Lampiran 1

DATA PENELITIAN

No	Provinsi	Tahun	Zakat	IG	JPM	IPM	PE
1	NAD	2008		0.290	959.70	70.76	104,597
		2009		0.288	892.86	71.31	98,833
		2010	1,466,128.81	0.301	861.85	67.09	101,545
		2011	18,124.07	0.326	894.81	67.45	104,874
		2012	71,941.97	0.341	876.56	67.81	108,915
		2013	38.00	0.331	855.71	68.3	111,756
		2014	106,898.00	0.337	837.42	68.81	113,490
		2015	15,654.68	0.339	859.41	69.45	112,661
		2016	6,651.15	0.341	841.31	70	116,387
2	Sumatra Utara	2008		0.323	1613.80	73.29	296,094
		2009		0.317	1499.68	73.80	311,117
		2010	3,037,022.50	0.346	1490.89	67.09	331,085
		2011	32,000.00	0.305	1481.31	67.34	353,148
		2012		0.331	1378.45	67.74	375,924
		2013		0.328	1390.80	68.36	398,727
		2014		0.310	1360.60	68.87	419,573
		2015	4,276.59	0.326	1508.14	69.51	440,956
		2016	7,415.29	0.312	1452.55	70	463,775
3	Sumatra Barat	2008		0.308	477.20	72.96	95,060
		2009		0.298	429.25	73.44	99,129
		2010	1,717,919.51	0.325	430.02	67.25	105,018
		2011	489.05	0.332	442.09	67.81	111,679
		2012	13,375.22	0.355	397.86	68.36	118,724
		2013	282.66	0.351	380.63	68.91	125,941
		2014	377.95	0.332	354.74	69.36	133,341
		2015	4,763.61	0.319	349.53	69.98	140,705
		2016	24,281.25	0.312	376.51	70.73	148,111
4	Riau	2008		0.328	566.70	75.09	362,137
		2009		0.331	527.49	75.60	372,875
		2010	1,721,389.25	0.326	500.26	68.65	388,578
		2011	1,810.00	0.324	482.05	68.9	410,216
		2012		0.383	481.31	69.15	425,626
		2013	1,344.40	0.393	522.53	69.91	436,188
		2014		0.379	498.28	70.33	447,987
		2015	20,153.31	0.366	562.92	70.84	448,992

		2016	32,759.60	0.347	501.59	71.2	458,998
5	Jambi	2008		0.295	260.30	71.99	79,344
		2009		0.269	249.69	72.45	84,411
		2010	1,044,537.57	0.304	241.61	65.39	90,618
		2011	993.10	0.348	272.67	66.14	97,741
		2012		0.359	270.08	66.94	104,615
		2013	1.38	0.327	281.57	67.76	111,766
		2014		0.342	281.75	68.24	119,991
		2015	1,074.22	0.344	311.56	68.89	125,036
		2016	9,338.51	0.346	290.81	69.62	130,500
6	Sumatra Selatan	2008		0.313	1249.60	72.05	176,410
		2009		0.313	1167.87	72.61	183,665
		2010	2,385.59	0.340	1125.73	64.44	194,013
		2011	1,840.04	0.401	1074.81	65.12	206,361
		2012	1.08	0.397	1042.04	65.79	220,459
		2013	968.52	0.375	1108.21	66.16	232,175
		2014	1,376.40	0.381	1085.80	66.75	243,298
		2015	3,399.71	0.334	1112.53	67.46	254,045
		2016	6,709.95	0.362	1096.50	68.24	266,815
7	Bengkulu	2008		0.348	352	72.14	25,301
		2009		0.302	324.13	72.55	26,722
		2010	593.84	0.365	324.93	65.35	28,353
		2011	919.48	0.372	303.60	65.96	30,295
		2012	246.61	0.360	310.47	66.61	32,363
		2013	10.64	0.372	320.41	67.5	34,326
		2014		0.355	316.50	68.06	36,207
		2015	1,362.95	0.371	322.83	68.59	38,066
		2016	3,160.33	0.354	325.60	69.33	40,083
8	Lampung	2008	819,931,660	0.362	1591.60	70.30	135,082
		2009	925,478,674	0.353	1558.28	70.93	142,192
		2010	2,694.95	0.360	1479.93	63.71	150,561
		2011	1,016.77	0.322	1298.71	64.2	160,438
		2012		0.356	1218.99	64.87	170,769
		2013		0.356	1134.28	65.73	180,620
		2014		0.331	1143.93	66.42	189,797
		2015		0.352	1100.68	66.95	199,536
		2016	3,516.92	0.358	1139.78	67.65	209,807
9	Kep Bangka Belitung	2008		0.275	86.70	72.19	32,344
		2009		0.288	76.63	71.55	33,553

