

## Lampiran 1. Ringkasan Hasil Studi Empiris

No	Judul	Penulis	Periode	Metodologi	Variabel yang digunakan	Hasil Penelitian
1	<i>Exchange rate Dynamics in Indonesia: 1980 - 1998</i>	Sweta Chaman Saxena (2002) di Indonesia	Q1 1980 – Q4 1997	<i>structural vector autoregression (SVAR)</i>	<ul style="list-style-type: none"> <li>• Nilai tukar efektif riil</li> <li>• pengeluaran pemerintah</li> <li>• <i>terms of trade</i></li> <li>• keterbukaan (ekspor + impor/ PDB)</li> <li>• <i>capital controls</i></li> <li>• produktivitas</li> </ul>	<ul style="list-style-type: none"> <li>• Pengeluaran pemerintah (-)</li> <li>• <i>terms of trade</i> (-)</li> <li>• keterbukaan (-)</li> <li>• produktivitas (-)</li> <li>• <i>capital controls</i> (+)</li> </ul>
2	Analisa Pergerakan Nilai Tukar Rupiah Terhadap Dollar Amerika setelah Diterapkannya Kebijakan Sistem Nilai	Adwin Surja Atmadja (2002) di Indonesia		<i>Ordinary Least Square (OLS)</i>	<ul style="list-style-type: none"> <li>• selisih tingkat inflasi Indonesia dan Amerika Serikat</li> <li>• selisih tingkat suku bunga riil Indonesia dan Amerika Serikat</li> </ul>	<ul style="list-style-type: none"> <li>• hanya variabel selisih jumlah uang beredar yang signifikan dengan hubungan positif terhadap depresiasi nilai tukar rupiah.</li> </ul>

	Tukar Mengambang Bebas di Indonesia				<ul style="list-style-type: none"> <li>• selisih jumlah uang beredar Indonesia dan Amerika Serikat</li> <li>• selisih pendapatan nasional di Indonesia dan Amerika Serikat,</li> <li>• surplus BOP Indonesia)</li> </ul>	(Lanjutan)
3	<i>Filtering the BEER: A permanent and transitory decomposition</i>	Peter B. Clark dan Ronald MacDonald (2004) di Amerika Serikat, Kanada, dan Inggris	1960 - 1997	<i>Vector Autoregressive (VAR)</i>	<ul style="list-style-type: none"> <li>• nilai tukar efektif riil</li> <li>• <i>interest rate differential</i> (<math>r - r^*</math>)</li> <li>• tnt yaitu rasio harga <i>non-traded</i> (CPI domestik) dengan harga <i>traded goods</i> (WPI atau PPI domestik)</li> <li>• <i>net foreign asset</i>.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>interest rate differential</i> (-)</li> <li>• <i>terms of trade</i> (-)</li> <li>• <i>net foreign asset</i> (-)</li> </ul>
4	Estimasi Nilai Tukar Rupiah Paska Krisis:	Jardine Ariena Husman	M1 2002 – M9 2005	<i>Error Correction</i>	<ul style="list-style-type: none"> <li>• <math>s</math> (log dari nilai tukar nominal rupiah terhadap</li> </ul>	<ul style="list-style-type: none"> <li>• <math>i_t - i_t^*</math> (+)</li> <li>• <math>poil</math> (+)</li> </ul>

	Pendekatan Model Komposit	(2005) di Indonesia		<i>Model (ECM)</i>	dollar Amerika Serikat) <ul style="list-style-type: none"> <li>• <math>i_t - i_t^*</math> (nominal interest rate differential)</li> <li>• nfa (<i>net foreign asset</i>)</li> <li>• tot [<i>term of trade</i> (kenaikan harga ekspor relatif terhadap kenaikan harga impor)]</li> <li>• poil (log dari harga minyak internasional)</li> <li>• risk (log dari indeks risiko yang mencakup <i>political risk, economic risk, dan financial risk</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• risk (+)</li> <li>• nfa (-)</li> <li>• tot (-)</li> </ul>
5	Faktor-Faktor yang Mempengaruhi Nilai Tukar Rupiah	Tri Wibowo dan Hidayat Amir (2005) di Indonesia	M1 2000 – M6 2005	<i>Ordinary Least Square (OLS)</i>	<ul style="list-style-type: none"> <li>• nilai tukar nominal rupiah terhadap dollar US (KURS)</li> <li>• selisih pendapatan riil di</li> </ul>	<ul style="list-style-type: none"> <li>• LGY_INA-LGY_USA (-)</li> <li>• LGWPI_INA-LGWPI_USA (+)</li> <li>• LGKURS(-1)) (+)</li> </ul>

