

LAMPIRAN

Lampiran 1

Jumlah PDRB Menurut Harga Konstan 2010 di Provinsi Kalimantan Timur

Tahun 1997 -2017

Tahun	PDRB	Pertumbuhan (%)
1997	271.059.122,21	4,45
1998	268.986.258,72	-0,76
1999	280.376.911,69	4,23
2000	280.495.511,10	0,04
2001	293.767.399,98	4,73
2002	298.878.389,98	1,74
2003	304.434.554,31	1,86
2004	309.765.311,74	1,75
2005	319.495.619,68	3,14
2006	328.689.357,15	2,88
2007	334.723.168,80	1,84
2008	351.123.097,40	4,90
2009	359.145.543,07	2,28
2010	383.293.002,21	5,10
2011	407.435.383,39	6,30
2012	428.877.710,64	5,26
2013	438.532.906,74	2,25
2014	446.029.048,84	1,71
2015	440.647.702,76	-1,21
2016	438.977.044,54	0,38
2017	455.131.399,78	3,68

Sumber : Badan Pusat Statistik

Lampiran 2

Jumlah UMKM, Tenaga Kerja UMKM dan Kredit UMKM di Provinsi

Kalimantan Timur tahun 1997-2017

Tahun	Jumlah UMKM(unit)	Tenaga Kerja UMKM (orang)	Kredit UMKM (juta rupiah)
1997	3249	5891	1.104.537
1998	4432	9372	1.615.587
1999	7609	14584	569.991
2000	8621	22198	756.425
2001	10193	30587	1.388.534
2002	11225	34146	6.244.000
2003	11640	35460	7.107.000
2004	12707	43365	7.444.000
2005	14446	56153	7.880.000
2006	14809	65487	9.039.000
2007	14900	67188	10.920.000
2008	15038	71233	13.575.000
2009	35137	75169	15.932.000
2010	39617	77381	20.696.000
2011	40811	79735	25.620.000
2012	42743	82890	31.140.000
2013	44534	83530	18.360.000
2014	34059	114723	19.250.000
2015	34217	109732	21.780.000
2016	20993	106410	21.140.000
2017	31880	108072	29.460.000

Sumber : Dinas Perindustrian, Perdagangan, Koperasi dan UMKM

Lampiran 3

Nilai Indeks Pembangunan Manusia 14 Besar Tertinggi se-Indonesia Tahun 2014-2017

Provinsi	Tahun			
	2014	2015	2016	2017
DKI Jakarta	78,39	78,99	79,60	80,06
DIY Yogyakarta	76,81	77,59	78,38	79,89
Kalimantan Timur	73,82	74,17	74,59	75,12
Kepulauan Riau	73,40	73,75	73,66	74,45
Bali	73,48	73,27	73,65	74,30
Riau	70,33	70,84	71,20	71,19
Sulawesi Utara	69,96	70,39	71,05	71,66
Banten	69,89	70,27	70,96	71,42
Sumatera Barat	69,39	69,98	70,73	71,24
Sumatera Utara	68,87	69,51	70,00	70,57
Aceh	68,81	69,45	70,00	70,60
Jawa Barat	68,80	68,89	70,05	70,69
Jawa Tengah	68,78	69,49	69,98	70,52
Jawa Timur	68,14	68,95	69,74	70,27
Indonesia	68,90	69,55	70,18	70,81

Sumber: Badan Pusat Statistika

Lampiran 4

Indeks Pembangunan Manusia di Provinsi Kalimantan Timur

tahun 1997-2017

Tahun	Indeks Pembangunan Manusia (%)
1997	71,40
1998	10,97
1999	67,80
2000	68,23
2001	68,77
2002	69,90
2003	70,41
2004	72,24
2005	72,94
2006	73,26
2007	73,77
2008	74,52
2009	75,11
2010	71,31
2011	72,02
2012	72,62
2013	73,21
2014	73,82
2015	74,17
2016	74,59
2017	75,12

