



# LAMPIRAN

## Lampiran 1. Uji Akar Unit – Tingkat Level

Null Hypothesis: CPI has a unit root  
 Exogenous: Constant  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-1.321807	0.6120
Test critical values:		
1% level	-3.574446	
5% level	-2.923780	
10% level	-2.599925	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(CPI)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:20  
 Sample(adjusted): 1998:1 2009:4  
 Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
CPI(-1)	-0.015074	0.011404	-1.321807	0.1928
C	3.587760	1.077196	3.330646	0.0017
R-squared	0.036592	Mean dependent var		2.228125
Adjusted R-squared	0.015649	S.D. dependent var		2.233451
S.E. of regression	2.215907	Akaike info criterion		4.469975
Sum squared resid	225.8713	Schwarz criterion		4.547941
Log likelihood	-105.2794	F-statistic		1.747174
Durbin-Watson stat	1.081927	Prob(F-statistic)		0.192768

Null Hypothesis: CPI has a unit root  
 Exogenous: Constant, Linear Trend  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-2.690858	0.2449
Test critical values:		
1% level	-4.161144	
5% level	-3.506374	
10% level	-3.183002	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(CPI)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:22  
 Sample(adjusted): 1998:1 2009:4  
 Included observations: 48 after adjusting endpoints

(lanjutan)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
CPI(-1)	-0.195449	0.072634	-2.690858	0.0100
C	10.80989	3.051448	3.542544	0.0009
@TREND(1997:4)	0.369264	0.147045	2.511230	0.0157
R-squared	0.155009	Mean dependent var		2.228125
Adjusted R-squared	0.117454	S.D. dependent var		2.233451
S.E. of regression	2.098192	Akaike info criterion		4.380491
Sum squared resid	198.1085	Schwarz criterion		4.497441
Log likelihood	-102.1318	F-statistic		4.127496
Durbin-Watson stat	1.033150	Prob(F-statistic)		0.022603

Null Hypothesis: CPI has a unit root  
 Exogenous: None  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	5.679567	1.0000
Test critical values:		
1% level	-2.614029	
5% level	-1.947816	
10% level	-1.612492	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(CPI)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:23  
 Sample(adjusted): 1998:1 2009:4  
 Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
CPI(-1)	0.021196	0.003732	5.679567	0.0000
R-squared	-0.195740	Mean dependent var		2.228125
Adjusted R-squared	-0.195740	S.D. dependent var		2.233451
S.E. of regression	2.442277	Akaike info criterion		4.644352
Sum squared resid	280.3416	Schwarz criterion		4.683335
Log likelihood	-110.4644	Durbin-Watson stat		0.909755

Null Hypothesis: PPI has a unit root  
 Exogenous: Constant  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-0.357651	0.9080
Test critical values:		
1% level	-3.574446	
5% level	-2.923780	
10% level	-2.599925	

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

(lanjutan)

## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(PPI)

Method: Least Squares

Date: 07/15/10 Time: 09:49

Sample(adjusted): 1998:1 2009:4

Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPI(-1)	-0.008013	0.022405	-0.357651	0.7222
C	3.574573	2.267542	1.576409	0.1218
R-squared	0.002773	Mean dependent var		2.817708
Adjusted R-squared	-0.018906	S.D. dependent var		5.590365
S.E. of regression	5.642963	Akaike info criterion		6.339469
Sum squared resid	1464.779	Schwarz criterion		6.417436
Log likelihood	-150.1473	F-statistic		0.127914
Durbin-Watson stat	1.493371	Prob(F-statistic)		0.722241

Null Hypothesis: PPI has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-1.578285	0.7869
Test critical values:		
1% level	-4.161144	
5% level	-3.506374	
10% level	-3.183002	

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

## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(PPI)

Method: Least Squares

Date: 07/15/10 Time: 09:49

Sample(adjusted): 1998:1 2009:4

Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPI(-1)	-0.108797	0.068934	-1.578285	0.1215
C	6.254201	2.829566	2.210304	0.0322
@TREND(1997:4)	0.279178	0.180894	1.543320	0.1298
R-squared	0.052903	Mean dependent var		2.817708
Adjusted R-squared	0.010809	S.D. dependent var		5.590365
S.E. of regression	5.560069	Akaike info criterion		6.329560
Sum squared resid	1391.146	Schwarz criterion		6.446510
Log likelihood	-148.9094	F-statistic		1.256797
Durbin-Watson stat	1.413900	Prob(F-statistic)		0.294360

