LAMPIRAN

Lampiran 1. Input Data

TAHUN	Cadangan Devisa (Juta USD)	Impor (Juta USD)	Ekspor (Juta USD)	Kurs (rupiah)	Utang Luar Negeri (Juta USD)
1998	23.606	27.337	48.848	10.014	151.485
1999	27.345	24.003	48.666	7.885	151.807
2000	29.353	33.515	62.124	8.422	144.049
2001	28.104	30.962	56.323	10.261	132.710
2002	32.034	31.289	57.106	9.311	128.444
2003	36.256	32.551	61.035	8.577	134.373
2004	36.311	46.525	71.585	8.939	138.042
2005	34.731	57.701	85.660	9.705	142.132
2006	42.597	61.066	100.799	9.159	135.970
2007	56.936	74.473	114.101	9.141	147.827
2008	51.641	129.197	137.020	9.699	157.916
2009	66.119	96.829	116.510	10.390	179.405
2010	96.211	135.663	157.779	9.090	198.278
2011	110.137	177.436	203.497	8.770	219.629
2012	112.798	191.691	190.020	9.387	252.623
2013	99.387	186.629	182.552	10.461	263.644
2014	111.861	178.179	175.980	11.865	292.565
2015	105.929	142.695	150.366	13.389	307.749
2016	116.370	135.653	145.134	13.308	318.942
2017	130.215	156.986	168.828	13.381	353.564
2018	120.661	188.711	180.013	14.237	379.589
2019	129.186	170.727	167.683	14.148	402.084

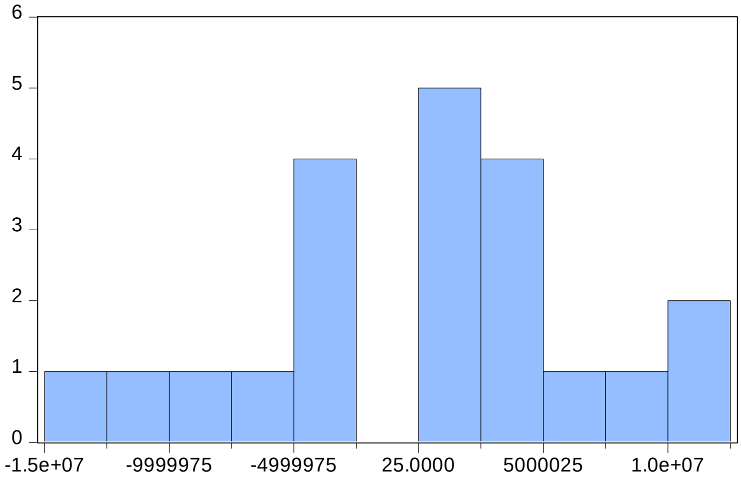
Lampiran 2. Hasil Estimasi Regresi (*Ordinary Least Square*)

Dependent Variable: CD
Method: Least Squares
Date: 02/26/21 Time: 10:27
Sample (adjusted): 1999 2019
Included observations: 21 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-14624263	16302745	-0.897043	0.3830
KURS	-1420.888	2243.458	-0.633347	0.5355
IMP(-1)	0.004603	0.079919	0.057602	0.9548
EKS	0.380624	0.085672	4.442818	0.0004
ULN	0.257843	0.066312	3.888343	0.0013

R-squared	0.968958	Mean dependent var	74961006
Adjusted R-squared	0.961198	S.D. dependent var	39258712
S.E. of regression	7733265.	Akaike info criterion	34.76422
Sum squared resid	9.57E+14	Schwarz criterion	35.01291
Log likelihood	-360.0243	Hannan-Quinn criter.	34.81819
F-statistic	124.8595	Durbin-Watson stat	1.726963
Prob(F-statistic)	0.000000		

Lampiran 3. Uji Normalitas (*Jarque Berra*)



Series: Residuals
Sample 1999 2019
Observations 21

Mean	6.16e-09
Median	1496945.
Maximum	12126758
Minimum	-13167580
Std. Dev.	6916843.
Skewness	-0.157391
Kurtosis	2.422956
Jarque-Bera	0.378058
Probability	0.827762