		2010	347.40	0.296	67.75	66.02	35,562
		2011		0.320	72.06	66.59	38,014
		2012	102.55	0.311	70.21	67.21	40,105
		2013	396.49	0.307	70.90	67.92	42,191
		2014	479.03	0.295	67.23	68.27	44,159
		2015	1,201.35	0.275	66.62	69.05	45,961
		2016	4,443.63	0.288	71.07	69.55	47,853
10	Kep Riau	2008	1,864,431,534	0.316	136.40	74.18	100,228
		2009	2,500,332,196	0.287	128.21	74.54	103,759
		2010	528.22	0.293	129.66	71.13	111,224
		2011		0.379	129.56	71.61	118,961
		2012		0.393	131.22	72.36	128,035
		2013		0.380	125.02	73.02	137,264
		2014	681.38	0.437	124.17	73.4	146,325
		2015	2,977.64	0.339	114.83	73.75	155,113
		2016	5,735.20	0.352	119.14	73.99	162,923
11	DKI Jakarta	2008	10,232,624,308	0.362	379.60	77.03	961,313
		2009	43,749,694,421	0.356	323.17	77.36	1,009,541
		2010	14,868.04	0.361	312.18	76.31	1,075,183
		2011	64,780.81	0.402	363.42	76.98	1,147,558
		2012	20,245.40	0.437	366.77	77.53	1,222,528
		2013	27,808.20	0.404	375.70	78.08	1 296 695
		2014	117,539.40	0.436	412.79	78.39	1,373,389
		2015	192,060.27	0.421	368.67	78.99	1,454,346
		2016	130,982.05	0.397	385.84	79.60	1,539,377
12	Jawa Barat	2008	1,006,997,354	0.360	5322.40	71.12	819,407
		2009	1,580,988,985	0.365	4983.57	71.64	853,733
		2010	17,668.51	0.356	4773.72	66.15	906,686
		2011	4,325.42	0.380	4648.63	66.67	965,622
		2012	12,719.42	0.422	4421.48	67.32	1,028,410
		2013	5,986.26	0.406	4382.65	68.25	1,093,544
		2014	18,613.00	0.398	4238.96	68.80	1,149,216
		2015	45,208.42	0.426	4485.65	69.50	1,207,083
		2016	65,812.48	0.402	4168.11	70.05	1,275,546
13	Jawa Tengah	2008		0.325	6189.60	71.60	560,037
		2009		0.319	5725.69	72.10	588,830
		2010	13,280.26	0.341	5369.16	66.08	623,225
		2011	126.27	0.357	5107.36	66.64	656,268

		2012	1.76	0.372	4863.41	67.21	691,343
		2013	23.53	0.390	4704.87	68.02	726,655
		2014	241.84	0.388	4561.82	68.78	764,959
		2015	1,872.20	0.382	4505.78	69.49	806,775
		2016	11,352.13	0.357	4493.75	69.98	849,384
14	Yogyakarta	2008	5,153,242,027	0.376	616.30	74.88	59,048
		2009	6,200,000,000	0.376	585.78	75.23	61,667
		2010	1,510.13	0.407	577.30	75.37	64,679
		2011	371.23	0.423	560.88	75.93	68,050
		2012		0.449	562.11	76.15	71,702
		2013		0.416	535.18	76.44	75,627
		2014		0.435	532.59	76.81	79,536
		2015	39.23	0.420	485.56	77.59	83,474
		2016	4,495.72	0.425	488.83	78.38	87,688
15	Jawa Timur	2008	28,038,146,332	0.346	6651.30	70.38	884,309
		2009	30,097,221,688	0.334	6022.59	71.06	928,655
		2010	15,494.89	0.337	5529.30	65.36	990,649
		2011	4,500.00	0.351	5356.21	66.06	1,054,402
		2012	41.45	0.362	4960.54	66.74	1,124,465
		2013	553.20	0.368	4865.82	67.55	1,192,790
		2014	703,067,736.76	0.403	4748.42	68.14	1,262,684
		2015	19,948.99	0.403	4775.97	68.95	1,331,395
		2016	29,838.69	0.402	4638.53	69.74	1,405,236
16	Banten	2008		0.354	816.70	69.70	244,331
		2009		0.369	788.07	70.06	255,836
		2010	4,115.89	0.419	758.16	67.54	271,465

Keterangan:

Zakat : Data nilai penghimpunan zakat di Idnonesia (Miliar Rupiah).

IG : Data *Gini Ratio* atau Indeks Ketimpangan Pendapatan (Persen).

JPM : Data Jumlah Penduduk Miskin (Ribu).

IPM : Data Indek Pembangunan Manusia (Persen)

PE : Data Pertumbuhan Ekonomi Tiap Provinsi yang didapartkan dari nilai PDRB Harga Konstan 2010

Lampiran 2

Hasil Uji Unit Root Tingkat Level

Null Hypothesis: Unit root (individual unit root process)
Series: LOGJPM
Date: 07/17/18 Time: 07:02
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 264
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	186.086	0.0000
PP - Choi Z-stat	-6.52456	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LOGJPM

Cross section	Prob.	Bandwidth	Obs
1	0.0421	1.0	8
2	0.1181	1.0	8
3	0.3550	3.0	8
4	0.0952	0.0	8
5	0.6694	0.0	8
6	0.0136	3.0	8
7	0.0235	3.0	8
8	0.5079	0.0	8
9	0.0001	7.0	8
10	0.5331	1.0	8
11	0.4107	0.0	8
12	0.1758	1.0	8
13	0.0001	0.0	8
14	0.8427	1.0	8
15	0.0104	0.0	8
16	0.1496	4.0	8
17	0.1988	0.0	8
18	0.2868	5.0	8
19	0.5776	0.0	8
20	0.0009	7.0	8
21	0.0006	7.0	8
22	0.0000	7.0	8
23	0.2882	1.0	8
24		Dropped from Test	
25	0.2776	0.0	8
26	0.1287	2.0	8
27	0.0365	4.0	8
28	0.2895	5.0	8
29	0.3938	0.0	8