Sumber: Badan Pusat Statistika

الجامعة الإسلامية
الاستاذ الدكتور

Lampiran 5
Hasil Uji MWD
Model Linier

Dependent Variable: PDRB

Method: Least Squares

Date: 04/19/19 Time: 10:46

Sample: 1997 2017

Included observations: 21

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.53E+08	7118621.	35.58845	0.0000
JU	1569.593	550.8100	2.849609	0.0122
TU	847.7087	202.8942	4.178083	0.0008
KU	0.001158	0.000882	1.313067	0.2089
IPM	-193.3724	1917.966	-0.100822	0.9210
Z1	2.64E+08	87271821	3.029353	0.0085
R-squared	0.971894	Mean dependent var	3.54E+08	
Adjusted R-squared	0.962525	S.D. dependent var	66384192	
S.E. of regression	12850929	Akaike info criterion	35.81069	
Sum squared resid	2.48E+15	Schwarz criterion	36.10912	
Log likelihood	-370.0122	Hannan-Quinn criter.	35.87545	
F-statistic	103.7383	Durbin-Watson stat	1.319812	
Prob(F-statistic)	0.000000			

Lampiran 6
Hasil Uji MWD
Model Loglinier

Dependent Variable: LOG(PDRB)

Method: Least Squares

Date: 04/19/19 Time: 10:47

Sample: 1997 2017

Included observations: 21

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	17.37637	0.136011	127.7568	0.0000
LOG(JU)	0.183050	0.024890	7.354477	0.0000
LOG(TU)	-0.042882	0.024644	-1.740094	0.1023
LOG(KU)	0.041183	0.012773	3.224171	0.0057
LOG(IPM)	0.006772	0.007297	0.928042	0.3681
Z2	-4.10E-09	4.11E-10	-9.963880	0.0000
R-squared	0.979957	Mean dependent var	19.66902	
Adjusted R-squared	0.973276	S.D. dependent var	0.186140	
S.E. of regression	0.030429	Akaike info criterion	-3.911874	
Sum squared resid	0.013889	Schwarz criterion	-3.613439	
Log likelihood	47.07467	Hannan-Quinn criter.	-3.847106	
F-statistic	146.6779	Durbin-Watson stat	1.838648	
Prob(F-statistic)	0.000000			

Lampiran 7
Perbandingan Nilai Z1 dan Z2

Variabel	t-statistic	Prob	Keterangan
Z1	3.029353	0.0085	Signifikan
Z2	-9.963880	0.0000	Signifikan



Lampiran 8

Hasil Uji Stasioner

In level

Null Hypothesis: Unit root (individual unit root process)

Series: IPM, JU, KU, TU

Date: 04/19/19 Time: 10:56

Sample: 1997 2017

Exogenous variables: Individual effects

User-specified maximum lags

Automatic lag length selection based on SIC: 0

Total (balanced) observations: 80

Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	13.9462	0.0832
ADF - Choi Z-stat	-0.40021	0.3445

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

Intermediate ADF test results UNTITLED

Series	Prob.	Lag	Max Lag	Obs
IPM	0.0024	0	4	20
JU	0.5888	0	4	20
KU	0.8649	0	4	20
TU	0.7541	0	4	20

Lampiran 9

Hasil Uji Stasioner

in 1st Difference

Null Hypothesis: Unit root (individual unit root process)

Series: IPM, JU, KU, TU

Date: 04/19/19 Time: 10:59

Sample: 1997 2017

Exogenous variables: Individual effects

User-specified maximum lags

Automatic lag length selection based on SIC: 0

Total (balanced) observations: 76

Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	59.2660	0.0000
ADF - Choi Z-stat	-6.35699	0.0000

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

Intermediate ADF test results D(UNTITLED)

Series	Prob.	Lag	Max Lag	Obs
D(IPM)	0.0000	0	4	19
D(JU)	0.0038	0	4	19
D(KU)	0.0039	0	4	19
D(TU)	0.0009	0	4	19

