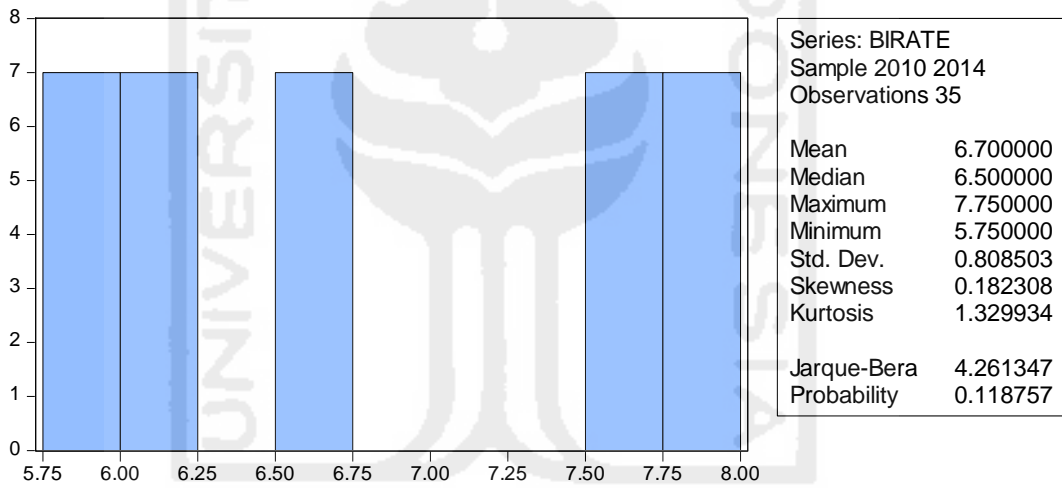
b. Total Aset



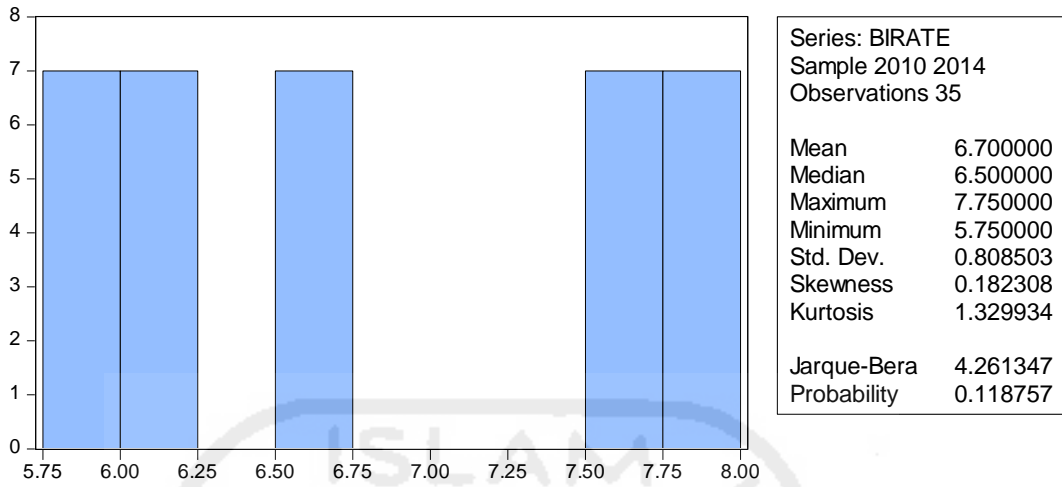
c. NPL



d. BI Rate

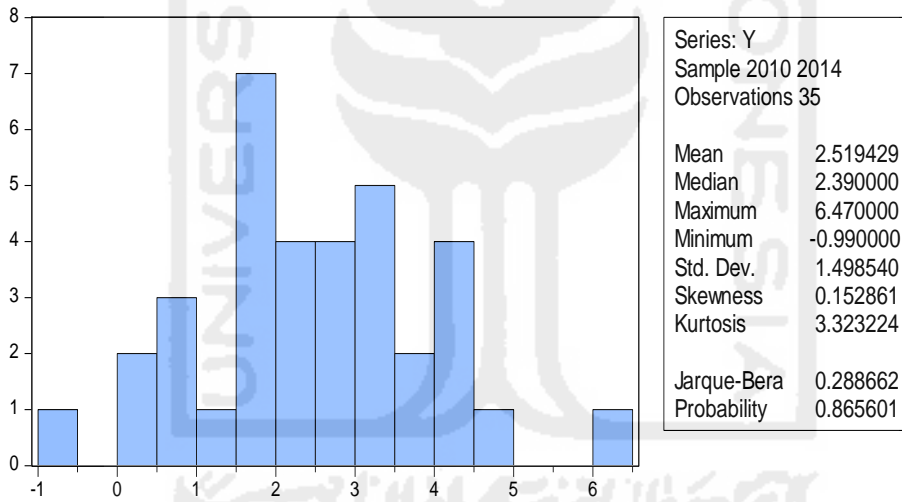


e. Kurs

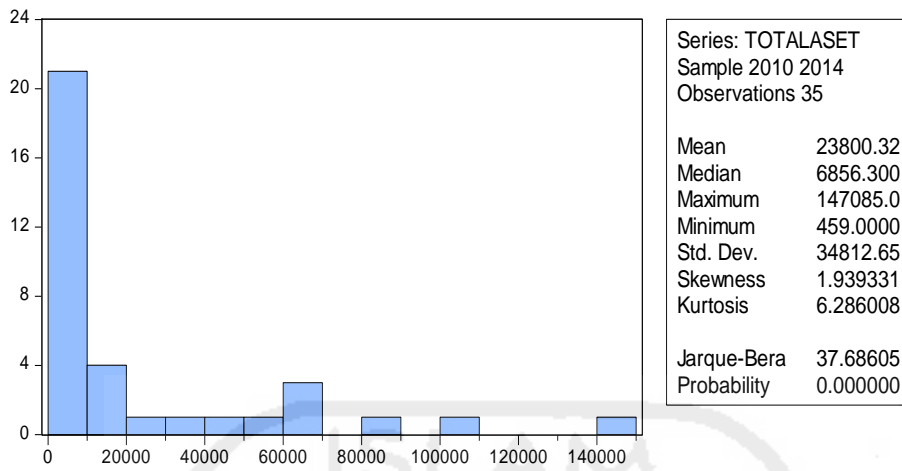


