

LAMPIRAN

Lampiran 1**Data Mentah**

Tahun	DS (Miliar Rp)	SBI (%)	INV (Miliar Rp)	INF (%)
1999	44,059	12.51	53,627	2.01
2000	16,132	14.53	94,051	5.87
2001	40,485	17.62	58,972	8.89
2002	23,652	15.24	26,241	10
2003	35,109	10.2	55,881	5.1
2004	23,810	7.39	44,783	6.4
2005	14,408	9.09	50,711	17.1
2006	29,142	9.5	162,908	6.6
2007	49,844	8.04	182,915	6.59
2008	4,121	9.3	20,526	11.06
2009	88,619	6.59	37,901	2.78
2010	46,846	6.57	60,772	6.96
2011	84,399	6.8	76,177	3.79
2012	153,300	5.0	92,419	6.8
2013	211,673	4.5	128,499	8.38
2014	226,692	5.8	156,481	8.36
2015	298,495	5.97	179,895	3.35
2016	308,341	5.7	216,695	3.0
2017	340,976	5.0	262,786	3.6
2018	269,443	5.0	329,029	3.13
2019	348,654	5.62	386,892	2.72

Sumber :

DS, SBI dan INF dari LKPP (Kemenkeu)

INV dari Indikator Perekonomian Indonesia (BPS)

Lampiran 2

Hasil Uji Stasioneritas *Augmented Dickey-Fuller*

Variabel Log Defisit Anggaran

Model Intercept

Null Hypothesis: LNDS has a unit root

Exogenous: Constant

Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-0.065425	0.9396
Test critical values:		
1% level	-3.857386	
5% level	-3.040391	
10% level	-2.660551	

Model Intercept & Trend

Null Hypothesis: LNDS has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.239318	0.0166
Test critical values:		
1% level	-4.498307	
5% level	-3.658446	
10% level	-3.268973	

Model None

Null Hypothesis: LNDS has a unit root

Exogenous: None

Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	1.503471	0.9613
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Variabel SBI

Model Intercept

Null Hypothesis: SBI has a unit root

Exogenous: Constant

Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-3.339369	0.0282
Test critical values:		
1% level	-3.857386	
5% level	-3.040391	
10% level	-2.660551	

Model Intercept & Trend

Null Hypothesis: SBI has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-2.988627	0.1603
Test critical values:		
1% level	-4.532598	
5% level	-3.673616	
10% level	-3.277364	

Model None

Null Hypothesis: SBI has a unit root

Exogenous: None

Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-3.329308	0.0023
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Variabel Log Investasi

Model Intercept

Null Hypothesis: LNINV has a unit root
 Exogenous: Constant
 Lag Length: 0 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-1.579637	0.4741
Test critical values:		
1% level	-3.808546	
5% level	-3.020686	
10% level	-2.650413	

Model Intercept & Trend

Null Hypothesis: LNINV has a unit root
 Exogenous: Constant, Linear Trend
 Lag Length: 0 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-2.864758	0.1931
Test critical values:		
1% level	-4.498307	
5% level	-3.658446	
10% level	-3.268973	

Model None

Null Hypothesis: LNINV has a unit root
 Exogenous: None
 Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	1.052791	0.9163
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Variabel Inflasi

Model Intercept

Null Hypothesis: INF has a unit root

Exogenous: Constant

Lag Length: 0 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-3.851622	0.0091
Test critical values:		
1% level	-3.808546	
5% level	-3.020686	
10% level	-2.650413	

Model Intercept & Trend

Null Hypothesis: INF has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.784599	0.0057
Test critical values:		
1% level	-4.498307	
5% level	-3.658446	
10% level	-3.268973	

Model None

Null Hypothesis: INF has a unit root

Exogenous: None

Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-0.754788	0.3752
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Lampiran 3

Hasil Uji Drajat Integrasi

Variabel Log Defisit Anggaran

Model Intercept

Null Hypothesis: D(LNDS) has a unit root
 Exogenous: Constant
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.265756	0.0006
Test critical values:		
1% level	-3.857386	
5% level	-3.040391	
10% level	-2.660551	

Model Intercept & Trend

Null Hypothesis: D(LNDS) has a unit root
 Exogenous: Constant, Linear Trend
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.267912	0.0028
Test critical values:		
1% level	-4.571559	
5% level	-3.690814	
10% level	-3.286909	

Model None

Null Hypothesis: D(LNDS) has a unit root
 Exogenous: None
 Lag Length: 0 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-8.867831	0.0000
Test critical values:		
1% level	-2.692358	
5% level	-1.960171	
10% level	-1.607051	

Variabel SBI

Model Intercept

Null Hypothesis: D(SBI) has a unit root
 Exogenous: Constant
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.296307	0.0005
Test critical values:		
1% level	-3.857386	
5% level	-3.040391	
10% level	-2.660551	