Lampiran 10
Hasil Uji Kointegrasi

Null Hypothesis: ECT has a unit root
Exogenous: None
Lag Length: 0 (Automatic - based on SIC, maxlag=4)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-2.543948	0.0139
Test critical values: 1% level	-2.685718	
5% level	-1.959071	
10% level	-1.607456	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
Dependent Variable: D(ECT)
Method: Least Squares
Date: 04/19/19 Time: 14:06
Sample (adjusted): 1998 2017
Included observations: 20 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
ECT(-1)	-0.452018	0.177684	-2.543948	0.0198
R-squared	0.252254	Mean dependent var	-602748.8	
Adjusted R-squared	0.252254	S.D. dependent var	12522055	
S.E. of regression	10828110	Akaike info criterion	35.28190	
Sum squared resid	2.23E+15	Schwarz criterion	35.33168	
Log likelihood	-351.8190	Hannan-Quinn criter.	35.29161	
Durbin-Watson stat	2.048550			

Lampiran 11

Hasil Regresi Jangka Pendek

Dependent Variable: D(PDRB)

Method: Least Squares

Date: 04/19/19 Time: 17:33

Sample (adjusted): 1998 2017

Included observations: 20 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6044274.	2017027.	2.996625	0.0096
D(JU)	212.2772	249.5431	0.850664	0.4093
D(TU)	466.9348	232.2497	2.010486	0.0641
D(KU)	0.000464	0.000381	1.217337	0.2436
D(IPM)	-1909735.	1162398.	-1.642928	0.1227
ECT(-1)	-0.358662	0.122301	-2.932629	0.0109
R-squared	0.533843	Mean dependent var	9203614.	
Adjusted R-squared	0.367358	S.D. dependent var	8329607.	
S.E. of regression	6625269.	Akaike info criterion	34.49401	
Sum squared resid	6.15E+14	Schwarz criterion	34.79272	
Log likelihood	-338.9401	Hannan-Quinn criter.	34.55232	
F-statistic	3.206557	Durbin-Watson stat	1.300090	
Prob(F-statistic)	0.038912			

Lampiran 12

Hasil Regresi Jangka Panjang

Dependent Variable: PDRB

Method: Least Squares

Date: 04/19/19 Time: 17:49

Sample: 1997 2017

Included observations: 21

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.54E+08	1.85E+08	2.456329	0.0258
JU	588.6548	567.7923	1.036743	0.3153
TU	1288.705	264.7185	4.868209	0.0002
KU	0.002075	0.001010	2.054401	0.0566
IPM	-3023975.	2662311.	-1.135846	0.2727
R-squared	0.956871	Mean dependent var	3.54E+08	
Adjusted R-squared	0.946089	S.D. dependent var	66384192	
S.E. of regression	15413529	Akaike info criterion	36.14365	
Sum squared resid	3.80E+15	Schwarz criterion	36.39234	
Log likelihood	-374.5083	Hannan-Quinn criter.	36.19762	
F-statistic	88.74600	Durbin-Watson stat	0.785667	
Prob(F-statistic)	0.000000			