Bank syariah

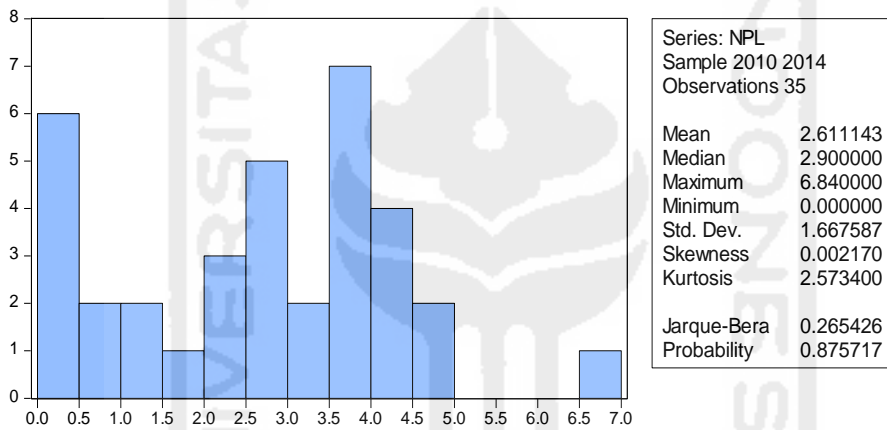
a. Z-Score



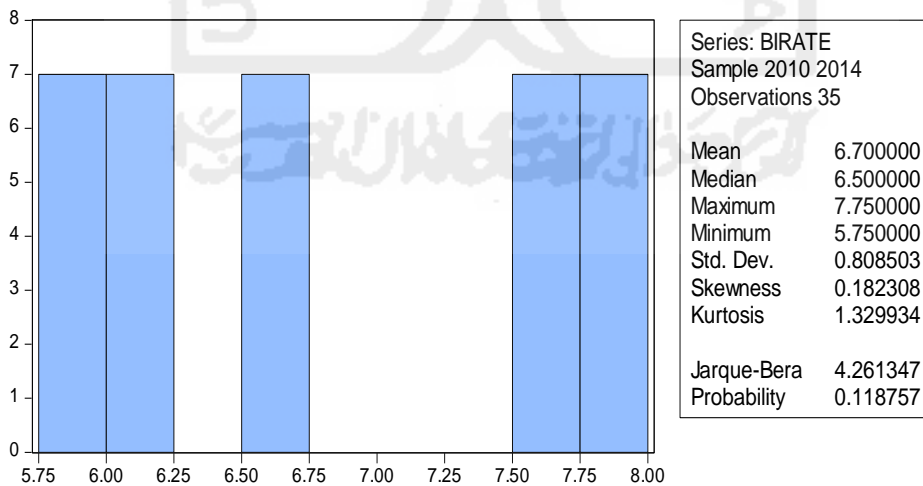
b. Total Aset



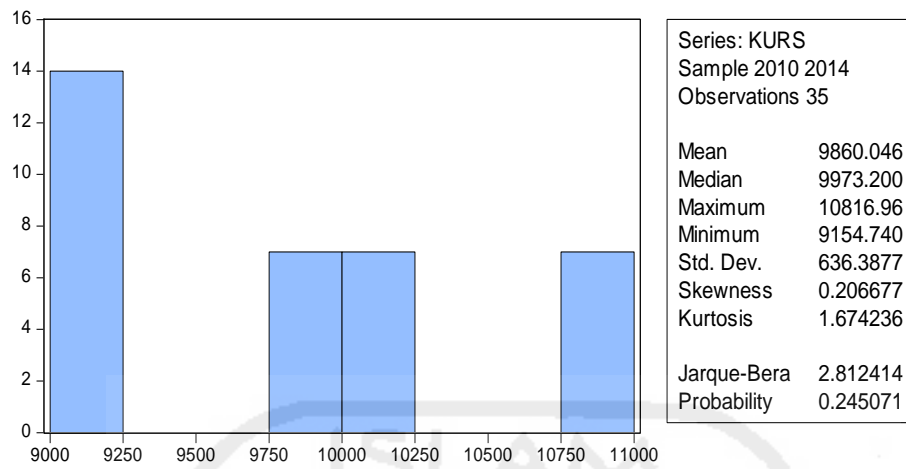
c. NPL



d. BI Rate



e. Kurs