Lampiran 4. Uji Multikolinieritas (Klien)

a. Variabel Independen KURS

Dependent Variable: KURS
Method: Least Squares
Date: 02/26/21 Time: 10:31
Sample (adjusted): 1999 2019
Included observations: 21 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6715.876	673.1529	9.976746	0.0000
IMP(-1)	4.34E-06	8.58E-06	0.505764	0.6195
EKS	-1.66E-05	8.34E-06	-1.989394	0.0630
ULN	2.46E-05	3.96E-06	6.226580	0.0000

R-squared	0.857759	Mean dependent var	10453.61
Adjusted R-squared	0.832657	S.D. dependent var	2043.701
S.E. of regression	836.0274	Akaike info criterion	16.46484
Sum squared resid	11882012	Schwarz criterion	16.66380
Log likelihood	-168.8809	Hannan-Quinn criter.	16.50802
F-statistic	34.17176	Durbin-Watson stat	0.978521
Prob(F-statistic)	0.000000		

b. Variabel Independen IMP(-1)

Dependent Variable: IMP(-1)
Method: Least Squares
Date: 02/26/21 Time: 10:32
Sample (adjusted): 1999 2019
Included observations: 21 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-73036466	46195211	-1.581040	0.1323
EKS	0.774181	0.179835	4.304950	0.0005
ULN	0.193024	0.195720	0.986225	0.3379
KURS	3417.814	6757.724	0.505764	0.6195

R-squared	0.883862	Mean dependent var	1.02E+08
Adjusted R-squared	0.863367	S.D. dependent var	63490749
S.E. of regression	23468670	Akaike info criterion	36.94987
Sum squared resid	9.36E+15	Schwarz criterion	37.14883
Log likelihood	-383.9737	Hannan-Quinn criter.	36.99305
F-statistic	43.12579	Durbin-Watson stat	1.545805
Prob(F-statistic)	0.000000		

c. Variabel Independen EKS

Dependent Variable: EKS
Method: Least Squares
Date: 02/26/21 Time: 10:32
Sample (adjusted): 1999 2019
Included observations: 21 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.19E+08	35933581	3.323294	0.0040
ULN	0.258009	0.176991	1.457755	0.1631
KURS	-11379.65	5720.160	-1.989394	0.0630
IMP(-1)	0.673700	0.156494	4.304950	0.0005

R-squared	0.848297	Mean dependent var	1.25E+08
Adjusted R-squared	0.821526	S.D. dependent var	51821845
S.E. of regression	21892753	Akaike info criterion	36.81085
Sum squared resid	8.15E+15	Schwarz criterion	37.00981
Log likelihood	-382.5140	Hannan-Quinn criter.	36.85403
F-statistic	31.68704	Durbin-Watson stat	1.323124
Prob(F-statistic)	0.000000		

d. Variabel Independen ULN

Dependent Variable: ULN
Method: Least Squares
Date: 02/26/21 Time: 10:33
Sample (adjusted): 1999 2019
Included observations: 21 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.59E+08	45423264	-3.506338	0.0027
KURS	28208.24	4530.294	6.226580	0.0000
IMP(-1)	0.280369	0.284285	0.986225	0.3379
EKS	0.430657	0.295425	1.457755	0.1631

R-squared	0.918510	Mean dependent var	2.18E+08
Adjusted R-squared	0.904129	S.D. dependent var	91349166
S.E. of regression	28284491	Akaike info criterion	37.32317
Sum squared resid	1.36E+16	Schwarz criterion	37.52213
Log likelihood	-387.8933	Hannan-Quinn criter.	37.36635
F-statistic	63.87117	Durbin-Watson stat	0.880279
Prob(F-statistic)	0.000000		

Lampiran 5. Uji Otokorelasi (*Breusch-Godfrey*)

Breusch-Godfrey Serial Correlation LM Test:

F-statistic	1.839035	Prob. F(2,14)	0.1954
Obs*R-squared	4.369225	Prob. Chi-Square(2)	0.1125

Test Equation:
Dependent Variable: RESID
Method: Least Squares
Date: 02/26/21 Time: 10:29
Sample: 1999 2019
Included observations: 21
Presample missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6838900.	15917568	0.429645	0.6740
KURS	-997.8834	2277.515	-0.438146	0.6680
IMP(-1)	0.045496	0.096997	0.469040	0.6463
EKS	-0.055046	0.098724	-0.557574	0.5859
ULN	0.028522	0.071140	0.400930	0.6945
RESID(-1)	0.207704	0.325398	0.638309	0.5336
RESID(-2)	-0.532326	0.295715	-1.800131	0.0934