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Null Hypothesis: PPI has a unit root  
 Exogenous: None  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	3.052279	0.9992
Test critical values:		
1% level	-2.614029	
5% level	-1.947816	
10% level	-1.612492	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(PPI)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:49  
 Sample(adjusted): 1998:1 2009:4  
 Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPI(-1)	0.024949	0.008174	3.052279	0.0037
R-squared	-0.051100	Mean dependent var		2.817708
Adjusted R-squared	-0.051100	S.D. dependent var		5.590365
S.E. of regression	5.731420	Akaike info criterion		6.350417
Sum squared resid	1543.911	Schwarz criterion		6.389400
Log likelihood	-151.4100	Durbin-Watson stat		1.469526

Null Hypothesis: E has a unit root  
 Exogenous: Constant  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-6.100054	0.0000
Test critical values:		
1% level	-3.574446	
5% level	-2.923780	
10% level	-2.599925	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(E)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:50  
 Sample(adjusted): 1998:1 2009:4  
 Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
E(-1)	-0.641090	0.105096	-6.100054	0.0000
C	5995.449	973.0855	6.161277	0.0000

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R-squared	0.447186	Mean dependent var	113.9438
Adjusted R-squared	0.435169	S.D. dependent var	1211.330
S.E. of regression	910.3787	Akaike info criterion	16.50637
Sum squared resid	38124308	Schwarz criterion	16.58434
Log likelihood	-394.1529	F-statistic	37.21066
Durbin-Watson stat	1.371947	Prob(F-statistic)	0.000000

Null Hypothesis: E has a unit root  
 Exogenous: Constant, Linear Trend  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.979272	0.0000
Test critical values:		
1% level	-4.161144	
5% level	-3.506374	
10% level	-3.183002	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(E)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:51  
 Sample(adjusted): 1998:1 2009:4  
 Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
E(-1)	-0.673336	0.112612	-5.979272	0.0000
C	6087.726	983.1160	6.192277	0.0000
@TREND(1997:4)	8.308185	10.16349	0.817454	0.4180
R-squared	0.455275	Mean dependent var	113.9438	
Adjusted R-squared	0.431065	S.D. dependent var	1211.330	
S.E. of regression	913.6795	Akaike info criterion	16.53330	
Sum squared resid	37566463	Schwarz criterion	16.65025	
Log likelihood	-393.7992	F-statistic	18.80526	
Durbin-Watson stat	1.344652	Prob(F-statistic)	0.000001	

Null Hypothesis: E has a unit root  
 Exogenous: None  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	0.026537	0.6864
Test critical values:		
1% level	-2.614029	
5% level	-1.947816	
10% level	-1.612492	

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

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## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(E)

Method: Least Squares

Date: 07/15/10 Time: 09:51

Sample(adjusted): 1998:1 2009:4

Included observations: 48 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
E(-1)	0.000503	0.018968	0.026537	0.9789
R-squared	-0.009021	Mean dependent var		113.9438
Adjusted R-squared	-0.009021	S.D. dependent var		1211.330
S.E. of regression	1216.782	Akaike info criterion		17.06642
Sum squared resid	69586254	Schwarz criterion		17.10540
Log likelihood	-408.5941	Durbin-Watson stat		1.704821

Null Hypothesis: PPIUS has a unit root

Exogenous: Constant

Lag Length: 2 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-0.549457	0.8716
Test critical values:		
1% level	-3.581152	
5% level	-2.926622	
10% level	-2.601424	

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

## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(PPIUS)

Method: Least Squares

Date: 07/15/10 Time: 09:52

Sample(adjusted): 1998:3 2009:4

Included observations: 46 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPIUS(-1)	-0.016991	0.030924	-0.549457	0.5856
D(PPIUS(-1))	0.427725	0.141731	3.017872	0.0043
D(PPIUS(-2))	-0.381329	0.143341	-2.660295	0.0110
C	2.266841	2.937409	0.771715	0.4446
R-squared	0.238007	Mean dependent var		0.726522
Adjusted R-squared	0.183579	S.D. dependent var		3.012858
S.E. of regression	2.722299	Akaike info criterion		4.923772
Sum squared resid	311.2583	Schwarz criterion		5.082784
Log likelihood	-109.2468	F-statistic		4.372866
Durbin-Watson stat	1.999365	Prob(F-statistic)		0.009104