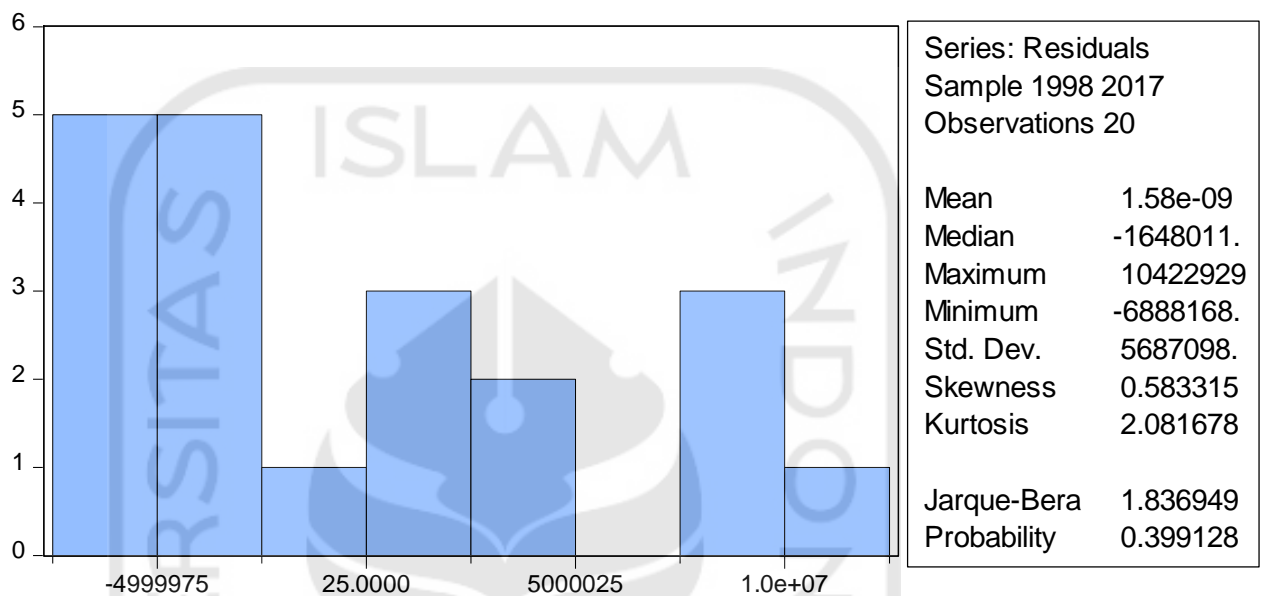
Lampiran 13
Hasil Uji *Error Correction Model* (ECM)

Variabel	Koefisien	Std. Error	t-Statistic	Prob
ECT(-1)	-0.358662	0.122301	-2.932629	0.0109