R-squared	0.208058	Mean dependent var	6.16E-09
Adjusted R-squared	-0.131345	S.D. dependent var	6916843.
S.E. of regression	7357080.	Akaike info criterion	34.72143
Sum squared resid	7.58E+14	Schwarz criterion	35.06960
Log likelihood	-357.5750	Hannan-Quinn criter.	34.79699
F-statistic	0.613012	Durbin-Watson stat	2.250917
Prob(F-statistic)	0.716702		

Lampiran 6. Uji Heteroskedastisitas (White)

Heteroskedasticity Test: White

F-statistic	0.961625	Prob. F(14,6)	0.5591
Obs*R-squared	14.52609	Prob. Chi-Square(14)	0.4113
Scaled explained SS	5.999455	Prob. Chi-Square(14)	0.9665

Test Equation:
Dependent Variable: RESID^2
Method: Least Squares
Date: 02/26/21 Time: 10:30
Sample: 1999 2019
Included observations: 21

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.03E+15	1.81E+15	0.569960	0.5894
KURS^2	-18719905	29602902	-0.632367	0.5505
KURS*IMP(-1)	-5039.893	2795.212	-1.803045	0.1214
KURS*EKS	3145.781	1617.240	1.945154	0.0997
KURS*ULN	2567.999	1940.369	1.323459	0.2339
KURS	-4.73E+10	3.94E+11	-0.119934	0.9085
IMP(-1)^2	0.075005	0.076158	0.984856	0.3627
IMP(-1)*EKS	-0.238954	0.193005	-1.238071	0.2619
IMP(-1)*ULN	0.110114	0.073546	1.497221	0.1850
IMP(-1)	43344084	26549765	1.632560	0.1537
EKS^2	0.130826	0.087857	1.489090	0.1870
EKS*ULN	-0.043426	0.038643	-1.123770	0.3041
EKS	-33641644	21451528	-1.568263	0.1679
ULN^2	-0.056172	0.039888	-1.408236	0.2087
ULN	-7185065.	9797038.	-0.733391	0.4910

R-squared	0.691719	Mean dependent var	4.56E+13
Adjusted R-squared	-0.027604	S.D. dependent var	5.57E+13
S.E. of regression	5.65E+13	Akaike info criterion	66.34274
Sum squared resid	1.91E+28	Schwarz criterion	67.08883
Log likelihood	-681.5988	Hannan-Quinn criter.	66.50466
F-statistic	0.961625	Durbin-Watson stat	2.396588
Prob(F-statistic)	0.559084		

Lampiran 7. Uji Spesifikasi Model (Ramsey Reset)

Ramsey RESET Test
Equation: MODEL1
Specification: CD C KURS IMP(-1) EKS ULN
Omitted Variables: Squares of fitted values

	Value	df	Probability
t-statistic	1.434439	15	0.1720
F-statistic	2.057615	(1, 15)	0.1720
Likelihood ratio	2.699477	1	0.1004

F-test summary:

	Sum of Sq.	df	Mean Squares
Test SSR	1.15E+14	1	1.15E+14
Restricted SSR	9.57E+14	16	5.98E+13
Unrestricted SSR	8.41E+14	15	5.61E+13

LR test summary:

	Value
Restricted LogL	-360.0243
Unrestricted LogL	-358.6745

Unrestricted Test Equation:
Dependent Variable: CD
Method: Least Squares
Date: 02/26/21 Time: 10:33
Sample: 1999 2019
Included observations: 21

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-36791794	22093448	-1.665281	0.1166
KURS	-3293.606	2534.852	-1.299329	0.2134
IMP(-1)	-0.022351	0.079650	-0.280617	0.7828
EKS	0.551750	0.145316	3.796909	0.0018
ULN	0.493277	0.176248	2.798772	0.0135
FITTED^2	-4.02E-09	2.80E-09	-1.434439	0.1720

R-squared	0.972703	Mean dependent var	74961006
Adjusted R-squared	0.963604	S.D. dependent var	39258712
S.E. of regression	7489688.	Akaike info criterion	34.73091
Sum squared resid	8.41E+14	Schwarz criterion	35.02934
Log likelihood	-358.6745	Hannan-Quinn criter.	34.79568
F-statistic	106.9017	Durbin-Watson stat	1.667805
Prob(F-statistic)	0.000000		