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Null Hypothesis: PPIUS has a unit root  
 Exogenous: Constant, Linear Trend  
 Lag Length: 1 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-3.285089	0.0813
Test critical values:		
1% level	-4.165756	
5% level	-3.508508	
10% level	-3.184230	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(PPIUS)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:52  
 Sample(adjusted): 1998:2 2009:4  
 Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPIUS(-1)	-0.274059	0.083425	-3.285089	0.0020
D(PPIUS(-1))	0.420598	0.134284	3.132151	0.0031
C	19.97369	6.005779	3.325746	0.0018
@TREND(1997:4)	0.253530	0.081158	3.123892	0.0032
R-squared	0.274849	Mean dependent var		0.709574
Adjusted R-squared	0.224257	S.D. dependent var		2.982194
S.E. of regression	2.626605	Akaike info criterion		4.850527
Sum squared resid	296.6593	Schwarz criterion		5.007986
Log likelihood	-109.9874	F-statistic		5.432663
Durbin-Watson stat	1.766933	Prob(F-statistic)		0.002941

Null Hypothesis: PPIUS has a unit root  
 Exogenous: None  
 Lag Length: 2 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	1.521753	0.9666
Test critical values:		
1% level	-2.616203	
5% level	-1.948140	
10% level	-1.612320	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(PPIUS)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:53  
 Sample(adjusted): 1998:3 2009:4  
 Included observations: 46 after adjusting endpoints



(lanjutan)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPIUS(-1)	0.006633	0.004359	1.521753	0.1354
D(PPIUS(-1))	0.422032	0.140871	2.995871	0.0045
D(PPIUS(-2))	-0.397515	0.141130	-2.816666	0.0073
R-squared	0.227202	Mean dependent var		0.726522
Adjusted R-squared	0.191258	S.D. dependent var		3.012858
S.E. of regression	2.709466	Akaike info criterion		4.894374
Sum squared resid	315.6718	Schwarz criterion		5.013633
Log likelihood	-109.5706	Durbin-Watson stat		2.007335



## Lampiran 2. Uji Akar Unit – First Difference

Null Hypothesis: D(CPI) has a unit root

Exogenous: Constant

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.495945	0.0007
Test critical values:		
1% level	-3.577723	
5% level	-2.925169	
10% level	-2.600658	

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

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(CPI,2)

Method: Least Squares

Date: 07/15/10 Time: 09:54

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(CPI(-1))	-0.573185	0.127489	-4.495945	0.0000
C	1.176034	0.403210	2.916679	0.0055
R-squared	0.309959	Mean dependent var		-0.108511
Adjusted R-squared	0.294625	S.D. dependent var		2.322412
S.E. of regression	1.950515	Akaike info criterion		4.215685
Sum squared resid	171.2029	Schwarz criterion		4.294415
Log likelihood	-97.06860	F-statistic		20.21352
Durbin-Watson stat	2.105720	Prob(F-statistic)		0.000048

Null Hypothesis: D(CPI) has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.417640	0.0051
Test critical values:		
1% level	-4.165756	
5% level	-3.508508	
10% level	-3.184230	

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

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(CPI,2)

Method: Least Squares

Date: 07/15/10 Time: 09:54

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
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D(CPI(-1))	-0.574574	0.130064	-4.417640	0.0001
C	1.222325	0.703678	1.737051	0.0894
@TREND(1997:4)	-0.001727	0.021398	-0.080715	0.9360
R-squared	0.310061	Mean dependent var		-0.108511
Adjusted R-squared	0.278700	S.D. dependent var		2.322412
S.E. of regression	1.972409	Akaike info criterion		4.258090
Sum squared resid	171.1775	Schwarz criterion		4.376185
Log likelihood	-97.06512	F-statistic		9.886888
Durbin-Watson stat	2.102968	Prob(F-statistic)		0.000284

Null Hypothesis: D(CPI) has a unit root

Exogenous: None

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-3.192043	0.0020
Test critical values:		
1% level	-2.615093	
5% level	-1.947975	
10% level	-1.612408	

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

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(CPI,2)