30	0.0129	6.0	8
31	0.5417	1.0	8
32	0.6885	2.0	8
33	0.3878	2.0	8
34	0.7154	0.0	8

Null Hypothesis: Unit root (individual unit root process)
Series: LOGPE
Date: 07/17/18 Time: 07:03
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total number of observations: 262
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	68.0114	0.4086
PP - Choi Z-stat	2.66582	0.9962

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LOGPE

Cross section	Prob.	Bandwidth	Obs
1	0.9066	1.0	8
2	0.6440	1.0	8
3	0.9547	1.0	8
4	0.1385	3.0	8
5	0.2339	2.0	8
6	0.8462	1.0	8
7	0.5691	1.0	8
8	0.6120	2.0	8
9	0.6338	3.0	8
10	0.9374	0.0	8
11	0.9213	2.0	6
12	0.9226	1.0	8
13	0.6565	7.0	8
14	0.9912	0.0	8
15	0.8164	0.0	8
16	0.8602	0.0	8
17	0.9891	0.0	8
18	0.9266	0.0	8
19	0.9725	2.0	8
20	0.8961	1.0	8
21	0.9836	0.0	8
22	0.2393	2.0	8
23	0.0682	6.0	8
24		Dropped from Test	
25	0.0004	7.0	8
26	0.9997	7.0	8
27	0.9264	0.0	8
28	0.3338	4.0	8
29	0.1123	0.0	8
30	0.1634	7.0	8
31	0.8216	1.0	8
32	0.0935	3.0	8
33	0.6998	0.0	8

34	0.0009	7.0	8

Null Hypothesis: Unit root (individual unit root process)
Series: LOGZAKAT
Date: 07/17/18 Time: 07:03
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total number of observations: 112
Cross-sections included: 22 (12 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	88.3085	0.0001
PP - Choi Z-stat	-1.77525	0.0379

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results LOGZAKAT

Cross section	Prob.	Bandwidth	Obs
1	0.0046	5.0	6
2		Dropped from Test	
3	0.0020	5.0	6
4		Dropped from Test	
5		Dropped from Test	

Null Hypothesis: Unit root (individual unit root process)
Series: IPM
Date: 07/17/18 Time: 07:04
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total number of observations: 267
Cross-sections included: 34

Method	Statistic	Prob.**
PP - Fisher Chi-square	88.8750	0.0455
PP - Choi Z-stat	-2.18352	0.0145

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results IPM

Cross section	Prob.	Bandwidth	Obs
1	0.3357	1.0	8
2	0.2083	3.0	8
3	0.2424	2.0	8
4	0.1518	4.0	8
5	0.2453	2.0	8
6	0.1611	4.0	8
7	0.2359	2.0	8
8	0.2555	2.0	8
9	0.2068	1.0	8
10	0.3669	0.0	8
11	0.9866	3.0	8
12	0.3259	1.0	8
13	0.2996	1.0	8
14	0.9998	2.0	8
15	0.3312	0.0	8
16	0.6724	0.0	8
17	0.9497	3.0	8
18	0.6696	0.0	8
19	0.1878	3.0	8
20	0.2743	2.0	8
21	0.1416	4.0	8
22	0.4098	0.0	8
23	0.3635	0.0	8
24	0.4668	2.0	3
25	0.0740	6.0	8
26	0.2090	3.0	8
27	0.3405	1.0	8
28	0.4396	0.0	8
29	0.1887	3.0	8
30	0.1365	4.0	8
31	0.2139	3.0	8
32	0.2978	1.0	8
33	0.0897	5.0	8
34	0.0458	7.0	8

Null Hypothesis: Unit root (individual unit root process)
Series: IG
Date: 07/17/18 Time: 07:04
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 264
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	124.248	0.0000
PP - Choi Z-stat	-4.20960	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results IG

Cross section	Prob.	Bandwidth	Obs
1	0.4284	7.0	8
2	0.0026	3.0	8
3	0.5476	1.0	8
4	0.5303	2.0	8
5	0.6606	7.0	8
6	0.3401	4.0	8
7	0.1844	2.0	8
8	0.0022	6.0	8
9	0.3618	1.0	8
10	0.4502	2.0	8
11	0.4878	6.0	8
12	0.5079	7.0	8
13	0.5390	0.0	8
14	0.3241	0.0	8
15	0.9119	2.0	8
16	0.0020	7.0	8
17	0.4503	2.0	8
18	0.0015	7.0	8
19	0.0097	2.0	8
20	0.3732	0.0	8
21	0.3339	2.0	8
22	0.3380	2.0	8
23	0.4638	7.0	8
24		Dropped from Test	
25	0.3371	0.0	8
26	0.3958	1.0	8
27	0.0603	7.0	8
28	0.0615	0.0	8
29	0.0661	7.0	8
30	0.2819	7.0	8

31	0.5173	7.0	8
32	0.3033	2.0	8
33	0.2296	0.0	8
34	0.0632	2.0	8

Sumber: Hasil Olahan Eviews 9

Lampiran 3

Hasil Uji Unit Root Tingkat Firs Different

Null Hypothesis: Unit root (individual unit root process)
Series: D(IG)
Date: 07/17/18 Time: 07:05
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 231
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	216.860	0.0000
PP - Choi Z-stat	-9.00441	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(IG)