					Indonesia dan Amerika (LGY_INA-LGY_USA)	(Lanjutan)
6	<i>Explaining the European Exchange Rate Deviations: Long Memory or Non-Linear Adjustment?</i>	Gilles Dufrenot, Sandrine Lardic, Laurent Mathieu, Valerie Mignon, Anne Peguin-Feuissolle.	1979 - 1999	ESTAR ( <i>Exponential Smooth Transition Autoregressive Model</i> )	<ul style="list-style-type: none"> <li>• selisih inflasi kedua negara (LGWPI_INA-LGWPI_USA)</li> <li>• nilai tukar rupiah terhadap dollar US satu bulan sebelumnya (LGKURS(-1))</li> </ul>	<ul style="list-style-type: none"> <li>• Kasus Belanda, UK dan Portugal, hasil tes untuk membandingkan prediksi yang akurat tidak mendeteksi perbedaan (<i>difference</i>) yang signifikan antara <i>smooth transition non-linear process</i> dan <i>long memory process</i>.</li> </ul>

		(2006) di Perancis, Jerman, UK, Belanda, dan Portugal			<ul style="list-style-type: none"> <li>• NFA (<i>net foreign assets</i> dengan menggunakan data <i>net income</i> dari luar negeri sebagai proksi)</li> <li>• <math>\lambda</math> (rasio defisit anggaran pemerintah terhadap GDP)</li> <li>• FISCAL, yaitu ukuran selisih upah riil dan pendapatan yang dibayarkan oleh orang yang mempekerjakan serta upah riil dan pendapatan yang dihasilkan oleh pekerja)</li> <li>• <math>r_t - r^*_t</math> (<i>interest rate differential</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• Kasus Jerman: hasil uji untuk membandingkan prediksi akurat menunjukkan bahwa model memori jangka panjang lebih baik daripada model ESTAR, bahkan hasil uji untuk memori jangka panjang tidak mendeteksi fenomena persistensi yang signifikan.</li> </ul>
7	<i>Behavioral Equilibrium</i>	MacDonald	Q1 1988 –	<i>the</i>	<ul style="list-style-type: none"> <li>• nilai tukar efektif riil</li> </ul>	<ul style="list-style-type: none"> <li>• <math>tb (+)</math> untuk Kanada, Cina,</li> </ul>

	<i>Exchange Rate Estimates and Implied Exchange Rate Adjustment for Ten Countries</i>	dan Dias (2007) di Kanada, Cina, Jerman, Jepang, Norwegia, Singapura, Swedia, Switzerland, United Kingdom (UK), dan Amerika Serikat	Q1 2006	<i>multivariate cointegration estimation of Johansen (1995) dan Panel DOLS estimator</i>	(REER) <ul style="list-style-type: none"> <li>• <i>trade balance</i>; yaitu proporsi net ekspor terhadap PDB (tb)</li> <li>• <i>terms of trade</i> (tot)</li> <li>• produktivitas, yaitu PDB/perkapita (prod.)</li> <li>• suku bunga riil (<math>r_t</math>)</li> </ul>	Jerman, Jepang, Norwegia, Singapura, Swedia, Switzerland. <ul style="list-style-type: none"> <li>• tot (-) untuk Kanada, Cina, Jepang, Switzerland, dan Amerika Serikat.</li> <li>• produktivitas (-) untuk Cina, Norwegia, Singapura, Switzerland, UK, dan Amerika Serikat.</li> <li>• r (-) untuk Kanada, Jepang, Norwegia, Singapura, Swedia, dan UK.</li> </ul>
8	<i>Equilibrium Real Effective Exchange Rate and Exchange Rate Misalignment in Pakistan</i>	Zulfiqar Hyder dan Adil Mahboob (2006) di Pakistan	1978 - 2005	<i>Ordinary Least Square (OLS) dan Error</i>	<ul style="list-style-type: none"> <li>• Nilai tukar efektif riil (REER)</li> <li>• <i>terms of trade</i> (tot)</li> <li>• <i>trade openness</i> (trop)</li> </ul>	<ul style="list-style-type: none"> <li>• Trop (+)</li> <li>• Govc (+)</li> <li>• Capinf (+)</li> <li>• Rigdp (-)</li> </ul>