Method: Least Squares

Date: 07/15/10 Time: 09:55

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(CPI(-1))	-0.309698	0.097022	-3.192043	0.0025
R-squared	0.179510	Mean dependent var		-0.108511
Adjusted R-squared	0.179510	S.D. dependent var		2.322412
S.E. of regression	2.103661	Akaike info criterion		4.346282
Sum squared resid	203.5679	Schwarz criterion		4.385647
Log likelihood	-101.1376	Durbin-Watson stat		2.333481

Null Hypothesis: D(PPI) has a unit root

Exogenous: Constant

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.827601	0.0000
Test critical values:		
1% level	-3.577723	
5% level	-2.925169	
10% level	-2.600658	

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

(lanjutan)

## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(PPI,2)

Method: Least Squares

Date: 07/15/10 Time: 09:55

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(PPI(-1))	-0.803810	0.137932	-5.827601	0.0000
C	1.994397	0.865002	2.305657	0.0258
R-squared	0.430098	Mean dependent var		-0.297660
Adjusted R-squared	0.417433	S.D. dependent var		6.919889
S.E. of regression	5.281678	Akaike info criterion		6.207986
Sum squared resid	1255.325	Schwarz criterion		6.286716
Log likelihood	-143.8877	F-statistic		33.96094
Durbin-Watson stat	1.983830	Prob(F-statistic)		0.000001

Null Hypothesis: D(PPI) has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.816886	0.0001
Test critical values:		
1% level	-4.165756	
5% level	-3.508508	
10% level	-3.184230	

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

## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(PPI,2)

Method: Least Squares

Date: 07/15/10 Time: 09:56

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(PPI(-1))	-0.807124	0.138755	-5.816886	0.0000
C	0.977386	1.661084	0.588403	0.5593
@TREND(1997:4)	0.041058	0.057135	0.718624	0.4762
R-squared	0.436709	Mean dependent var		-0.297660
Adjusted R-squared	0.411105	S.D. dependent var		6.919889
S.E. of regression	5.310288	Akaike info criterion		6.238871
Sum squared resid	1240.763	Schwarz criterion		6.356965
Log likelihood	-143.6135	F-statistic		17.05620
Durbin-Watson stat	2.001333	Prob(F-statistic)		0.000003

(lanjutan)

Null Hypothesis: D(PPI) has a unit root  
 Exogenous: None  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.130714	0.0000
Test critical values:		
1% level	-2.615093	
5% level	-1.947975	
10% level	-1.612408	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(PPI,2)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:56  
 Sample(adjusted): 1998:2 2009:4  
 Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(PPI(-1))	-0.659207	0.128483	-5.130714	0.0000
R-squared	0.362773	Mean dependent var		-0.297660
Adjusted R-squared	0.362773	S.D. dependent var		6.919889
S.E. of regression	5.523906	Akaike info criterion		6.277095
Sum squared resid	1403.623	Schwarz criterion		6.316459
Log likelihood	-146.5117	Durbin-Watson stat		2.040364

Null Hypothesis: D(E) has a unit root  
 Exogenous: Constant  
 Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-9.387338	0.0000
Test critical values:		
1% level	-3.577723	
5% level	-2.925169	
10% level	-2.600658	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(E,2)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:57  
 Sample(adjusted): 1998:2 2009:4  
 Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(E(-1))	-1.065685	0.113524	-9.387338	0.0000
C	9.105421	137.9661	0.065998	0.9477

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R-squared	0.661964	Mean dependent var	-124.2481
Adjusted R-squared	0.654453	S.D. dependent var	1600.490
S.E. of regression	940.8204	Akaike info criterion	16.57300
Sum squared resid	39831436	Schwarz criterion	16.65173
Log likelihood	-387.4656	F-statistic	88.12211
Durbin-Watson stat	2.291531	Prob(F-statistic)	0.000000

Null Hypothesis: D(E) has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

		t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic		-9.191171	0.0000
Test critical values:	1% level	-4.165756	
	5% level	-3.508508	
	10% level	-3.184230	

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

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(E,2)

Method: Least Squares

Date: 07/15/10 Time: 09:57

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(E(-1))	-1.065512	0.115928	-9.191171	0.0000
C	6.300667	295.3291	0.021334	0.9831
@TREND(1997:4)	0.111323	10.33118	0.010775	0.9915