Cross section	Prob.	Bandwidth	Obs
1	0.2578	1.0	7
2	0.0000	6.0	7
3	0.3069	1.0	7
4	0.3918	2.0	7
5	0.1230	2.0	7
6	0.1994	0.0	7
7	0.0084	1.0	7
8	0.0019	6.0	7
9	0.2789	1.0	7
10	0.0682	0.0	7
11	0.1389	2.0	7
12	0.0540	6.0	7
13	0.7358	1.0	7
14	0.0569	1.0	7
15	0.0147	6.0	7
16	0.0149	6.0	7
17	0.4592	1.0	7
18	0.0076	6.0	7
19	0.0000	6.0	7
20	0.0791	1.0	7
21	0.0407	2.0	7
22	0.1116	6.0	7
23	0.0046	6.0	7
24		Dropped from Test	
25	0.1882	0.0	7
26	0.1287	1.0	7
27	0.1472	3.0	7
28	0.0650	0.0	7

29	0.0615	5.0	7
30	0.0110	6.0	7
31	0.2990	3.0	7
32	0.0009	6.0	7
33	0.0241	0.0	7
34	0.0776	1.0	7

Null Hypothesis: Unit root (individual unit root process)
Series: D(IPM)
Date: 07/17/18 Time: 07:05
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 231
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	128.997	0.0000
PP - Choi Z-stat	-6.07676	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(IPM)

Cross section	Prob.	Bandwidth	Obs
1	0.1351	0.0	7
2	0.1430	0.0	7
3	0.1361	0.0	7
4	0.1343	0.0	7
5	0.1401	0.0	7
6	0.1290	0.0	7
7	0.1469	0.0	7
8	0.1402	0.0	7
9	0.2440	1.0	7
10	0.1461	1.0	7
11	0.1536	1.0	7
12	0.1492	0.0	7
13	0.1466	0.0	7
14	0.6039	0.0	7
15	0.1335	0.0	7
16	0.1430	1.0	7
17	0.1025	1.0	7
18	0.1305	0.0	7
19	0.1177	0.0	7
20	0.1501	0.0	7
21	0.1360	0.0	7
22	0.1290	0.0	7
23	0.1074	0.0	7

24		Dropped from Test	
25	0.1318	0.0	7
26	0.1161	0.0	7
27	0.1180	0.0	7
28	0.1347	0.0	7
29	0.1209	0.0	7
30	0.1165	0.0	7
31	0.1315	0.0	7
32	0.1615	0.0	7
33	0.1325	0.0	7
34	0.1251	0.0	7

Null Hypothesis: Unit root (individual unit root process)
Series: D(LOGJPM)
Date: 07/17/18 Time: 07:06
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total (balanced) observations: 231
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	211.167	0.0000
PP - Choi Z-stat	-8.67259	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(LOGJPM)

Cross section	Prob.	Bandwidth	Obs
1	0.0017	6.0	7
2	0.0524	0.0	7
3	0.2531	1.0	7
4	0.0419	1.0	7
5	0.0012	6.0	7
6	0.1585	0.0	7
7	0.0216	5.0	7
8	0.4749	1.0	7
9	0.1955	4.0	7
10	0.0197	0.0	7
11	0.0033	6.0	7
12	0.0429	1.0	7
13	0.8859	1.0	7
14	0.0047	0.0	7
15	0.2585	2.0	7
16	0.0934	1.0	7
17	0.2413	1.0	7
18	0.5114	0.0	7
19	0.0700	0.0	7

20	0.0721	1.0	7
21	0.0088	4.0	7
22	0.0001	6.0	7
23	0.0528	2.0	7
24		Dropped from Test	
25	0.0990	1.0	7
26	0.4166	0.0	7
27	0.0680	1.0	7
28	0.2585	0.0	7
29	0.1219	1.0	7
30	0.0050	6.0	7
31	0.4121	0.0	7
32	0.0011	4.0	7
33	0.1130	0.0	7
34	0.0025	6.0	7

Null Hypothesis: Unit root (individual unit root process)
Series: D(LOGPE)
Date: 07/17/18 Time: 07:06
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total number of observations: 228
Cross-sections included: 33 (1 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	127.914	0.0000
PP - Choi Z-stat	-4.85269	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(LOGPE)

Cross section	Prob.	Bandwidth	Obs
1	0.0101	1.0	7
2	0.4507	1.0	7
3	0.0683	1.0	7
4	0.5552	0.0	7
5	0.7432	1.0	7
6	0.3155	1.0	7
7	0.6334	1.0	7
8	0.5615	1.0	7
9	0.3329	1.0	7
10	0.0658	1.0	7
11	0.1625	0.0	4
12	0.1324	1.0	7
13	0.0496	0.0	7
14	0.0945	0.0	7
15	0.1589	1.0	7

16	0.3208	1.0	7
17	0.1799	0.0	7
18	0.2886	0.0	7
19	0.0486	1.0	7
20	0.2966	2.0	7
21	0.0173	1.0	7
22	0.7191	0.0	7
23	0.2605	0.0	7
24		Dropped from Test	
25	0.0305	1.0	7
26	0.0145	6.0	7
27	0.0863	1.0	7
28	0.5443	1.0	7
29	0.8396	0.0	7
30	0.2030	1.0	7
31	0.0019	6.0	7
32	0.3472	1.0	7
33	0.0507	1.0	7
34	0.3539	4.0	7