Model Intercept & Trend

Null Hypothesis: D(SBI) has a unit root
 Exogenous: Constant, Linear Trend
 Lag Length: 2 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.654342	0.0093
Test critical values:		
1% level	-4.616209	
5% level	-3.710482	
10% level	-3.297799	

Model None

Null Hypothesis: D(SBI) has a unit root
 Exogenous: None
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.487503	0.0001
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Variabel Log Investasi

Model Intercept

Null Hypothesis: D(LNINV) has a unit root
 Exogenous: Constant
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.054874	0.0009
Test critical values:		
1% level	-3.857386	
5% level	-3.040391	
10% level	-2.660551	

Model Intercept & Trend

Null Hypothesis: D(LNINV) has a unit root
 Exogenous: Constant, Linear Trend
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.196305	0.0031
Test critical values:		
1% level	-4.571559	
5% level	-3.690814	
10% level	-3.286909	

Model None

Null Hypothesis: D(LNINV) has a unit root
 Exogenous: None
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-4.927320	0.0001
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Variabel Inflasi

Model Intercept

Null Hypothesis: D(INF) has a unit root
 Exogenous: Constant
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-6.030106	0.0001
Test critical values:		
1% level	-3.857386	
5% level	-3.040391	
10% level	-2.660551	

Model Intercept & Trend

Null Hypothesis: D(INF) has a unit root
 Exogenous: Constant, Linear Trend
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-6.053438	0.0006
Test critical values:		
1% level	-4.571559	
5% level	-3.690814	
10% level	-3.286909	

Model None

Null Hypothesis: D(INF) has a unit root
 Exogenous: None
 Lag Length: 1 (Automatic - based on AIC, maxlag=2)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-6.183076	0.0000
Test critical values:		
1% level	-2.699769	
5% level	-1.961409	
10% level	-1.606610	

Lampiran 4**Hasil Uji Kointegrasi Engle-Granger****Persamaan Determinan Defisit Anggaran**

Date: 12/09/20 Time: 21:55
 Series: LNDS LNINV SBI INF
 Sample: 1999 2019
 Included observations: 21
 Null hypothesis: Series are not cointegrated
 Cointegrating equation deterministics: C
 Automatic lags specification based on Akaike criterion (maxlag=2)

Dependent	tau-statistic	Prob.*	z-statistic	Prob.*
LNDS	-3.090602	0.4314	-13.38829	0.4129
LNINV	-3.209698	0.3850	-21.99115	0.0278
SBI	-2.345656	0.7567	-10.75355	0.6147
INF	-4.509537	0.0663	-19.31112	0.0914

Persamaan Dampak Defisit Anggaran

Date: 12/09/20 Time: 21:56
 Series: LNDS LNINV
 Sample: 1999 2019
 Included observations: 21
 Null hypothesis: Series are not cointegrated
 Cointegrating equation deterministics: C
 Automatic lags specification based on Akaike criterion (maxlag=2)

Dependent	tau-statistic	Prob.*	z-statistic	Prob.*
LNDS	-2.795664	0.2089	-11.62086	0.1724
LNINV	-3.151859	0.1224	-21.53047	0.0034

Lampiran 5

Hasil Uji regresi ECM Domowitz Elbadwy

Persamaan Determinan Defisit Anggaran

Dependent Variable: D(LNDS)

Method: Least Squares

Date: 12/08/20 Time: 10:41

Sample: 2001 2019

Included observations: 19

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.851218	9.496362	0.300243	0.7696
D(SBI)	0.062542	0.122756	0.509481	0.6205
D(INF)	-0.124435	0.062322	-1.996663	0.0712
D(LNINV)	0.842471	0.339527	2.481308	0.0305
SBI(-1)	-0.589145	0.287540	-2.048914	0.0651
INF(-1)	-0.748993	0.287449	-2.605654	0.0244
LNINV(-1)	-0.396117	0.326437	-1.213456	0.2504
ECT	0.588739	0.257930	2.282552	0.0433
R-squared	0.736398	Mean dependent var		0.161751
Adjusted R-squared	0.568651	S.D. dependent var		1.028396
S.E. of regression	0.675421	Akaike info criterion		2.348601
Sum squared resid	5.018130	Schwarz criterion		2.746259
Log likelihood	-14.31171	Hannan-Quinn criter.		2.415900
F-statistic	4.389938	Durbin-Watson stat		1.937339
Prob(F-statistic)	0.014708			

Persamaan Dampak Defisit Anggaran

Dependent Variable: D(LNINV)

Method: Least Squares

Date: 12/08/20 Time: 11:36

Sample (adjusted): 2000 2019

Included observations: 20 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	10.67167	4.572118	2.334077	0.0330
D(LNDS)	0.413321	0.116290	3.554217	0.0026
LNDS(-1)	-0.207575	0.152855	-1.357988	0.1933
ECTDA	0.588569	0.222007	2.651132	0.0174
R-squared	0.569131	Mean dependent var		0.098804
Adjusted R-squared	0.488343	S.D. dependent var		0.680266
S.E. of regression	0.486596	Akaike info criterion		1.574090
Sum squared resid	3.788404	Schwarz criterion		1.773236
Log likelihood	-11.74090	Hannan-Quinn criter.		1.612965
F-statistic	7.044754	Durbin-Watson stat		1.429172
Prob(F-statistic)	0.003113			