R-squared	0.661965	Mean dependent var	-124.2481
Adjusted R-squared	0.646600	S.D. dependent var	1600.490
S.E. of regression	951.4502	Akaike info criterion	16.61555
Sum squared resid	39831331	Schwarz criterion	16.73365
Log likelihood	-387.4655	F-statistic	43.08209
Durbin-Watson stat	2.292039	Prob(F-statistic)	0.000000

Null Hypothesis: D(E) has a unit root

Exogenous: None

Lag Length: 0 (Automatic based on SIC, MAXLAG=10)

		t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic		-9.534415	0.0000
Test critical values:	1% level	-2.615093	
	5% level	-1.947975	
	10% level	-1.612408	

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

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## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(E,2)

Method: Least Squares

Date: 07/15/10 Time: 09:57

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(E(-1))	-1.064914	0.111692	-9.534415	0.0000
R-squared	0.661932	Mean dependent var		-124.2481
Adjusted R-squared	0.661932	S.D. dependent var		1600.490
S.E. of regression	930.5829	Akaike info criterion		16.53055
Sum squared resid	39835291	Schwarz criterion		16.56991
Log likelihood	-387.4678	Durbin-Watson stat		2.293496

Null Hypothesis: D(PPIUS) has a unit root

Exogenous: Constant

Lag Length: 1 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.881217	0.0000
Test critical values:		
1% level	-3.581152	
5% level	-2.926622	
10% level	-2.601424	

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

## Augmented Dickey-Fuller Test Equation

Dependent Variable: D(PPIUS,2)

Method: Least Squares

Date: 07/15/10 Time: 09:58

Sample(adjusted): 1998:3 2009:4

Included observations: 46 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(PPIUS(-1))	-0.972763	0.165402	-5.881217	0.0000
D(PPIUS(-1),2)	0.394444	0.140188	2.813684	0.0074
C	0.669126	0.412578	1.621818	0.1122
R-squared	0.450488	Mean dependent var		0.026522
Adjusted R-squared	0.424929	S.D. dependent var		3.560581
S.E. of regression	2.700110	Akaike info criterion		4.887456
Sum squared resid	313.4957	Schwarz criterion		5.006715
Log likelihood	-109.4115	F-statistic		17.62562
Durbin-Watson stat	2.007177	Prob(F-statistic)		0.000003

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Null Hypothesis: D(PPIUS) has a unit root  
 Exogenous: Constant, Linear Trend  
 Lag Length: 1 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.817052	0.0001
Test critical values:		
1% level	-4.170583	
5% level	-3.510740	
10% level	-3.185512	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(PPIUS,2)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:59  
 Sample(adjusted): 1998:3 2009:4  
 Included observations: 46 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(PPIUS(-1))	-0.973797	0.167404	-5.817052	0.0000
D(PPIUS(-1),2)	0.394951	0.141825	2.784770	0.0080
C	0.534928	0.875867	0.610741	0.5447
@TREND(1997:4)	0.005289	0.030350	0.174269	0.8625
R-squared	0.450885	Mean dependent var		0.026522
Adjusted R-squared	0.411663	S.D. dependent var		3.560581
S.E. of regression	2.731078	Akaike info criterion		4.930211
Sum squared resid	313.2691	Schwarz criterion		5.089224
Log likelihood	-109.3949	F-statistic		11.49557
Durbin-Watson stat	2.007554	Prob(F-statistic)		0.000012

Null Hypothesis: D(PPIUS) has a unit root  
 Exogenous: None  
 Lag Length: 1 (Automatic based on SIC, MAXLAG=10)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.551959	0.0000
Test critical values:		
1% level	-2.616203	
5% level	-1.948140	
10% level	-1.612320	

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

Augmented Dickey-Fuller Test Equation  
 Dependent Variable: D(PPIUS,2)  
 Method: Least Squares  
 Date: 07/15/10 Time: 09:59  
 Sample(adjusted): 1998:3 2009:4  
 Included observations: 46 after adjusting endpoints



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Variable	Coefficient	Std. Error	t-Statistic	Prob.
D(PPIUS(-1))	-0.902711	0.162593	-5.551959	0.0000
D(PPIUS(-1),2)	0.364297	0.141501	2.574528	0.0135
R-squared	0.416875	Mean dependent var		0.026522
Adjusted R-squared	0.403622	S.D. dependent var		3.560581
S.E. of regression	2.749678	Akaike info criterion		4.903349
Sum squared resid	332.6721	Schwarz criterion		4.982856
Log likelihood	-110.7770	Durbin-Watson stat		1.969333