Null Hypothesis: Unit root (individual unit root process)
Series: D(LOGZAKAT)
Date: 07/17/18 Time: 07:07
Sample: 2008 2016
Exogenous variables: Individual effects
Newey-West automatic bandwidth selection and Bartlett kernel
Total number of observations: 70
Cross-sections included: 14 (20 dropped)

Method	Statistic	Prob.**
PP - Fisher Chi-square	61.8720	0.0002
PP - Choi Z-stat	-3.66357	0.0001

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Intermediate Phillips-Perron test results D(LOGZAKAT)

Cross section	Prob.	Bandwidth	Obs
1	0.0055	4.0	5
2		Dropped from Test	
3	0.0117	3.0	5
4		Dropped from Test	
5		Dropped from Test	
6	0.0657	4.0	5
7		Dropped from Test	
8		Dropped from Test	
9	0.3139	0.0	3
10		Dropped from Test	
11	0.0705	0.0	7

12	0.1855	0.0	7
13	0.2490	4.0	5
14		Dropped from Test	
15	0.0929	0.0	7
16	0.3317	2.0	5
17		Dropped from Test	
18		Dropped from Test	
19		Dropped from Test	
20	0.5432	1.0	3
21		Dropped from Test	
22	0.9768	2.0	3
23	0.0965	0.0	7
24		Dropped from Test	
25	0.0621	4.0	5
26		Dropped from Test	
27		Dropped from Test	
28		Dropped from Test	
29	0.0858	2.0	3
30		Dropped from Test	
31		Dropped from Test	
32		Dropped from Test	
33		Dropped from Test	
34		Dropped from Test	

Lampiran 4

Hasil Hasil Uji Kointegrasi Kao

Kao Residual Cointegration Test
Series: LOGJPM LOGZAKAT IPM IG LOGPE
Date: 07/17/18 Time: 07:37
Sample: 2008 2016
Included observations: 306
Null Hypothesis: No cointegration
Trend assumption: No deterministic trend
User-specified lag length: 1
Newey-West automatic bandwidth selection and Bartlett kernel

	t-Statistic	Prob.
ADF	2.141784	0.0161
Residual variance	0.003688	
HAC variance	0.003266	

Augmented Dickey-Fuller Test Equation
Dependent Variable: D(RESID)
Method: Least Squares
Date: 07/17/18 Time: 07:37
Sample (adjusted): 2010 2016
Included observations: 82 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RESID(-1)	-0.682360	0.131161	-5.202481	0.0000
D(RESID(-1))	-0.009250	0.109225	-0.084691	0.9327

R-squared	0.356961	Mean dependent var	-0.000659
Adjusted R-squared	0.348923	S.D. dependent var	0.067316
S.E. of regression	0.054317	Akaike info criterion	-2.963864
Sum squared resid	0.236029	Schwarz criterion	-2.905164
Log likelihood	123.5184	Hannan-Quinn criter.	-2.940297
Durbin-Watson stat	1.856733		

Sumber: Hasil Olahan Eviews 9

Lampiran 5

Hasil Regresi Model Empiris VECM

Vector Error Correction Estimates
Date: 07/16/18 Time: 05:34
Sample (adjusted): 2012 2016
Included observations: 37 after adjustments
Standard errors in ( ) & t-statistics in [ ]

Cointegrating Eq:	CointEq1
LOGZAKAT(-1)	1.000000
LOGPE(-1)	-11.46355 (7.55468) [-1.51741]
LOGJPM(-1)	-3.531158 (7.15225) [-0.49371]
IG(-1)	227.1058 (158.988) [1.42845]
IPM(-1)	2.998739 (2.91392) [1.02911]
C	-130.5466

Error Correction:	D(LOGZAKAT)	D(LOGPE)	D(LOGJPM)	D(IG)	D(IPM)
CointEq1	-0.049363 (0.04535) [-1.08855]	-0.000194 (0.00032) [-0.61711]	0.001029 (0.00060) [1.72757]	-0.000429 (0.00029) [-1.49867]	-0.004973 (0.00174) [-2.85240]
D(LOGZAKAT(-1))	-0.647308 (0.16308) [-3.96926]	0.000320 (0.00113) [0.28219]	0.001848 (0.00214) [0.86254]	-0.000154 (0.00103) [-0.15001]	0.013730 (0.00627) [2.18999]
D(LOGZAKAT(-2))	-0.608432 (0.18994) [-3.20336]	0.000929 (0.00132) [0.70392]	0.001402 (0.00250) [0.56183]	-0.000554 (0.00120) [-0.46185]	0.010879 (0.00730) [1.48998]
D(LOGZAKAT(-3))	-0.217312 (0.19117) [-1.13673]	0.001132 (0.00133) [0.85210]	0.000819 (0.00251) [0.32626]	0.001081 (0.00121) [0.89597]	0.006592 (0.00735) [0.89696]
D(LOGPE(-1))	19.65721 (30.0281) [0.65463]	0.308435 (0.20866) [1.47818]	-0.471457 (0.39452) [-1.19500]	-0.112270 (0.18957) [-0.59225]	-0.508319 (1.15438) [-0.44034]
D(LOGPE(-2))	9.673531 (27.0761) [0.35727]	0.275106 (0.18815) [1.46220]	1.634064 (0.35574) [4.59344]	0.256274 (0.17093) [1.49930]	1.058277 (1.04089) [1.01670]