				<p><i>Correction Model (ECM)</i></p> <ul style="list-style-type: none"> <li>• <i>net capital inflows</i> (capinf)</li> <li>• <i>total factor productivity differentials</i> (tfpd)</li> <li>• <i>real investment</i> terhadap rasio GDP (rigdp)</li> <li>• pengeluaran pemerintah sebagai persen terhadap GDP (govc)</li> <li>• <i>workers' remittances</i> sebagai persen dari GDP (remg).</li> </ul>	<ul style="list-style-type: none"> <li>• Remg (-)</li> <li>• Tot (-)</li> <li>• Tfpd (-)</li> <li>• koefisien <i>error correction term</i> mengindikasikan konvergensi nilai tukar ke keseimbangan jangka panjang. Hal ini menunjukkan bahwa ada kecenderungan REER menuju ke EREER.</li> </ul>
9	<p><i>Estimating Renminbi (RMB) Equilibrium Exchange Rate</i></p>	<p>Wang Yajie, Hui Xiaofeng, dan Abdol S. Soofi (2007) di Cina</p>		<p><i>Vector Autoregressive (VAR)</i></p> <ul style="list-style-type: none"> <li>• nilai tukar efektif riil (REER)]</li> <li>• res (cadangan devisa)</li> <li>• mon (jumlah uang beredar sebagai ukuran kebijakan moneter)</li> </ul>	<ul style="list-style-type: none"> <li>• Res (-)</li> <li>• Tot (-)</li> <li>• Tnt (-)</li> <li>• Mon (+)</li> </ul>