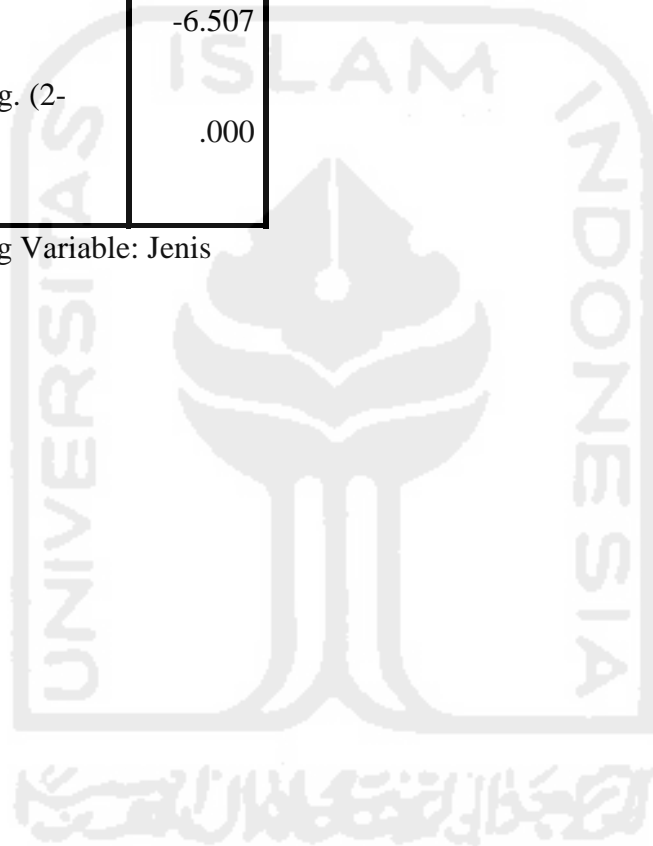
Lampiran 4

Hasil Uji Beda Mann Whitney U

Test Statistics^a

	Bank
Mann-Whitney U	58.500
Wilcoxon W	688.500
Z	-6.507
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: Jenis