D(LOGPE(-3))	10.41853	0.231098	-0.412808	-0.417084	0.232207
	(32.4799)	(0.22570)	(0.42674)	(0.20504)	(1.24863)
	[0.32077]	[1.02394]	[-0.96736]	[-2.03413]	[0.18597]
D(LOGJPM(-1))	-6.886890	-0.019109	-0.227722	0.195996	0.498961
	(13.7117)	(0.09528)	(0.18015)	(0.08656)	(0.52712)
	[-0.50227]	[-0.20056]	[-1.26407]	[2.26426]	[0.94658]
D(LOGJPM(-2))	14.92208	-0.015396	0.152686	-0.185886	0.256092
	(18.2298)	(0.12667)	(0.23951)	(0.11508)	(0.70081)
	[0.81856]	[-0.12154]	[0.63749]	[-1.61523]	[0.36542]
D(LOGJPM(-3))	20.38184	-0.145945	-0.230000	-0.033431	-0.191498
	(12.8529)	(0.08931)	(0.16887)	(0.08114)	(0.49411)
	[1.58578]	[-1.63410]	[-1.36202]	[-0.41202]	[-0.38756]
D(IG(-1))	-7.196847	-0.238351	0.107476	-0.182551	-0.661612
	(27.4138)	(0.19049)	(0.36018)	(0.17306)	(1.05387)
	[-0.26253]	[-1.25124]	[0.29840]	[-1.05483]	[-0.62779]
D(IG(-2))	3.952916	0.382650	-0.486937	-0.352854	0.310074
	(27.9258)	(0.19405)	(0.36690)	(0.17629)	(1.07356)
	[0.14155]	[1.97191]	[-1.32716]	[-2.00152]	[0.28883]
D(IG(-3))	-0.135184	-0.117407	0.260962	-0.037596	-0.417448
	(33.1823)	(0.23058)	(0.43597)	(0.20948)	(1.27564)
	[-0.00407]	[-0.50919]	[0.59858]	[-0.17948]	[-0.32725]
D(IPM(-1))	2.081544	-0.004249	0.050965	0.011535	-0.011347
	(4.43650)	(0.03083)	(0.05829)	(0.02801)	(0.17055)
	[0.46919]	[-0.13784]	[0.87436]	[0.41186]	[-0.06653]
D(IPM(-2))	2.019875	-0.002530	0.004734	7.90E-05	-0.023081
	(0.57872)	(0.00402)	(0.00760)	(0.00365)	(0.02225)
	[3.49024]	[-0.62914]	[0.62254]	[0.02161]	[-1.03745]
D(IPM(-3))	1.143965	0.001752	-0.002558	-0.003789	-0.051913
	(0.59764)	(0.00415)	(0.00785)	(0.00377)	(0.02298)
	[1.91414]	[0.42178]	[-0.32579]	[-1.00435]	[-2.25953]
C	-2.325939	0.001652	-0.086762	0.005809	0.591185
	(3.25602)	(0.02263)	(0.04278)	(0.02056)	(0.12517)
	[-0.71435]	[0.07302]	[-2.02815]	[0.28261]	[4.72298]
R-squared	0.564836	0.667960	0.661846	0.688222	0.606741
Adj. R-squared	0.216704	0.402328	0.391323	0.438800	0.292134
Sum sq. resids	183.0542	0.008839	0.031599	0.007295	0.270532
S.E. equation	3.025344	0.021022	0.039748	0.019099	0.116304
F-statistic	1.622478	2.514606	2.446539	2.759267	1.928566
Log likelihood	-82.07971	101.7803	78.21206	105.3311	38.48747
Akaike AIC	5.355660	-4.582721	-3.308760	-4.774652	-1.161485
Schwarz SC	6.095812	-3.842569	-2.568608	-4.034501	-0.421334
Mean dependent	0.794107	0.043161	-0.013524	0.000595	0.605135
S.D. dependent	3.418314	0.027193	0.050948	0.025495	0.138235
Determinant resid covariance (dof adj.)		2.43E-11			
Determinant resid covariance		1.12E-12			

Log likelihood	246.5866
Akaike information criterion	-8.464143
Schwarz criterion	-4.545694

Sumber: Hasil Olahan Eviews 9

Lampiran 6

Hasil Probabilitas PVECM

System: UNTITLED
Estimation Method: Least Squares
Date: 07/16/18 Time: 05:35
Sample: 2012 2016
Included observations: 42
Total system (unbalanced) observations 205