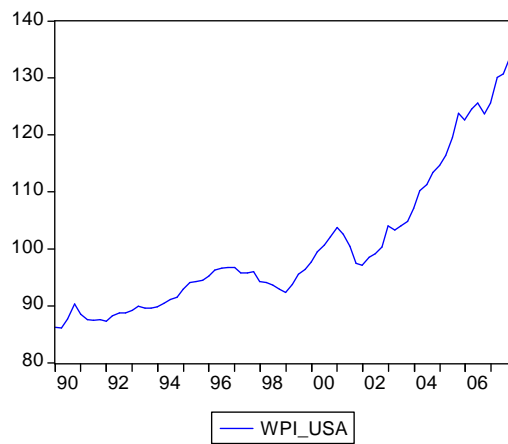
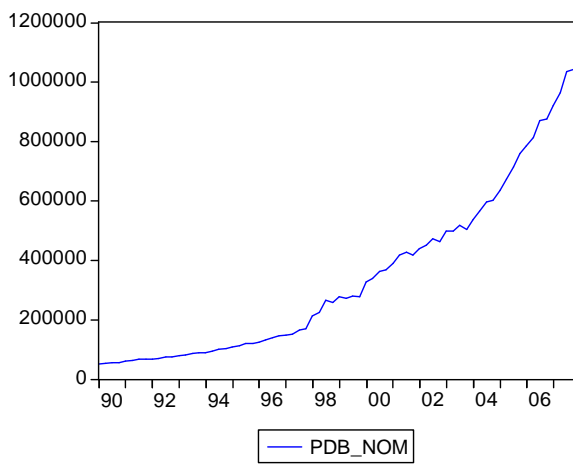
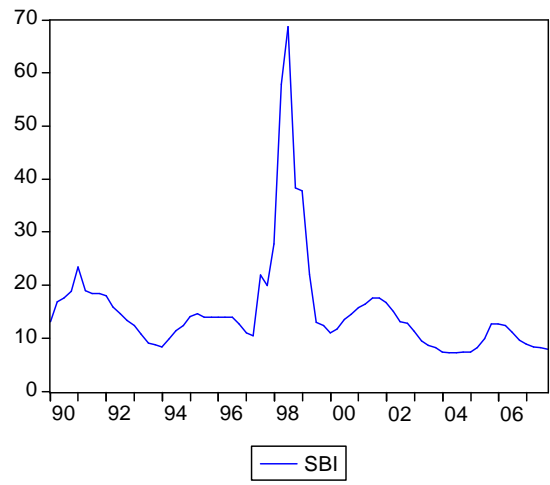
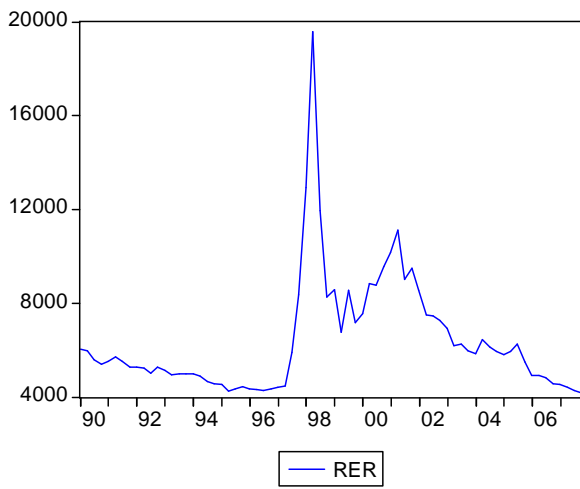
					<ul style="list-style-type: none"> <li>• <math>tot</math> (<i>terms of trade</i>),</li> <li>• <math>tnt</math> (rasio harga <i>non-tradable</i> dan <i>tradable</i> goods).</li> </ul>	
10	<i>Monetary Shocks and Real Exchange Rates</i>	John H. Rogers (1998)		<i>Structural Vector Autoregressive (SVAR)</i>	<ul style="list-style-type: none"> <li>• nilai tukar riil (<math>q_t</math>)</li> <li>• pengeluaran pemerintah relatif (<math>g_t</math>)</li> <li>• <i>output</i> relatif (<math>y_t</math>)</li> <li>• <i>money multiplier</i> (<math>mm_t</math>),</li> </ul>	<ul style="list-style-type: none"> <li>• <math>gt</math> (-)</li> <li>• <math>y_t</math> (-)</li> <li>• <math>mm_t</math> (+)</li> <li>• <math>h_t</math> (+)</li> </ul>

Keterangan: (+) = Depresiasi

(-) = Apresiasi



## Lampiran 2. Grafik Garis Data



### Lampiran 3. Uji Stasioneritas Data

#### 1. Pada Tingkat Level

- RER

Null Hypothesis: LNRER has a unit root

Exogenous: Constant, Linear Trend

Bandwidth: 2 (Newey-West using Bartlett kernel)

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-1.921770	0.6328
Test critical values:		
1% level	-4.092547	
5% level	-3.474363	
10% level	-3.164499	

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

- SBI

Null Hypothesis: SBI has a unit root

Exogenous: Constant

Bandwidth: 3 (Newey-West using Bartlett kernel)

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-2.929437	0.0470
Test critical values:		
1% level	-3.525618	
5% level	-2.902953	
10% level	-2.588902	

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

- PDB Nominal

Null Hypothesis: LNPDB\_NOM has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 2 (Automatic based on SIC, MAXLAG=11)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-2.307019	0.4244
Test critical values:		
1% level	-4.096614	
5% level	-3.476275	
10% level	-3.165610	

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

(Lanjutan)