## Lampiran 3. Hasil Output Estimasi OLS

**PERSAMAAN CPI**

Dependent Variable: DLOG(CPI)

Method: Least Squares

Date: 07/15/10 Time: 08:02

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.006199	0.004074	1.521539	0.1358
DLOG(E)	0.170062	0.033884	5.019001	0.0000
DLOG(PPIUS)	0.200136	0.136315	1.468183	0.1497
DLOG(CPI(-1))	0.597810	0.071045	10.18053	0.0000
DLOG(E)*DIT	-0.065270	0.103297	-0.631873	0.5310
DLOG(CPI(-1))*DIT	-0.341328	0.173725	-1.964761	0.0562
R-squared	0.737949	Mean dependent var		0.026565
Adjusted R-squared	0.705991	S.D. dependent var		0.036249
S.E. of regression	0.019655	Akaike info criterion		-4.902226
Sum squared resid	0.015839	Schwarz criterion		-4.666037
Log likelihood	121.2023	F-statistic		23.09161
Durbin-Watson stat	2.301947	Prob(F-statistic)		0.000000

**PERSAMAAN PPI**

Dependent Variable: DLOG(PPI)

Method: Least Squares

Date: 07/15/10 Time: 08:02

Sample(adjusted): 1998:2 2009:4

Included observations: 47 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.015498	0.004387	3.532316	0.0010
DLOG(E)	0.335212	0.043855	7.643712	0.0000
DLOG(PPIUS)	1.029222	0.182620	5.635873	0.0000
DLOG(PPI(-1))	0.227487	0.055674	4.086069	0.0002
DLOG(E)*DIT	-0.297241	0.134874	-2.203834	0.0332
DLOG(PPI(-1))*DIT	-0.285328	0.120575	-2.366386	0.0228
R-squared	0.743284	Mean dependent var		0.027604
Adjusted R-squared	0.711977	S.D. dependent var		0.048020
S.E. of regression	0.025771	Akaike info criterion		-4.360372
Sum squared resid	0.027230	Schwarz criterion		-4.124183
Log likelihood	108.4687	F-statistic		23.74194
Durbin-Watson stat	1.781399	Prob(F-statistic)		0.000000

## Lampiran 4. Uji Heterokedastisitas – Metode White

**PERSAMAAN CPI**

White Heteroskedasticity Test:

F-statistic	0.155525	Probability	0.998225
Obs*R-squared	1.946374	Probability	0.996735

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 07/15/10 Time: 09:05

Sample: 1998:2 2009:4

Included observations: 47

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.000149	0.000307	0.484929	0.6307
DLOG(E)	-0.000419	0.002932	-0.142980	0.8871
(DLOG(E))^2	7.23E-05	0.011875	0.006092	0.9952
DLOG(PPIUS)	0.001735	0.010346	0.167688	0.8678
(DLOG(PPIUS))^2	0.128853	0.243702	0.528733	0.6002
DLOG(CPI(-1))	0.007297	0.015330	0.475981	0.6370
(DLOG(CPI(-1)))^2	-0.034249	0.082264	-0.416325	0.6796
DLOG(E)*DIT	-0.002041	0.008890	-0.229614	0.8197
(DLOG(E)*DIT)^2	-0.050060	0.090895	-0.550752	0.5852
DLOG(CPI(-1))*DIT	0.006018	0.025795	0.233281	0.8169
(DLOG(CPI(-1))*DIT)^2	-0.099659	0.312679	-0.318726	0.7518
R-squared	0.041412	Mean dependent var	0.000337	
Adjusted R-squared	-0.224862	S.D. dependent var	0.000938	
S.E. of regression	0.001039	Akaike info criterion	-10.70050	
Sum squared resid	3.88E-05	Schwarz criterion	-10.26749	
Log likelihood	262.4618	F-statistic	0.155525	
Durbin-Watson stat	1.951382	Prob(F-statistic)	0.998225	

**PERSAMAAN PPI**

White Heteroskedasticity Test:

F-statistic	1.932462	Probability	0.072537
Obs*R-squared	16.41687	Probability	0.088305