	Coefficient	Std. Error	t-Statistic	Prob.
C(1)	-0.045876	0.044760	-1.024930	0.3075
C(2)	-0.630392	0.160359	-3.931130	0.0001
C(3)	-0.539195	0.167915	-3.211124	0.0017
C(4)	-0.143892	0.166595	-0.863728	0.3895
C(5)	10.96629	27.78371	0.394702	0.6938
C(6)	9.019032	26.83601	0.336080	0.7374
C(7)	11.84140	32.15867	0.368218	0.7134
C(8)	-6.058166	13.55782	-0.446839	0.6558
C(9)	4.886351	13.18711	0.370540	0.7116
C(10)	16.99471	12.04224	1.411258	0.1608
C(11)	-5.964564	27.14052	-0.219766	0.8264
C(12)	-7.313391	23.96121	-0.305218	0.7607
C(13)	9.452461	30.70990	0.307798	0.7588
C(14)	1.891381	4.392901	0.430554	0.6676
C(15)	1.895213	0.552917	3.427662	0.0008
C(16)	0.926638	0.528680	1.752739	0.0822
C(17)	-2.008100	3.204773	-0.626597	0.5321
C(18)	-0.000128	0.000267	-0.479175	0.6327
C(19)	-0.000123	0.000977	-0.125920	0.9000
C(20)	0.000410	0.001004	0.407970	0.6840
C(21)	0.001279	0.001227	1.042358	0.2993
C(22)	0.328802	0.192656	1.706680	0.0905
C(23)	0.296062	0.175122	1.690606	0.0935
C(24)	0.184715	0.197855	0.933591	0.3524
C(25)	-0.015307	0.071531	-0.213997	0.8309
C(26)	-0.016179	0.116473	-0.138905	0.8898
C(27)	-0.121114	0.079934	-1.515164	0.1324
C(28)	-0.170837	0.171441	-0.996477	0.3210
C(29)	0.339882	0.165722	2.050924	0.0425
C(30)	-0.089600	0.206407	-0.434096	0.6650
C(31)	0.006358	0.026458	0.240312	0.8105
C(32)	-0.000120	0.003089	-0.038688	0.9692
C(33)	0.002012	0.003773	0.533387	0.5948
C(34)	-0.003712	0.019371	-0.191651	0.8483
C(35)	0.000881	0.000478	1.843355	0.0677
C(36)	0.002285	0.001819	1.256137	0.2115
C(37)	0.001621	0.001748	0.927565	0.3555
C(38)	0.000696	0.002038	0.341618	0.7332
C(39)	-0.457987	0.340432	-1.345312	0.1811
C(40)	1.577805	0.325758	4.843486	0.0000
C(41)	-0.422186	0.364488	-1.158297	0.2490
C(42)	-0.209795	0.131863	-1.591010	0.1142
C(43)	0.127253	0.162927	0.781040	0.4363
C(44)	-0.207899	0.141402	-1.470271	0.1441
C(45)	0.088967	0.318854	0.279022	0.7807
C(46)	-0.468401	0.276226	-1.695715	0.0925
C(47)	0.258781	0.367423	0.704315	0.4826

C(48)	0.029793	0.049285	0.604505	0.5466
C(49)	0.004109	0.005550	0.740412	0.4605
C(50)	-0.002949	0.006465	-0.456151	0.6491
C(51)	-0.072366	0.036072	-2.006133	0.0471
C(52)	-0.000285	0.000256	-1.115208	0.2670
C(53)	-0.000395	0.000974	-0.405789	0.6856
C(54)	-0.001922	0.000936	-2.053433	0.0422
C(55)	9.42E-05	0.001091	0.086375	0.9313
C(56)	0.010628	0.182251	0.058313	0.9536
C(57)	0.197722	0.174395	1.133760	0.2592
C(58)	-0.286762	0.195129	-1.469598	0.1443
C(59)	0.087627	0.070593	1.241307	0.2169
C(60)	-0.088013	0.087223	-1.009057	0.3150
C(61)	0.004884	0.075700	0.064518	0.9487
C(62)	-0.250774	0.170699	-1.469097	0.1444
C(63)	-0.119174	0.147878	-0.805892	0.4219
C(64)	-0.241343	0.196700	-1.226957	0.2222
C(65)	0.006888	0.026385	0.261072	0.7945
C(66)	0.000262	0.002971	0.088207	0.9299
C(67)	-0.000637	0.003461	-0.184092	0.8543
C(68)	3.52E-05	0.019311	0.001822	0.9985
C(69)	-0.004363	0.001625	-2.684524	0.0083
C(70)	0.013903	0.006185	2.247946	0.0264
C(71)	0.009684	0.005944	1.629125	0.1059
C(72)	0.004106	0.006930	0.592494	0.5546
C(73)	-0.474275	1.157663	-0.409683	0.6828
C(74)	0.930384	1.107764	0.839875	0.4026
C(75)	0.807267	1.239468	0.651301	0.5161
C(76)	0.147981	0.448408	0.330013	0.7420
C(77)	0.500549	0.554045	0.903444	0.3681
C(78)	-0.453839	0.480847	-0.943833	0.3472
C(79)	-1.124777	1.084288	-1.037342	0.3017
C(80)	1.160034	0.939328	1.234962	0.2193
C(81)	-1.017238	1.249447	-0.814151	0.4172
C(82)	-0.025581	0.167598	-0.152633	0.8789
C(83)	-0.031448	0.018874	-1.666248	0.0983
C(84)	-0.045136	0.021984	-2.053109	0.0422
C(85)	0.569909	0.122667	4.645999	0.0000

Determinant residual covariance	1.82E-12

Equation: D(LOGZAKAT) = C(1)*(LOGZAKAT(-1) - 11.4635545749 *LOGPE(-1) - 3.53115803745*LOGJPM(-1) + 227.105817809*IG(-1) + 2.99873851394*IPM(-1) - 130.546560545) + C(2)*D(LOGZAKAT(-1)) + C(3)*D(LOGZAKAT(-2)) + C(4)*D(LOGZAKAT(-3)) + C(5) *D(LOGPE(-1)) + C(6)*D(LOGPE(-2)) + C(7)*D(LOGPE(-3)) + C(8) *D(LOGJPM(-1)) + C(9)*D(LOGJPM(-2)) + C(10)*D(LOGJPM(-3)) + C(11)*D(IG(-1)) + C(12)*D(IG(-2)) + C(13)*D(IG(-3)) + C(14)*D(IPM(-1)) + C(15)*D(IPM(-2)) + C(16)*D(IPM(-3)) + C(17)