- WPI\_USA

Null Hypothesis: LNWPI\_USA has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 1 (Automatic based on SIC, MAXLAG=11)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-0.525288	0.9801
Test critical values: 1% level	-4.094550	
5% level	-3.475305	
10% level	-3.165046	

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

## 2. Pada Tingkat Turunan Pertama [*First Difference (1<sup>st</sup> diff)*]

- RER

Null Hypothesis: D(LNRER) has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic based on SIC, MAXLAG=11)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-6.554977	0.0000
Test critical values: 1% level	-4.094550	
5% level	-3.475305	
10% level	-3.165046	

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

- SBI

Null Hypothesis: D(SBI) has a unit root

Exogenous: Constant

Bandwidth: 1 (Newey-West using Bartlett kernel)

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-7.101036	0.0000
Test critical values: 1% level	-3.527045	
5% level	-2.903566	
10% level	-2.589227	

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

(Lanjutan)

- PDB Nominal

Null Hypothesis: D(LNPDB\_NOM) has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 2 (Automatic based on SIC, MAXLAG=11)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-5.301292	0.0002
Test critical values: 1% level	-4.098741	
5% level	-3.477275	
10% level	-3.166190	

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

- WPI\_USA

Null Hypothesis: D(LNM2RIIL) has a unit root

Exogenous: Constant, Linear Trend

Lag Length: 0 (Automatic based on SIC, MAXLAG=11)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-9.420074	0.0000
Test critical values: 1% level	-4.094550	
5% level	-3.475305	
10% level	-3.165046	

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

### Lampiran 4. Uji Kointegrasi

- Johansen Co integration Test Summary**

Date: 07/07/09 Time: 11:49

Sample: 1990:1 2007:4

Included observations: 69

Series: D(LOG(RER)) D(SBI) D(LOG(PDB)) D(LOG(WPI\_USA))

Lags interval: 1 to 1

Data Trend:	None	None	Linear	Linear	Quadratic
Rank or No. of CEs	No Intercept No Trend	Intercept No Trend	Intercept No Trend	Intercept Trend	Intercept Trend
Selected (5% level) Number of Cointegrating Relations by Model (columns)					
Trace	4	4	4	4	4
Max-Eig	4	4	4	4	4
Log Likelihood by Rank (rows) and Model (columns)					
0	143.9498	143.9498	143.9537	143.9537	144.0387
1	169.3276	170.3816	170.3828	170.3960	170.4806
2	185.1075	189.6162	189.6171	189.7055	189.7894
3	194.1234	204.5743	204.5748	205.8580	205.9085
4	196.6476	213.5330	213.5330	216.2715	216.2715
Akaike Information Criteria by Rank (rows) and Model (columns)					
0	-3.708688	-3.708688	-3.592861	-3.592861	-3.479383
1	-4.212395	-4.213959	-4.127039	-4.098436	-4.013930
2	-4.437900	-4.510615	-4.452669	-4.397261	-4.341721
3	-4.467344	-4.683312*	-4.654341	-4.604580	-4.577059
4	-4.308627	-4.682115	-4.682115	-4.645552	-4.645552
Schwarz Criteria by Rank (rows) and Model (columns)					
0	-3.190635	-3.190635	-2.945294	-2.945294	-2.702303
1	-3.435314*	-3.404500	-3.220445	-3.159464	-2.977823
2	-3.401792	-3.409751	-3.287049	-3.166883	-3.046587
3	-3.172209	-3.291043	-3.229694	-3.082798	-3.022898
4	-2.754466	-2.998440	-2.998440	-2.832364	-2.832364

(Lanjutan)

• **Johansen's Cointegration Test Asumsi 2**

Date: 07/07/09 Time: 11:50

Sample(adjusted): 1990:4 2007:4

Included observations: 69 after adjusting endpoints

Trend assumption: No deterministic trend (restricted constant)

Series: D(LOG(RER)) D(SBI) D(LOG(PDB)) D(LOG(WPI\_USA))