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 07/15/10 Time: 10:14

Sample: 1998:2 2009:4

Included observations: 47

Variable	Coefficient	Std. Error	t-Statistic	Prob.
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C	0.000196	0.000194	1.014613	0.3171
DLOG(E)	0.005950	0.002261	2.631526	0.0124
(DLOG(E))^2	0.011496	0.007900	1.455057	0.1543
DLOG(PPIUS)	0.008324	0.009611	0.866072	0.3922
(DLOG(PPIUS))^2	0.422815	0.198632	2.128633	0.0402
DLOG(PPI(-1))	0.007970	0.005086	1.567189	0.1258
(DLOG(PPI(-1)))^2	-0.022956	0.013275	-1.729259	0.0923
DLOG(E)*DIT	-0.014452	0.007116	-2.030771	0.0497
(DLOG(E)*DIT)^2	-0.117482	0.077715	-1.511713	0.1393
DLOG(PPI(-1))*DIT	-0.006416	0.006912	-0.928165	0.3595
(DLOG(PPI(-1))*DIT)^2	0.007788	0.050128	0.155366	0.8774
R-squared	0.349295	Mean dependent var	0.000579	
Adjusted R-squared	0.168544	S.D. dependent var	0.000972	
S.E. of regression	0.000886	Akaike info criterion	-11.01812	
Sum squared resid	2.83E-05	Schwarz criterion	-10.58511	
Log likelihood	269.9259	F-statistic	1.932462	
Durbin-Watson stat	2.211949	Prob(F-statistic)	0.072537	



## Lampiran 5. Uji Multikolinearitas

## UJI MULTIKOLINEARITAS

	E	PPIUS	DIT
E	1.000000	0.272833	0.291477
PPIUS	0.272833	1.000000	0.896026
DIT	0.291477	0.896026	1.000000



## Lampiran 6. Uji Autokorelasi – Breusch Godfrey

**PERSAMAAN CPI**

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	1.513570	Probability	0.232771
Obs*R-squared	3.385326	Probability	0.184029

Test Equation:

Dependent Variable: RESID

Method: Least Squares

Date: 07/15/10 Time: 10:18

Presample missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.003981	0.004629	-0.859944	0.3951
DLOG(E)	-0.002997	0.033514	-0.089412	0.9292
DLOG(PPIUS)	-0.039425	0.137226	-0.287303	0.7754
DLOG(CPI(-1))	0.065686	0.079683	0.824343	0.4148
DLOG(E)*DIT	-0.038271	0.104595	-0.365897	0.7164
DLOG(CPI(-1))*DIT	0.259713	0.227741	1.140387	0.2611
RESID(-1)	-0.409149	0.239855	-1.705820	0.0960
RESID(-2)	-0.159300	0.168434	-0.945771	0.3501
R-squared	0.072028	Mean dependent var	1.37E-18	
Adjusted R-squared	-0.094531	S.D. dependent var	0.018556	
S.E. of regression	0.019413	Akaike info criterion	-4.891873	
Sum squared resid	0.014698	Schwarz criterion	-4.576955	
Log likelihood	122.9590	F-statistic	0.432449	
Durbin-Watson stat	2.043288	Prob(F-statistic)	0.875815	

**PERSAMAAN PPI**

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	2.452967	Probability	0.099210
Obs*R-squared	5.251658	Probability	0.072380

Test Equation:

Dependent Variable: RESID

Method: Least Squares

Date: 07/15/10 Time: 10:21

Presample missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.000421	0.004350	0.096745	0.9234
DLOG(E)	0.014650	0.049421	0.296439	0.7685
DLOG(PPIUS)	0.029274	0.182215	0.160658	0.8732
DLOG(PPI(-1))	0.011931	0.055233	0.216021	0.8301
DLOG(E)*DIT	-0.029896	0.132481	-0.225662	0.8226

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DLOG(PPI(-1))*DIT	-0.106472	0.143646	-0.741212	0.4630
RESID(-1)	0.164649	0.224380	0.733797	0.4675
RESID(-2)	0.318181	0.161358	1.971893	0.0557
R-squared	0.111737	Mean dependent var	-1.62E-18	
Adjusted R-squared	-0.047694	S.D. dependent var	0.024330	
S.E. of regression	0.024904	Akaike info criterion	-4.393754	
Sum squared resid	0.024188	Schwarz criterion	-4.078835	
Log likelihood	111.2532	F-statistic	0.700848	
Durbin-Watson stat	1.926492	Prob(F-statistic)	0.671072	