Observations: 38

R-squared	0.550976	Mean dependent var	0.781562
Adjusted R-squared	0.208862	S.D. dependent var	3.372690
S.E. of regression	2.999872	Sum squared resid	188.9839
Durbin-Watson stat	2.617346		

Equation: D(LOGPE) = C(18)*(LOGZAKAT(-1) - 11.4635545749 *LOGPE(-1) - 3.53115803745*LOGJPM(-1) + 227.105817809*IG(-1) + 2.99873851394*IPM(-1) - 130.546560545) + C(19) *D(LOGZAKAT(-1)) + C(20)*D(LOGZAKAT(-2)) + C(21)

*D(LOGZAKAT(-3)) + C(22)*D(LOGPE(-1)) + C(23)*D(LOGPE(-2)) + C(24)*D(LOGPE(-3)) + C(25)*D(LOGJPM(-1)) + C(26)*D(LOGJPM(-2)) + C(27)*D(LOGJPM(-3)) + C(28)*D(IG(-1)) + C(29)*D(IG(-2)) + C(30)*D(IG(-3)) + C(31)*D(IPM(-1)) + C(32)*D(IPM(-2)) + C(33)*D(IPM(-3)) + C(34)			
Observations: 41			
R-squared	0.650992	Mean dependent var	0.044448
Adjusted R-squared	0.418320	S.D. dependent var	0.026130
S.E. of regression	0.019929	Sum squared resid	0.009532
Durbin-Watson stat	2.787658		
Equation: D(LOGJPM) = C(35)*(LOGZAKAT(-1) - 11.4635545749 *LOGPE(-1) - 3.53115803745*LOGJPM(-1) + 227.105817809*IG(-1) + 2.99873851394*IPM(-1) - 130.546560545) + C(36) *D(LOGZAKAT(-1)) + C(37)*D(LOGZAKAT(-2)) + C(38) *D(LOGZAKAT(-3)) + C(39)*D(LOGPE(-1)) + C(40)*D(LOGPE(-2)) + C(41)*D(LOGPE(-3)) + C(42)*D(LOGJPM(-1)) + C(43)*D(LOGJPM(-2)) + C(44)*D(LOGJPM(-3)) + C(45)*D(IG(-1)) + C(46)*D(IG(-2)) + C(47)*D(IG(-3)) + C(48)*D(IPM(-1)) + C(49)*D(IPM(-2)) + C(50) *D(IPM(-3)) + C(51)			
Observations: 42			
R-squared	0.656587	Mean dependent var	-0.014670
Adjusted R-squared	0.436803	S.D. dependent var	0.049467
S.E. of regression	0.037123	Sum squared resid	0.034453
Durbin-Watson stat	1.613135		
Equation: D(IG) = C(52)*(LOGZAKAT(-1) - 11.4635545749*LOGPE(-1) - 3.53115803745*LOGJPM(-1) + 227.105817809*IG(-1) + 2.99873851394*IPM(-1) - 130.546560545) + C(53)*D(LOGZAKAT(-1)) + C(54)*D(LOGZAKAT(-2)) + C(55)*D(LOGZAKAT(-3)) + C(56) *D(LOGPE(-1)) + C(57)*D(LOGPE(-2)) + C(58)*D(LOGPE(-3)) + C(59)*D(LOGJPM(-1)) + C(60)*D(LOGJPM(-2)) + C(61) *D(LOGJPM(-3)) + C(62)*D(IG(-1)) + C(63)*D(IG(-2)) + C(64)*D(IG(-3)) + C(65)*D(IPM(-1)) + C(66)*D(IPM(-2)) + C(67)*D(IPM(-3)) + C(68)			
Observations: 42			
R-squared	0.641565	Mean dependent var	0.001524
Adjusted R-squared	0.412166	S.D. dependent var	0.025921
S.E. of regression	0.019874	Sum squared resid	0.009874
Durbin-Watson stat	1.976388		
Equation: D(IPM) = C(69)*(LOGZAKAT(-1) - 11.4635545749*LOGPE(-1) - 3.53115803745*LOGJPM(-1) + 227.105817809*IG(-1) + 2.99873851394*IPM(-1) - 130.546560545) + C(70)*D(LOGZAKAT(-1)) + C(71)*D(LOGZAKAT(-2)) + C(72)*D(LOGZAKAT(-3)) + C(73) *D(LOGPE(-1)) + C(74)*D(LOGPE(-2)) + C(75)*D(LOGPE(-3)) + C(76)*D(LOGJPM(-1)) + C(77)*D(LOGJPM(-2)) + C(78) *D(LOGJPM(-3)) + C(79)*D(IG(-1)) + C(80)*D(IG(-2)) + C(81)*D(IG(-3)) + C(82)*D(IPM(-1)) + C(83)*D(IPM(-2)) + C(84)*D(IPM(-3)) + C(85)			
Observations: 42			
R-squared	0.621428	Mean dependent var	0.605952
Adjusted R-squared	0.379143	S.D. dependent var	0.160214
S.E. of regression	0.126240	Sum squared resid	0.398413
Durbin-Watson stat	1.303908		

Sumber: Hasil Olahan Eviews 9