Lags interval (in first differences): 1 to 1

Unrestricted Cointegration Rank Test

Hypothesized No. of CE(s)	Eigenvalue	Trace Statistic	5 Percent Critical Value	1 Percent Critical Value
None **	0.535196	139.1664	53.12	60.16
At most 1 **	0.427376	86.30276	34.91	41.07
At most 2 **	0.351807	47.83346	19.96	24.60
At most 3 **	0.228696	17.91738	9.24	12.97

\*(\*\*) denotes rejection of the hypothesis at the 5%(1%) level

Trace test indicates 4 cointegrating equation(s) at both 5% and 1% levels

Hypothesized No. of CE(s)	Eigenvalue	Max-Eigen Statistic	5 Percent Critical Value	1 Percent Critical Value
None **	0.535196	52.86365	28.14	33.24
At most 1 **	0.427376	38.46931	22.00	26.81
At most 2 **	0.351807	29.91607	15.67	20.20
At most 3 **	0.228696	17.91738	9.24	12.97

\*(\*\*) denotes rejection of the hypothesis at the 5%(1%) level

Max-eigenvalue test indicates 4 cointegrating equation(s) at both 5% and 1% levels

Unrestricted Cointegrating Coefficients (normalized by b'S11\*b=I):

D(LOG(RER))	D(SBI)	D(LOG(PDB))	D(LOG(WPI_U SA))	C
12.42465	-0.194030	-21.08018	21.51088	0.803540
0.436949	0.267211	-43.49517	4.974318	1.869100
2.797261	0.089340	13.68128	61.87810	-0.946911
-5.873374	0.007645	-6.281993	68.07495	-0.170219

Unrestricted Adjustment Coefficients (alpha):

D(LOG(RER),2)	D(SBI,2)	D(LOG(PDB),2)	D(LOG(WPI_US A),2)	C
0.028086	-0.016216	-0.051558	0.039345	
3.657595	-2.139770	-0.514315	-0.208970	
0.022353	0.018946	-0.004687	0.000996	
-0.001937	0.000485	-0.006833	-0.004154	

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1 Cointegrating Equation(s):    Log likelihood    170.3816

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Normalized cointegrating coefficients (std.err. in parentheses)

D(LOG(RER))	D(SBI)	D(LOG(PDB))	D(LOG(WPI_USA))	C
1.000000	-0.015617	-1.696641	1.731306	0.064673
	(0.00289)	(0.45430)	(0.88662)	(0.02230)

Adjustment coefficients (std.err. in parentheses)

D(LOG(RER),2)	0.348959
	(0.19414)
D(SBI,2)	45.44435
	(7.49265)
D(LOG(PDB),2)	0.277723
	(0.05686)
D(LOG(WPI_USA),2)	-0.024061
	(0.02261)

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2 Cointegrating Equation(s):    Log likelihood    189.6162

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Normalized cointegrating coefficients (std.err. in parentheses)

D(LOG(RER))	D(SBI)	D(LOG(PDB))	D(LOG(WPI_USA))	C
1.000000	0.000000	-4.133074	1.971670	0.169578
		(0.48927)	(1.15502)	(0.02560)
0.000000	1.000000	-156.0163	15.39160	6.717555
		(20.9920)	(49.5553)	(1.09821)

Adjustment coefficients (std.err. in parentheses)

D(LOG(RER),2)	0.341873	-0.009783
	(0.19262)	(0.00512)
D(SBI,2)	44.50938	-1.281452
	(6.71950)	(0.17848)
D(LOG(PDB),2)	0.286001	0.000725
	(0.04869)	(0.00129)
D(LOG(WPI_USA),2)	-0.023850	0.000505
	(0.02261)	(0.00060)

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3 Cointegrating Equation(s):    Log likelihood    204.5743

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Normalized cointegrating coefficients (std.err. in parentheses)

