Lampiran I
Uji Signifikansi Model GARCH

GARCH(1,1)

Dependent Variable: RETURN
Method: ML - ARCH
Date: 10/08/09 Time: 16:23
Sample: 1 2054
Included observations: 2054
Convergence achieved after 15 iterations
Variance backcast: ON
GARCH = C(2) + C(3)*RESID(-1)^2 + C(4)*GARCH(-1)

	Coefficient	Std. Error	z-Statistic	Prob.
C	0.000884	0.000278	3.176466	0.0015
	Variance Equation			
C	8.84E-06	1.56E-06	5.670878	0.0000
RESID(-1)^2	0.161400	0.012696	12.71260	0.0000
GARCH(-1)	0.826648	0.012381	66.76752	0.0000

R-squared	-0.001215	Mean dependent var	0.000226
Adjusted R-squared	-0.002680	S.D. dependent var	0.018889
S.E. of regression	0.018915	Akaike info criterion	-5.394233
Sum squared resid	0.733409	Schwarz criterion	-5.383273
Log likelihood	5543.877	Durbin-Watson stat	1.663923

GARCH(1,2)

Dependent Variable: RETURN
Method: ML - ARCH
Date: 10/09/09 Time: 14:29
Sample: 1 2054
Included observations: 2054
Convergence not achieved after 500 iterations
Variance backcast: ON
GARCH = C(2) + C(3)*RESID(-1)^2 + C(4)*GARCH(-1) + C(5)
*GARCH(-2)

	Coefficient	Std. Error	z-Statistic	Prob.
C	0.000883	0.000278	3.175166	0.0015
	Variance Equation			
C	8.99E-06	1.88E-06	4.793174	0.0000
RESID(-1)^2	0.164101	0.026289	6.242182	0.0000
GARCH(-1)	0.804329	0.154345	5.211228	0.0000
GARCH(-2)	0.019379	0.131171	0.147739	0.8825

R-squared	-0.001213	Mean dependent var	0.000226
Adjusted R-squared	-0.003167	S.D. dependent var	0.018889
S.E. of regression	0.018919	Akaike info criterion	-5.393269
Sum squared resid	0.733407	Schwarz criterion	-5.379570
Log likelihood	5543.887	Durbin-Watson stat	1.663927

GARCH(2,1)

Dependent Variable: RETURN
Method: ML - ARCH
Date: 10/09/09 Time: 14:30
Sample: 1 2054
Included observations: 2054
Convergence achieved after 15 iterations
Variance backcast: ON
GARCH = C(2) + C(3)*RESID(-1)^2 + C(4)*RESID(-2)^2 + C(5)
*GARCH(-1)

	Coefficient	Std. Error	z-Statistic	Prob.
C	0.000882	0.000278	3.172833	0.0015
	Variance Equation			
C	8.68E-06	1.59E-06	5.473444	0.0000
RESID(-1)^2	0.168712	0.026708	6.316888	0.0000
RESID(-2)^2	-0.010274	0.026250	-0.391385	0.6955
GARCH(-1)	0.829695	0.013232	62.70508	0.0000

R-squared	-0.001208	Mean dependent var	0.000226
Adjusted R-squared	-0.003162	S.D. dependent var	0.018889
S.E. of regression	0.018919	Akaike info criterion	-5.393296
Sum squared resid	0.733403	Schwarz criterion	-5.379597
Log likelihood	5543.915	Durbin-Watson stat	1.663935

GARCH(2,2)

Dependent Variable: RETURN
Method: ML - ARCH
Date: 10/09/09 Time: 14:34
Sample: 1 2054
Included observations: 2054
Convergence achieved after 28 iterations
Variance backcast: ON
GARCH = C(2) + C(3)*RESID(-1)^2 + C(4)*RESID(-2)^2 + C(5)
*GARCH(-1) + C(6)*GARCH(-2)

	Coefficient	Std. Error	z-Statistic	Prob.
C	0.000882	0.000281	3.136761	0.0017
	Variance Equation			
C	1.49E-05	3.78E-06	3.935646	0.0001
RESID(-1)^2	0.144773	0.021131	6.851147	0.0000
RESID(-2)^2	0.135710	0.044277	3.065057	0.0022
GARCH(-1)	0.089712	0.338758	0.264827	0.7911
GARCH(-2)	0.610818	0.283833	2.152035	0.0314