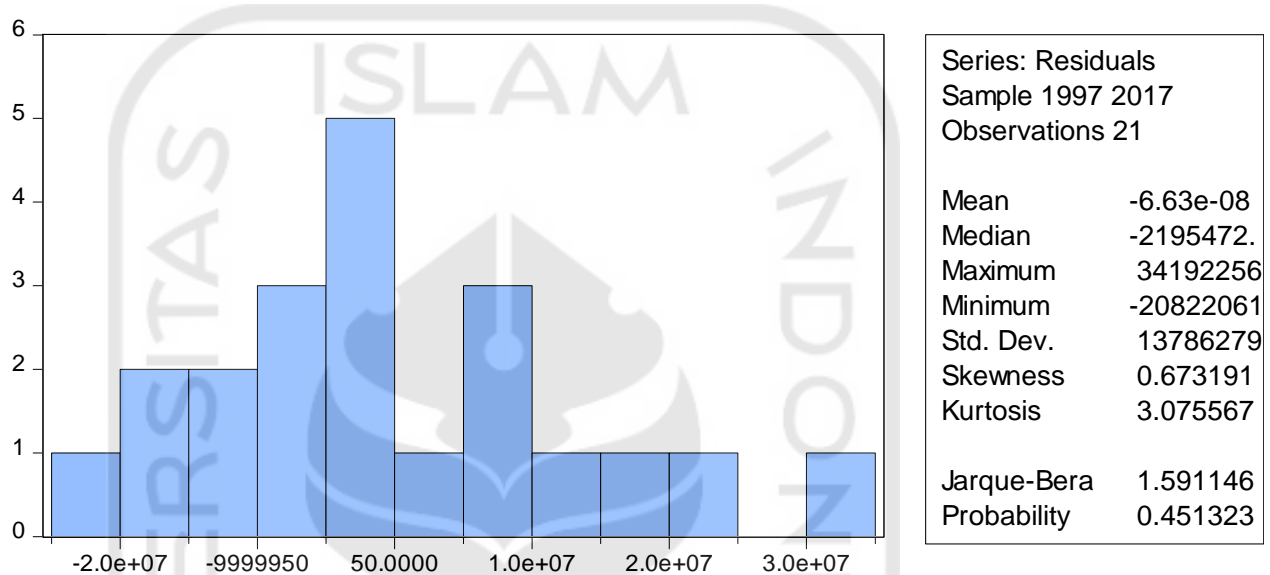
Lampiran 14

Hasil Uji Normalitas Jangka Pendek



Lampiran 15

Hasil Uji Normalitas Jangka Panjang



Lampiran 16

Hasil Uji Heterokedastisitas Jangka Pendek

Heteroskedasticity Test: Glejser

F-statistic	2.148645	Prob. F(5,14)	0.1193
Obs*R-squared	8.683772	Prob. Chi-Square(5)	0.1224
Scaled explained SS	4.765755	Prob. Chi-Square(5)	0.4451

Test Equation:

Dependent Variable: ARESID

Method: Least Squares

Date: 05/05/19 Time: 06:29

Sample: 1998 2017

Included observations: 20

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4788553.	809824.3	5.913076	0.0000
D(JU)	198.2992	100.1901	1.979230	0.0678
D(TU)	-107.4165	93.24689	-1.151959	0.2686
D(KU)	-2.37E-05	0.000153	-0.155006	0.8790
D(IPM)	1120343.	466695.7	2.400586	0.0308
ECT(-1)	0.023426	0.049103	0.477074	0.6407

R-squared	0.434189	Mean dependent var	4687455.
Adjusted R-squared	0.232113	S.D. dependent var	3035526.
S.E. of regression	2660006.	Akaike info criterion	32.66888
Sum squared resid	9.91E+13	Schwarz criterion	32.96760
Log likelihood	-320.6888	Hannan-Quinn criter.	32.72719
F-statistic	2.148645	Durbin-Watson stat	1.054225
Prob(F-statistic)	0.119260		

Lampiran 17

Hasil Uji Heterokedastisitas Jangka Panjang

Heteroskedasticity Test: Glejser

F-statistic	2.853251	Prob. F(4,16)	0.0583
Obs*R-squared	8.743043	Prob. Chi-Square(4)	0.0679
Scaled explained SS	6.516108	Prob. Chi-Square(4)	0.1638

Test Equation:

Dependent Variable: ARESID

Method: Least Squares

Date: 05/05/19 Time: 06:25

Sample: 1997 2017

Included observations: 21

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.10E+08	84143356	-2.500943	0.0236
JU	705.1118	258.6213	2.726426	0.0149
TU	-137.0011	120.5755	-1.136226	0.2726
KU	-0.000839	0.000460	-1.823285	0.0870
IPM	3120499.	1212645.	2.573300	0.0204

R-squared	0.416335	Mean dependent var	10801364
Adjusted R-squared	0.270419	S.D. dependent var	8219402.
S.E. of regression	7020643.	Akaike info criterion	34.57086
Sum squared resid	7.89E+14	Schwarz criterion	34.81956
Log likelihood	-357.9941	Hannan-Quinn criter.	34.62484
F-statistic	2.853251	Durbin-Watson stat	2.320105
Prob(F-statistic)	0.058326		

Lampiran 18

Hasil Uji Multikolinieritas Jangka Pendek

Variance Inflation Factors

Date: 04/21/19 Time: 06:45

Sample: 1997 2017

Included observations: 20

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
D(JU)	62271.77	1.214538	1.156391
D(TU)	53939.95	1.920008	1.278482
D(KU)	1.45E-07	1.194497	1.061646
D(IPM)	1.35E+12	1.045475	1.024176
ECT(-1)	0.014957	1.265497	1.264006

Lampiran 19

Hasil Uji Multikolinieritas Jangka Panjang

	JU	TU	KU	IPM
JU	1	0.79205	0.88798	0.513616
TU	0.79205	1	0.88301	0.78690
KU	0.88798	0.883014	1	0.66993
IPM	0.51361	0.786901	0.66993	1