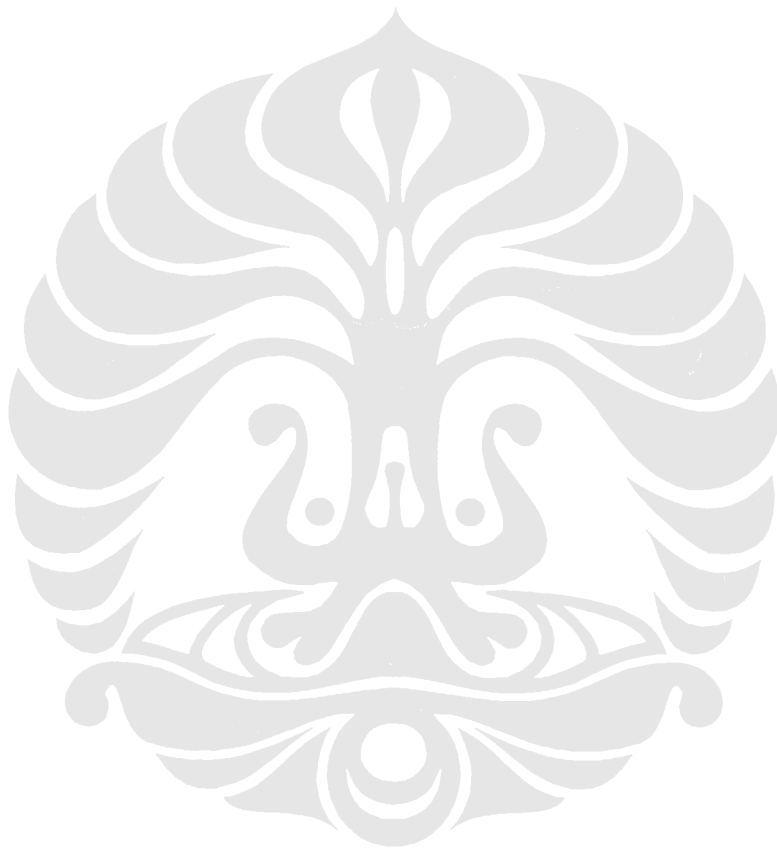
D(LOG(RER))	D(SBI)	D(LOG(PDB))	D(LOG(WPI_USA))	C
1.000000	0.000000	0.000000	7.772142	-0.043654
			(1.78996)	(0.02191)
0.000000	1.000000	0.000000	234.3493	-1.331566
			(68.2987)	(0.83598)
0.000000	0.000000	1.000000	1.403428	-0.051592
			(0.44328)	(0.00543)

Adjustment coefficients (std.err. in parentheses)

D(LOG(RER),	0.197651	-0.014389	-0.592111
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2)			
	(0.17954)	(0.00482)	(0.70774)
D(SBI,2)	43.07070	-1.327401	8.930440
	(6.83859)	(0.18359)	(26.9576)
D(LOG(PDB),	0.272891	0.000307	-1.359375
2)			
	(0.04935)	(0.00132)	(0.19452)
D(LOG(WPI_	-0.042964	-0.000105	-0.073746
USA),2)			
	(0.02046)	(0.00055)	(0.08067)

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## Lampiran 5. Data Variabel Penelitian