R-squared	-0.001207	Mean dependent var	0.000226
Adjusted R-squared	-0.003651	S.D. dependent var	0.018889
S.E. of regression	0.018924	Akaike info criterion	-5.392476
Sum squared resid	0.733403	Schwarz criterion	-5.376037
Log likelihood	5544.073	Durbin-Watson stat	1.663936

Lampiran III

HASIL ESTIMASI PARAMETER GPD

Empirical Distribution Test for GPD0
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 16:17
Sample: 1 73
Included observations: 73

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.313332	0.320666	< 0.01
Watson (U2)	0.240740	0.246375	< 0.01
Anderson-Darling (A2)	2.244857	2.297405	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042588	0.001319	-32.29333	0.0000
S	0.010865	0.001101	9.866603	0.0000

Log likelihood	207.2655	Mean dependent var.	-0.050008
No. of Coefficients	2	S.D. dependent var.	0.019019

Empirical Distribution Test for GPD1
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:47
Sample: 1 66
Included observations: 66

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.302564	0.310013	< 0.01
Watson (U2)	0.237005	0.242839	< 0.01
Anderson-Darling (A2)	2.144141	2.196926	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042827	0.001444	-29.65584	0.0000
S	0.011311	0.001208	9.363644	0.0000

Log likelihood	184.7524	Mean dependent var.	-0.050548
No. of Coefficients	2	S.D. dependent var.	0.019657

Empirical Distribution Test for GPD2
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:49
Sample: 1 68
Included observations: 68

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.323165	0.331003	< 0.01
Watson (U2)	0.251487	0.257586	< 0.01
Anderson-Darling (A2)	2.260269	2.315089	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042714	0.001390	-30.73020	0.0000
S	0.011057	0.001164	9.496524	0.0000

Log likelihood	191.7219	Mean dependent var.	-0.050291
No. of Coefficients	2	S.D. dependent var.	0.019420

Empirical Distribution Test for GPD3
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:50
Sample: 1 69
Included observations: 69

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.304491	0.311822	< 0.01
Watson (U2)	0.238388	0.244128	< 0.01
Anderson-Darling (A2)	2.114895	2.165815	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042875	0.001392	-30.81112	0.0000
S	0.011142	0.001161	9.593914	0.0000

Log likelihood	194.3040	Mean dependent var.	-0.050463
No. of Coefficients	2	S.D. dependent var.	0.019329

Empirical Distribution Test for GPD4
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:51
Sample: 1 69
Included observations: 69

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.304608	0.311942	< 0.01
Watson (U2)	0.238636	0.244382	< 0.01
Anderson-Darling (A2)	2.140802	2.192347	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042788	0.001395	-30.66716	0.0000
S	0.011171	0.001165	9.586509	0.0000

Log likelihood	194.1101	Mean dependent var.	-0.050398
No. of Coefficients	2	S.D. dependent var.	0.019370

Empirical Distribution Test for GPD5
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:56
Sample: 1 57
Included observations: 57

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.165748	0.170139	[0.01, 0.025)
Watson (U2)	0.123149	0.126412	[0.025, 0.05)
Anderson-Darling (A2)	1.286554	1.320636	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041201	0.001218	-33.83019	0.0000
S	0.008854	0.001003	8.823651	0.0000

Log likelihood	174.0919	Mean dependent var.	-0.047156
No. of Coefficients	2	S.D. dependent var.	0.015330

Empirical Distribution Test for GPD6
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:58
Sample: 1 53
Included observations: 53

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.178199	0.183094	< 0.01
Watson (U2)	0.132713	0.136359	[0.025, 0.05)
Anderson-Darling (A2)	1.406437	1.445075	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.040775	0.001265	-32.24094	0.0000
S	0.008875	0.001050	8.449964	0.0000

Log likelihood	161.3914	Mean dependent var.	-0.046805
No. of Coefficients	2	S.D. dependent var.	0.015661

Empirical Distribution Test for GPD7
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 08:59
Sample: 1 48
Included observations: 48

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.180990	0.186215	< 0.01
Watson (U2)	0.137811	0.141789	[0.01, 0.025)
Anderson-Darling (A2)	1.327952	1.366287	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041240	0.001383	-29.81536	0.0000
S	0.009237	0.001152	8.017249	0.0000