Lampiran 5

Hasil Regresi Data Panel

Bank konvensional

Common effect

Dependent Variable: LOG(Y?)
 Method: Pooled Least Squares
 Date: 02/24/16 Time: 21:41
 Sample: 2010 2014
 Included observations: 5
 Cross-sections included: 7
 Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	27.91513	12.04530	2.317512	0.0275
LOG(TA?)	1.107716	0.110589	10.01654	0.0000
NPL?	-0.307626	0.093852	-3.277790	0.0026
BIRATE?	-0.133695	0.103976	-1.285831	0.2083
LOG(KURS?)	-3.302501	1.356149	-2.435204	0.0210
R-squared	0.834633	Mean dependent var		2.357491
Adjusted R-squared	0.812584	S.D. dependent var		0.864059
S.E. of regression	0.374065	Akaike info criterion		1.002790
Sum squared resid	4.197744	Schwarz criterion		1.224983
Log likelihood	-12.54883	Hannan-Quinn criter.		1.079491
F-statistic	37.85356	Durbin-Watson stat		0.871645
Prob(F-statistic)	0.000000			

Fixed effect

Dependent Variable: LOG(Y?)
 Method: Pooled Least Squares
 Date: 02/24/16 Time: 21:41
 Sample: 2010 2014
 Included observations: 5
 Cross-sections included: 7
 Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-4.830157	6.563573	-0.735904	0.4689
LOG(TA?)	-0.433472	0.220479	-1.966045	0.0610
NPL?	-0.131276	0.086769	-1.512946	0.1434
BIRATE?	-0.060476	0.047386	-1.276241	0.2141
LOG(KURS?)	1.120911	0.786197	1.425739	0.1668
Fixed Effects (Cross)				
_BNI--C	-0.203616			
_BRI--C	1.113226			
_BCA--C	0.776178			
_MANDIRI--C	1.501254			
_CIMB--C	-1.091649			
_DANAMON--C	-1.059409			

_PERMATA--C -1.035984

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.975892	Mean dependent var	2.357491
Adjusted R-squared	0.965847	S.D. dependent var	0.864059
S.E. of regression	0.159683	Akaike info criterion	-0.579970
Sum squared resid	0.611971	Schwarz criterion	-0.091147
Log likelihood	21.14948	Hannan-Quinn criter.	-0.411229
F-statistic	97.15124	Durbin-Watson stat	1.046684
Prob(F-statistic)	0.000000		

Chow test

Redundant Fixed Effects Tests
Pool: POOLFE
Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	23.437548	(6,24)	0.0000
Cross-section Chi-square	67.396633	6	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(Y?)

Method: Panel Least Squares

Date: 02/24/16 Time: 21:44

Sample: 2010 2014

Included observations: 5

Cross-sections included: 7

Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	27.91513	12.04530	2.317512	0.0275
LOG(TA?)	1.107716	0.110589	10.01654	0.0000
NPL?	-0.307626	0.093852	-3.277790	0.0026
BIRATE?	-0.133695	0.103976	-1.285831	0.2083
LOG(KURS?)	-3.302501	1.356149	-2.435204	0.0210

R-squared	0.834633	Mean dependent var	2.357491
Adjusted R-squared	0.812584	S.D. dependent var	0.864059
S.E. of regression	0.374065	Akaike info criterion	1.002790
Sum squared resid	4.197744	Schwarz criterion	1.224983
Log likelihood	-12.54883	Hannan-Quinn criter.	1.079491
F-statistic	37.85356	Durbin-Watson stat	0.871645
Prob(F-statistic)	0.000000		

Random effect

Dependent Variable: LOG(Y?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 02/24/16 Time: 21:42
 Sample: 2010 2014
 Included observations: 5
 Cross-sections included: 7
 Total pool (balanced) observations: 35
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	10.92456	5.995518	1.822121	0.0784
LOG(TA?)	0.495445	0.147804	3.352038	0.0022
NPL?	-0.138423	0.078739	-1.757997	0.0889
BIRATE?	-0.114684	0.046004	-2.492922	0.0184
LOG(KURS?)	-1.125428	0.691720	-1.627001	0.1142
Random Effects (Cross)				
_BNI--C	-0.296434			
_BRI--C	0.490589			
_BCA--C	0.381681			
_MANDIRI--C	0.745073			
_CIMB--C	-0.640541			
_DANAMON--C	-0.448783			
_PERMATA--C	-0.231585			
Effects Specification				
			S.D.	Rho
Cross-section random			0.292035	0.7698
Idiosyncratic random			0.159683	0.2302
Weighted Statistics				
R-squared	0.272965	Mean dependent var		0.559987
Adjusted R-squared	0.176028	S.D. dependent var		0.257517
S.E. of regression	0.233756	Sum squared resid		1.639252
F-statistic	2.815879	Durbin-Watson stat		0.983793
Prob(F-statistic)	0.042700			
Unweighted Statistics				
R-squared	0.581655	Mean dependent var		2.357491
Sum squared resid	10.61942	Durbin-Watson stat		0.151862