Period	RER	SBI	PDB Nominal	WPI_USA	CRISIS
Q1 1990	6012.206	13.130	49958.400	86.3	0
Q2 1990	5955.748	16.940	51681.600	86.1	0
Q3 1990	5579.4832	17.630	54864.600	87.7	0
Q4 1990	5397.663	18.830	54361.600	90.3	0
Q1 1991	5517.5784	23.550	58937.200	88.5	0
Q2 1991	5711.2061	18.990	61199.500	87.6	0
Q3 1991	5526.3276	18.500	65067.000	87.4	0
Q4 1991	5268.8964	18.470	64764.900	87.6	0
Q1 1992	5271.4988	17.990	66641.000	87.3	0
Q2 1992	5228.6614	16.000	68764.600	88.3	0
Q3 1992	5005.1181	14.660	73472.900	88.8	0
Q4 1992	5252.6921	13.500	73516.400	88.8	0
Q1 1993	5126.5849	12.500	77581.590	89.2	0
Q2 1993	4940.062	10.740	80430.650	90.0	0
Q3 1993	4983.8143	9.110	85523.750	89.6	0
Q4 1993	4984.3262	8.820	86239.840	89.6	0
Q1 1994	4961.1807	8.450	87979.000	89.9	0
Q2 1994	4861.8226	9.940	92988.400	90.4	0
Q3 1994	4653.1531	11.550	99809.700	91.1	0
Q4 1994	4560.6555	12.440	101442.500	91.5	0
Q1 1995	4536.7234	14.130	106543.200	93.0	0
Q2 1995	4232.8751	14.740	111668.100	94.1	0
Q3 1995	4329.527	14.020	117120.000	94.3	0
Q4 1995	4414.1982	13.990	119182.800	94.5	0
Q1 1996	4322.5876	13.990	122529.500	95.2	0
Q2 1996	4311.8571	13.990	128845.500	96.3	0
Q3 1996	4267.1464	13.960	136939.800	96.6	0
Q4 1996	4327.8662	12.800	144253.200	96.8	0
Q1 1997	4405.8133	11.070	145800.900	96.8	0
Q2 1997	4448.0055	10.500	149405.700	95.8	0
Q3 1997	5898.8246	22.000	163236.700	95.8	1
Q4 1997	8330.0664	20.000	169252.100	96.1	1
Q1 1998	12933.448	27.750	211574.900	94.2	1
Q2 1998	19570.807	58.000	222809.000	94.1	1
Q3 1998	11952.442	68.760	264263.200	93.7	1
Q4 1998	8239.2408	38.440	257106.200	93.0	1
Q1 1999	8571.0988	37.840	275226.500	92.4	1

Q2 1999	6742.6627	22.050	271595.500	93.8	1
Q3 1999	8547.5946	13.020	277558.000	95.6	1
Q4 1999	7153.5709	12.510	275351.600	96.4	1
Q1 2000	7558.7758	11.030	325958.600	97.7	1
Q2 2000	8824.5829	11.740	336967.100	99.5	1
Q3 2000	8755.4822	13.620	360701.600	100.7	1
Q4 2000	9563.7565	14.530	366142.600	102.1	1
Q1 2001	10162.053	15.820	386648.800	103.8	0
Q2 2001	11112.826	16.550	416069.900	102.6	0
Q3 2001	9020.763	17.570	426828.300	100.5	0
Q4 2001	9492.2001	17.620	416775.000	97.5	0
Q1 2002	8523.3242	16.760	436975.100	97.1	0
Q2 2002	7494.6454	15.110	450640.400	98.6	0
Q3 2002	7450.2722	13.220	472136.100	99.2	0
Q4 2002	7276.0892	12.930	462081.800	100.3	0
Q1 2003	6925.5693	11.400	496247.800	104.0	0
Q2 2003	6187.6134	9.530	498023.800	103.3	0
Q3 2003	6226.9543	8.660	516103.700	104.0	0
Q4 2003	5952.644	8.310	503299.300	104.9	0
Q1 2004	5817.8489	7.420	536605.300	107.1	0
Q2 2004	6431.9689	7.340	564422.100	110.2	0
Q3 2004	6130.9255	7.390	595320.600	111.3	0
Q4 2004	5915.7381	7.430	599478.200	113.4	0
Q1 2005	5788.2989	7.440	632330.500	114.6	0
Q2 2005	5909.8232	8.250	670475.600	116.4	0
Q3 2005	6239.3617	10.000	713000.100	119.6	0
Q4 2005	5488.09	12.750	758474.900	123.8	0
Q1 2006	4895.7517	12.730	782778.700	122.6	0
Q2 2006	4916.5477	12.500	812968.400	124.6	0
Q3 2006	4812.5768	11.250	870551.400	125.6	0
Q4 2006	4567.734	9.750	873181.100	123.7	0
Q1 2007	4527.0288	9.000	920214.000	125.6	0
Q2 2007	4393.692	8.500	962838.200	130.2	0
Q3 2007	4273.9542	8.250	1033261.800	130.8	0
Q4 2007	4181.178	8.000	1041089.900	133.7	0