Log likelihood	144.2103	Mean dependent var.	-0.047522
No. of Coefficients	2	S.D. dependent var.	0.016180

Empirical Distribution Test for GPD8
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:47
Sample: 1 47
Included observations: 47

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.179376	0.184609	< 0.01
Watson (U2)	0.138182	0.142213	[0.01, 0.025)
Anderson-Darling (A2)	1.261341	1.298138	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.040546	0.001275	-31.81066	0.0000
S	0.008422	0.001060	7.942378	0.0000

Log likelihood	145.5726	Mean dependent var.	-0.046270
No. of Coefficients	2	S.D. dependent var.	0.014959

Empirical Distribution Test for GPD9
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:48
Sample: 1 49
Included observations: 49

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.223961	0.230360	< 0.01
Watson (U2)	0.178754	0.183862	< 0.01
Anderson-Darling (A2)	1.531551	1.575310	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041225	0.001396	-29.52484	0.0000
S	0.009418	0.001168	8.061252	0.0000

Log likelihood	146.2401	Mean dependent var.	-0.047635
No. of Coefficients	2	S.D. dependent var.	0.016323

Empirical Distribution Test for GPD10
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:50
Sample: 1 49
Included observations: 49

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.187017	0.192360	< 0.01
Watson (U2)	0.153525	0.157911	[0.01, 0.025)
Anderson-Darling (A2)	1.248965	1.284649	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041036	0.001322	-31.04672	0.0000
S	0.008898	0.001093	8.138869	0.0000

Log likelihood	149.5983	Mean dependent var.	-0.046988
No. of Coefficients	2	S.D. dependent var.	0.015070

Empirical Distribution Test for GPD11
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:51
Sample: 1 46
Included observations: 46

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.197569	0.203395	< 0.01
Watson (U2)	0.161620	0.166386	< 0.01
Anderson-Darling (A2)	1.305211	1.343700	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041055	0.001373	-29.91230	0.0000
S	0.008960	0.001140	7.862058	0.0000

Log likelihood	139.9142	Mean dependent var.	-0.047089
No. of Coefficients	2	S.D. dependent var.	0.015362

Empirical Distribution Test for GPD12
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:54
Sample: 1 45
Included observations: 45

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.154055	0.158648	[0.01, 0.025)
Watson (U2)	0.125358	0.129095	[0.025, 0.05)
Anderson-Darling (A2)	1.039878	1.070881	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.040821	0.001325	-30.80222	0.0000
S	0.008549	0.001091	7.836780	0.0000

Log likelihood	139.2734	Mean dependent var.	-0.046523
No. of Coefficients	2	S.D. dependent var.	0.014663

Empirical Distribution Test for GPD13
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:55
Sample: 1 46
Included observations: 46

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.134275	0.138235	[0.025, 0.05)
Watson (U2)	0.108245	0.111437	[0.05, 0.1)
Anderson-Darling (A2)	0.938469	0.966143	[0.01, 0.025)

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.040928	0.001308	-31.30259	0.0000
S	0.008523	0.001071	7.958134	0.0000

Log likelihood	142.6876	Mean dependent var.	-0.046580
No. of Coefficients	2	S.D. dependent var.	0.014504

Empirical Distribution Test for GPD14
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:56
Sample: 1 46
Included observations: 46

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.152180	0.156667	[0.01, 0.025)
Watson (U2)	0.125691	0.129398	[0.025, 0.05)
Anderson-Darling (A2)	1.065226	1.096638	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041340	0.001409	-29.34631	0.0000
S	0.009180	0.001158	7.928016	0.0000

Log likelihood	139.2706	Mean dependent var.	-0.047427
No. of Coefficients	2	S.D. dependent var.	0.015295

Empirical Distribution Test for GPD15
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:56
Sample: 1 45
Included observations: 45

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.145973	0.150325	[0.01, 0.025)
Watson (U2)	0.121482	0.125104	[0.025, 0.05)
Anderson-Darling (A2)	1.037755	1.068695	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041408	0.001445	-28.65202	0.0000
S	0.009313	0.001186	7.850876	0.0000

Log likelihood	135.6758	Mean dependent var.	-0.047567
No. of Coefficients	2	S.D. dependent var.	0.015422

Empirical Distribution Test for GPD16
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:58
Sample: 1 46
Included observations: 46