Hausman Test

Correlated Random Effects - Hausman Test

Pool: POOLRE

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	0.000000	4	1.0000

* Cross-section test variance is invalid. Hausman statistic set to zero.

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(TA?)	-0.433472	0.495445	0.026765	0.0000
NPL?	-0.131276	-0.138423	0.001329	0.8446
BIRATE?	-0.060476	-0.114684	0.000129	0.0000
LOG(KURS?)	1.120911	-1.125428	0.139629	0.0000

Cross-section random effects test equation:

Dependent Variable: LOG(Y?)

Method: Panel Least Squares

Date: 02/24/16 Time: 21:46

Sample: 2010 2014

Included observations: 5

Cross-sections included: 7

Total pool (balanced) observations: 35

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-4.830157	6.563573	-0.735904	0.4689
LOG(TA?)	-0.433472	0.220479	-1.966045	0.0610
NPL?	-0.131276	0.086769	-1.512946	0.1434
BIRATE?	-0.060476	0.047386	-1.276241	0.2141
LOG(KURS?)	1.120911	0.786197	1.425739	0.1668

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.975892	Mean dependent var	2.357491
Adjusted R-squared	0.965847	S.D. dependent var	0.864059
S.E. of regression	0.159683	Akaike info criterion	-0.579970
Sum squared resid	0.611971	Schwarz criterion	-0.091147
Log likelihood	21.14948	Hannan-Quinn criter.	-0.411229
F-statistic	97.15124	Durbin-Watson stat	1.046684
Prob(F-statistic)	0.000000		

Bank syariah

Common effect

Dependent Variable: LOG(Y?)
Method: Pooled Least Squares
Date: 02/24/16 Time: 21:28
Sample: 2010 2014
Included observations: 5
Cross-sections included: 7
Total pool (unbalanced) observations: 34

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-18.95022	21.95185	-0.863263	0.3951
LOG(TA?)	0.049250	0.028505	1.727736	0.0947
NPL?	-0.076184	0.079161	-0.962385	0.3438
BIRATE?	-0.305135	0.199977	-1.525850	0.1379
LOG(KURS?)	2.355696	2.476339	0.951282	0.3493
R-squared	0.187745	Mean dependent var		0.772347
Adjusted R-squared	0.075710	S.D. dependent var		0.723968
S.E. of regression	0.696023	Akaike info criterion		2.248185
Sum squared resid	14.04900	Schwarz criterion		2.472650
Log likelihood	-33.21915	Hannan-Quinn criter.		2.324734
F-statistic	1.675773	Durbin-Watson stat		0.871034
Prob(F-statistic)	0.182536			

Fixed effect

Dependent Variable: LOG(Y?)
Method: Pooled Least Squares
Date: 02/24/16 Time: 21:30
Sample: 2010 2014
Included observations: 5
Cross-sections included: 7
Total pool (unbalanced) observations: 34

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-34.30463	16.36220	-2.096578	0.0472
LOG(TA?)	-0.329534	0.216421	-1.522657	0.1415
NPL?	-0.333386	0.107060	-3.113997	0.0049
BIRATE?	-0.174630	0.143468	-1.217205	0.2359
LOG(KURS?)	4.264601	1.904695	2.238994	0.0351
Fixed Effects (Cross)				
_BNI--C	2.317379			
_BRI--C	1.390869			
_BCA--C	0.011440			
_MANDIRI--C	1.599964			
_MEGA--C	-1.779702			
_PANIN--C	-3.308563			
_BUKOPIN--C	-0.893100			

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.720747	Mean dependent var	0.772347
Adjusted R-squared	0.599333	S.D. dependent var	0.723968
S.E. of regression	0.458259	Akaike info criterion	1.533429
Sum squared resid	4.830036	Schwarz criterion	2.027252
Log likelihood	-15.06830	Hannan-Quinn criter.	1.701837
F-statistic	5.936273	Durbin-Watson stat	2.163058
Prob(F-statistic)	0.000206		

Chow test

Redundant Fixed Effects Tests

Pool: POOLFE

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	7.316584	(6,23)	0.0002
Cross-section Chi-square	36.301709	6	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(Y?)

