

LAMPIRAN

Tahun	M	TQ	P	PT
2000	1.355.665	211.587.844	2.777	51.898.508
2001	644.732	214.432.167	2.850	50.460.844
2002	1.805.379	217.498.002	3.268	51.589.735
2003	1.428.505	220.360.488	3.400	52.137.899
2004	236.866	223.387.555	3.870	54.088.420
2005	189.616	226.390.120	4.340	54.151.772
2006	438.108	229.322.180	4.700	54.454.190
2007	1.406.847	232.490.127	5.050	57.157.803
2008	289.689	235.553.788	5.700	60.325.619
2009	250.473	238.600.101	6.210	64.398.200
2010	687.582	241.834.215	6.512	66.469.394
2011	2.750.476	245.116.206	7.373	65.756.904
2012	1.810.372	248.452.413	8.056	69.056.126
2013	472.665	251.806.402	8.409	71.279.709
2014	844.164	255.129.004	8.936	70.846.465
2015	861.601	258.383.256	10.149	75.397.841
2016	1.283.179	261.554.226	10.685	79.354.767
2017	302.275	264.645.886	10.665	81.148.617
2018	2.253.825	267.663.435	11.292	59.200.534
2019	444.509	270.625.568	11.247	54.604.033

Lampiran 1. Input Data

Lampiran 2. Regress ECM

Model Jangka Panjang

$$M_t = \beta_0 + \beta_1 TQ_t + \beta_2 P_t + \beta_3 PT_t + \varepsilon_t$$

Model Jangka Pendek (ECM)

$$\Delta M_t = \beta_0 + \beta_1 \Delta TQ_t + \beta_2 \Delta P_t + \beta_3 \Delta PT_t - \lambda ECT_{t-1} + \varepsilon_t$$

Regres model ECM Jangka Panjang

Dependent Variable: M
 Method: Least Squares
 Date: 07/27/21 Time: 14:53
 Sample: 2000 2019
 Included observations: 20

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	25158247	17664808	1.424202	0.1736
TQ	-0.117687	0.087621	-1.343135	0.1980
P	797.4106	559.0863	1.426275	0.1730
PT	-0.019946	0.026637	-0.748795	0.4648
R-squared	0.122292	Mean dependent var		987826.3
Adjusted R-squared	-0.042278	S.D. dependent var		741844.4
S.E. of regression	757364.1	Akaike info criterion		30.08993
Sum squared resid	9.18E+12	Schwarz criterion		30.28908
Log likelihood	-296.8993	Hannan-Quinn criter.		30.12881
F-statistic	0.743099	Durbin-Watson stat		1.830801
Prob(F-statistic)	0.541878			

Regres model ECM Jangka Pendek

Dependent Variable: D(M)
 Method: Least Squares
 Date: 07/27/21 Time: 17:07
 Sample (adjusted): 2002 2019
 Included observations: 18 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1236425.	6012453.	-0.205644	0.8403
D(TQ)	0.173251	1.988263	0.087137	0.9319
D(P)	1504.924	949.7197	1.584598	0.1371
D(PT)	-0.075645	0.044111	-1.714877	0.1101
ECT(-1)	-0.150033	0.315996	-0.474794	0.6428
R-squared	0.336881	Mean dependent var		-11123.51
Adjusted R-squared	0.132844	S.D. dependent var		1101848.
S.E. of regression	1026054.	Akaike info criterion		30.75047
Sum squared resid	1.37E+13	Schwarz criterion		30.99780
Log likelihood	-271.7543	Hannan-Quinn criter.		30.78458
F-statistic	1.651078	Durbin-Watson stat		1.757556
Prob(F-statistic)	0.220851			

Hasil Estimasi ECM Jangka Pendek

$\Delta M_t = -1236425 + 0.173251 \Delta TQ_t + 1504.924 \Delta P_t - 0.075645 \Delta PT_t - 0.150033 ECT_{t-1} + \varepsilon_t$	
$R^2 = 0.336881$	F-stat = 1.651078
DW.stat = 1.757556	Prob(F-stat) = 0.220851

Hasil Uji Validasi Pengaruh Variabel Independen

Variabel	Koefisien	Prob t	Kriteria	Kesimpulan
D(TQ)	0.173251	0.9319	> 0.1	Tidak Signifikan
D(P)	1504.924	0.1371	> 0,1	Tidak Signifikan
D(PT)	-0.075645	0.1101	> 0,1	Tidak Signifikan

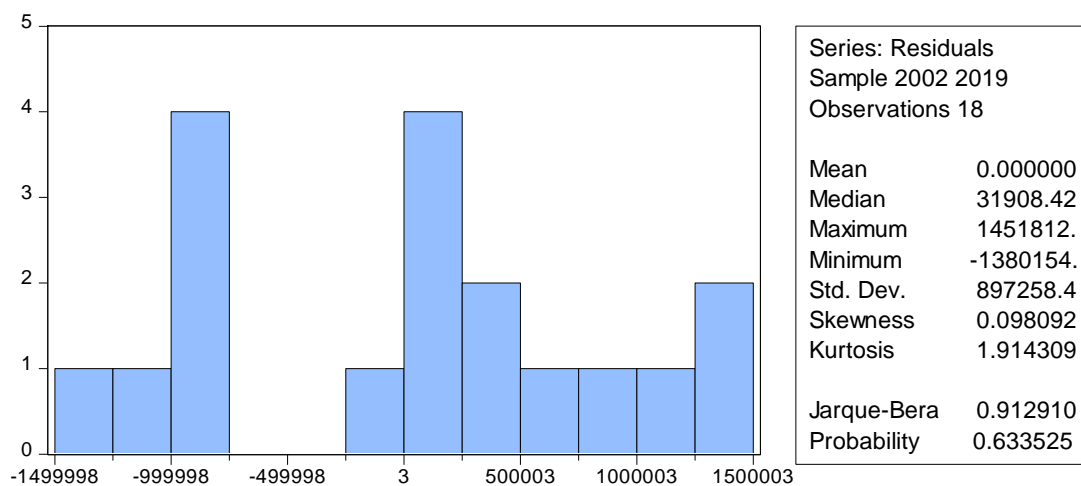
UJI ASUMSI KLASIK

1. Uji Multikolinieritas

Variance Inflation Factors
Date: 07/27/21 Time: 17:18
Sample: 2000 2019
Included observations: 18