Lampiran 6

Hasil Uji Asumsi Klasik

Multikolinearitas (Determinan Defisit Anggaran)

Variance Inflation Factors
Date: 12/08/20 Time: 09:40
Sample: 2001 2019
Included observations: 19

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
C	90.18089	3755.942	NA
D(SBI)	0.015069	2.273984	2.135964
D(INF)	0.003884	3.527998	3.523552
D(LNINV)	0.115279	2.191417	2.164813
SBI(-1)	0.082679	283.8823	46.23786
INF(-1)	0.082627	195.9832	40.38362
LNINV(-1)	0.106561	2825.211	2.622330
ECT	0.066528	2470.473	111.9413

Multikolinearitas (Dampak Defisit Anggaran)

Variance Inflation Factors
Date: 12/10/20 Time: 11:55
Sample: 1999 2019
Included observations: 20

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
C	20.90426	1765.747	NA
D(LNDS)	0.013523	1.173335	1.161115
LNDS(-1)	0.023365	244.0684	2.840362
ECTDA	0.049287	834.6768	2.620506

Heteroskedastisitas (Determinan Defisit Anggaran)

Heteroskedasticity Test: White

F-statistic	1.655162	Prob. F(14,4)	0.3340
Obs*R-squared	16.20303	Prob. Chi-Square(14)	0.3011
Scaled explained SS	2.800090	Prob. Chi-Square(14)	0.9994

Heteroskedastisitas (Dampak Defisit Anggaran)

Heteroskedasticity Test: White

F-statistic	0.836432	Prob. F(9,10)	0.6009
Obs*R-squared	8.589612	Prob. Chi-Square(9)	0.4760
Scaled explained SS	5.988605	Prob. Chi-Square(9)	0.7411

Otokorelasi (Determinan Defisit Anggaran)

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	0.152920	Prob. F(2,9)	0.8604
Obs*R-squared	0.624444	Prob. Chi-Square(2)	0.7318

Otokorelasi (Dampak Defisit Anggaran)

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	2.021364	Prob. F(2,14)	0.1693
Obs*R-squared	4.481283	Prob. Chi-Square(2)	0.1064

Linearitas (Determinan Defisit Anggaran)

Ramsey RESET Test

Equation: ECM1

Specification: D(LNDS) C D(SBI) D(INF) D(LNINV) SBI(-1) INF(-1) LNINV(-1) ECT

Omitted Variables: Squares of fitted values

	Value	Df	Probability
t-statistic	0.240095	10	0.8151
F-statistic	0.057646	(1, 10)	0.8151
Likelihood ratio	0.109212	1	0.7410

Linearitas (Dampak Defisit Anggaran)

Ramsey RESET Test

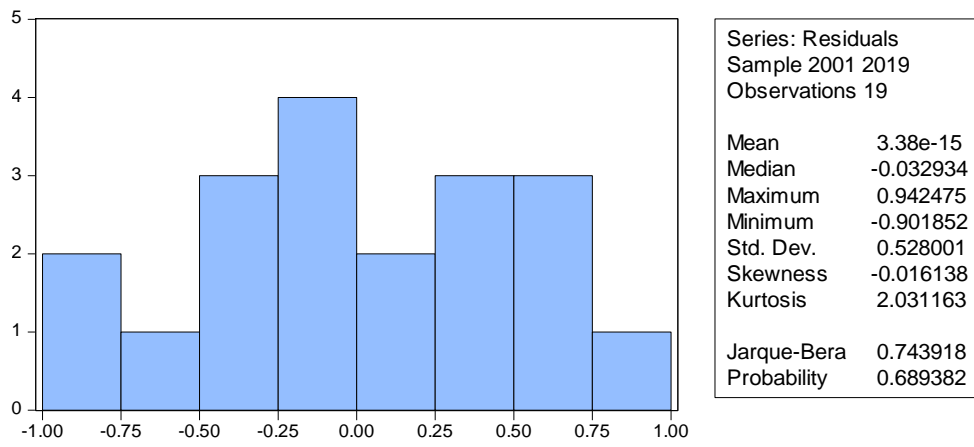
Equation: ECMDAMPAK

Specification: D(LNINV) C D(LNDS) LNDS(-1) ECTDA

Omitted Variables: Powers of fitted values from 2 to 3

	Value	df	Probability
F-statistic	2.927125	(2, 14)	0.0867
Likelihood ratio	6.987216	2	0.0304

Normalitas (Determinan Defisit Anggaran)



Normalitas (Determinan Defisit Anggar