Method: Panel Least Squares

Date: 02/24/16 Time: 21:48

Sample: 2010 2014

Included observations: 5

Cross-sections included: 7

Total pool (unbalanced) observations: 34

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-18.95022	21.95185	-0.863263	0.3951
LOG(TA?)	0.049250	0.028505	1.727736	0.0947
NPL?	-0.076184	0.079161	-0.962385	0.3438
BIRATE?	-0.305135	0.199977	-1.525850	0.1379
LOG(KURS?)	2.355696	2.476339	0.951282	0.3493

R-squared	0.187745	Mean dependent var	0.772347
Adjusted R-squared	0.075710	S.D. dependent var	0.723968
S.E. of regression	0.696023	Akaike info criterion	2.248185
Sum squared resid	14.04900	Schwarz criterion	2.472650
Log likelihood	-33.21915	Hannan-Quinn criter.	2.324734
F-statistic	1.675773	Durbin-Watson stat	0.871034
Prob(F-statistic)	0.182536		

Random effect

Dependent Variable: LOG(Y?)
Method: Pooled EGLS (Cross-section random effects)
Date: 02/24/16 Time: 21:30
Sample: 2010 2014
Included observations: 5
Cross-sections included: 7
Total pool (unbalanced) observations: 34
Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-21.17601	14.57806	-1.452595	0.1571
LOG(TA?)	0.051030	0.045894	1.111910	0.2753
NPL?	-0.210530	0.087120	-2.416544	0.0222
BIRATE?	-0.237598	0.138422	-1.716469	0.0967
LOG(KURS?)	2.583937	1.647312	1.568577	0.1276
Random Effects (Cross)				
_BNI--C	0.365923			
_BRI--C	0.098265			
_BCA--C	-0.077922			
_MANDIRI--C	-0.232004			
_MEGA--C	-0.130067			
_PANIN--C	-0.810619			
_BUKOPIN--C	0.786423			
Effects Specification				
			S.D.	Rho
Cross-section random			0.483454	0.5267
Idiosyncratic random			0.458259	0.4733
Weighted Statistics				
R-squared	0.297905	Mean dependent var		0.301178
Adjusted R-squared	0.201064	S.D. dependent var		0.561787
S.E. of regression	0.504021	Sum squared resid		7.367079
F-statistic	3.076239	Durbin-Watson stat		1.535892
Prob(F-statistic)	0.031522			
Unweighted Statistics				
R-squared	0.101904	Mean dependent var		0.772347
Sum squared resid	15.53374	Durbin-Watson stat		0.728417

Hausman Test

Correlated Random Effects - Hausman Test

Pool: POOLRE

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	0.000000	4	1.0000

* Cross-section test variance is invalid. Hausman statistic set to zero.

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(TA?)	-0.329534	0.051030	0.044732	0.0720
NPL?	-0.333386	-0.210530	0.003872	0.0483
BIRATE?	-0.174630	-0.237598	0.001422	0.0950
LOG(KURS?)	4.264601	2.583937	0.914227	0.0788

Cross-section random effects test equation:

Dependent Variable: LOG(Y?)

Method: Panel Least Squares

Date: 02/24/16 Time: 21:49

Sample: 2010 2014

Included observations: 5

Cross-sections included: 7

Total pool (unbalanced) observations: 34

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-34.30463	16.36220	-2.096578	0.0472
LOG(TA?)	-0.329534	0.216421	-1.522657	0.1415
NPL?	-0.333386	0.107060	-3.113997	0.0049
BIRATE?	-0.174630	0.143468	-1.217205	0.2359
LOG(KURS?)	4.264601	1.904695	2.238994	0.0351

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.720747	Mean dependent var	0.772347
Adjusted R-squared	0.599333	S.D. dependent var	0.723968
S.E. of regression	0.458259	Akaike info criterion	1.533429
Sum squared resid	4.830036	Schwarz criterion	2.027252
Log likelihood	-15.06830	Hannan-Quinn criter.	1.701837
F-statistic	5.936273	Durbin-Watson stat	2.163058
Prob(F-statistic)	0.000206		