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
C	3.61E+13	618.0667	NA
D(TQ)	3.953188	660.1401	1.413699
D(P)	901967.4	4.647158	1.291127
D(PT)	0.001946	1.113847	1.112084
ECT(-1)	0.099854	1.029666	1.029663

2. Uji Normalitas Residual (Uji Jarque Bera)



3. Uji Autokorelasi (Uji Breusch-Godfrey)

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	1.472950	Prob. F(4,9)	0.2884
Obs*R-squared	7.121530	Prob. Chi-Square(4)	0.1296

Test Equation:
Dependent Variable: RESID
Method: Least Squares
Date: 07/27/21 Time: 17:24
Sample: 2002 2019
Included observations: 18

Presample missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1770503.	5742983.	-0.308290	0.7649
D(TQ)	0.785538	1.912527	0.410733	0.6909
D(P)	-1409.845	1203.667	-1.171291	0.2716
D(PT)	0.011640	0.042519	0.273749	0.7905
ECT(-1)	-0.689137	1.301503	-0.529493	0.6093
RESID(-1)	0.442617	1.057854	0.418410	0.6855
RESID(-2)	-0.328947	0.419159	-0.784779	0.4527
RESID(-3)	-0.675647	0.418800	-1.613291	0.1411
RESID(-4)	0.351753	0.508227	0.692119	0.5063
R-squared	0.395641	Mean dependent var		0.000000
Adjusted R-squared	-0.141568	S.D. dependent var		897258.4
S.E. of regression	958668.4	Akaike info criterion		30.69133
Sum squared resid	8.27E+12	Schwarz criterion		31.13652
Log likelihood	-267.2220	Hannan-Quinn criter.		30.75272
F-statistic	0.736475	Durbin-Watson stat		1.667758
Prob(F-statistic)	0.661471			

4. Uji Heterokedastisitas (Uji White)

Heteroskedasticity Test: Breusch-Pagan-Godfrey

F-statistic	0.497066	Prob. F(4,13)	0.7384
Obs*R-squared	2.387785	Prob. Chi-Square(4)	0.6648
Scaled explained SS	0.569377	Prob. Chi-Square(4)	0.9664

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 07/27/21 Time: 18:04

Sample: 2002 2019

Included observations: 18

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-4.70E+12	4.67E+12	-1.006977	0.3323
D(TQ)	1812012.	1543910.	1.173651	0.2616
D(P)	-4.20E+08	7.37E+08	-0.569896	0.5785
D(PT)	2783.879	34252.84	0.081274	0.9365
ECT(-1)	183349.7	245374.8	0.747223	0.4682
R-squared	0.132655	Mean dependent var		7.60E+11
Adjusted R-squared	-0.134221	S.D. dependent var		7.48E+11
S.E. of regression	7.97E+11	Akaike info criterion		57.87561
Sum squared resid	8.25E+24	Schwarz criterion		58.12293
Log likelihood	-515.8805	Hannan-Quinn criter.		57.90971
F-statistic	0.497066	Durbin-Watson stat		2.094410
Prob(F-statistic)	0.738393			

5. Uji Linieritas (Ramsey reset)

Ramsey RESET Test
 Equation: UNTITLED
 Specification: M TQ P PT ECT(-1) C
 Omitted Variables: Squares of fitted values

	Value	df	Probability
t-statistic	0.575140	13	0.5750
F-statistic	0.330786	(1, 13)	0.5750
Likelihood ratio	0.477408	1	0.4896

F-test summary:

	Sum of Sq.	df	Mean Squares
Test SSR	2.27E+11	1	2.27E+11
Restricted SSR	9.13E+12	14	6.52E+11
Unrestricted SSR	8.91E+12	13	6.85E+11

LR test summary:

	Value
Restricted LogL	-282.4963
Unrestricted LogL	-282.2576

Unrestricted Test Equation:
 Dependent Variable: M
 Method: Least Squares
 Date: 08/17/21 Time: 12:08
 Sample: 2001 2019
 Included observations: 19

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TQ	0.388530	0.907429	0.428166	0.6755
P	-2627.039	6113.898	-0.429683	0.6745
PT	0.064785	0.151415	0.427862	0.6758
ECT(-1)	-0.088203	0.387724	-0.227490	0.8236
C	-80914990	1.90E+08	-0.425963	0.6771
FITTED^2	2.04E-06	3.55E-06	0.575140	0.5750

R-squared	0.136380	Mean dependent var	968466.4
Adjusted R-squared	-0.195781	S.D. dependent var	756964.1
S.E. of regression	827753.7	Akaike info criterion	30.34291
Sum squared resid	8.91E+12	Schwarz criterion	30.64115
Log likelihood	-282.2576	Hannan-Quinn criter.	30.39338
F-statistic	0.410585	Durbin-Watson stat	1.951047
Prob(F-statistic)	0.833090		