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.133972	0.137922	[0.025, 0.05)
Watson (U2)	0.110156	0.113405	[0.05, 0.1)
Anderson-Darling (A2)	0.980265	1.009172	[0.01, 0.025)

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041459	0.001415	-29.30167	0.0000
S	0.009217	0.001158	7.960458	0.0000

Log likelihood	139.2408	Mean dependent var.	-0.047540
No. of Coefficients	2	S.D. dependent var.	0.015251

Empirical Distribution Test for GPD17
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 13:59
Sample: 1 47
Included observations: 47

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.127461	0.131179	[0.025, 0.05)
Watson (U2)	0.103936	0.106968	[0.05, 0.1)
Anderson-Darling (A2)	0.947289	0.974924	[0.01, 0.025)

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041494	0.001384	-29.97557	0.0000
S	0.009114	0.001130	8.065523	0.0000

Log likelihood	142.8488	Mean dependent var.	-0.047497
No. of Coefficients	2	S.D. dependent var.	0.015087

Empirical Distribution Test for GPD18
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:01
Sample: 1 47
Included observations: 47

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.136043	0.140011	[0.025, 0.05)
Watson (U2)	0.110190	0.113405	[0.05, 0.1)
Anderson-Darling (A2)	0.995581	1.024625	[0.01, 0.025)

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041377	0.001379	-30.01080	0.0000
S	0.009081	0.001130	8.036037	0.0000

Log likelihood	142.8765	Mean dependent var.	-0.047385
No. of Coefficients	2	S.D. dependent var.	0.015128

Empirical Distribution Test for GPD19
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:02
Sample: 1 47
Included observations: 47

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.151672	0.156096	[0.01, 0.025)
Watson (U2)	0.123448	0.127049	[0.025, 0.05)
Anderson-Darling (A2)	1.098015	1.130048	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041503	0.001360	-30.50622	0.0000
S	0.008965	0.001119	8.009969	0.0000

Log likelihood	143.3344	Mean dependent var.	-0.047462
No. of Coefficients	2	S.D. dependent var.	0.015061

HASIL ESTIMASI PARAMETER GPD (LANJUTAN)

Empirical Distribution Test for GPD20
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:03
Sample: 1 48
Included observations: 48

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.159279	0.163877	[0.01, 0.025)
Watson (U2)	0.128343	0.132048	[0.025, 0.05)
Anderson-Darling (A2)	1.138705	1.171577	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041413	0.001324	-31.26882	0.0000
S	0.008824	0.001092	8.081778	0.0000

Log likelihood	147.0350	Mean dependent var.	-0.047300
No. of Coefficients	2	S.D. dependent var.	0.014943

Empirical Distribution Test for GPD21
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:05
Sample: 1 49
Included observations: 49

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.172090	0.177007	< 0.01
Watson (U2)	0.138051	0.141995	[0.01, 0.025)
Anderson-Darling (A2)	1.210317	1.244897	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041296	0.001291	-31.99722	0.0000
S	0.008691	0.001067	8.147111	0.0000

Log likelihood	150.7071	Mean dependent var.	-0.047117
No. of Coefficients	2	S.D. dependent var.	0.014841

Empirical Distribution Test for GPD22
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:06
Sample: 1 48
Included observations: 48

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.206382	0.212340	< 0.01
Watson (U2)	0.165490	0.170268	< 0.01
Anderson-Darling (A2)	1.439662	1.481222	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041223	0.001282	-32.16701	0.0000
S	0.008552	0.001068	8.006755	0.0000

Log likelihood	148.0257	Mean dependent var.	-0.047019
No. of Coefficients	2	S.D. dependent var.	0.014916

Empirical Distribution Test for GPD23
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:07
Sample: 1 47
Included observations: 47

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.184272	0.189647	< 0.01
Watson (U2)	0.148944	0.153289	[0.01, 0.025)
Anderson-Darling (A2)	1.320436	1.358957	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 7 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041377	0.001325	-31.23548	0.0000
S	0.008741	0.001099	7.950920	0.0000

Log likelihood	144.1387	Mean dependent var.	-0.047259
No. of Coefficients	2	S.D. dependent var.	0.015027

Empirical Distribution Test for GPD24
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:08
Sample: 1 48
Included observations: 48

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.227869	0.234447	< 0.01
Watson (U2)	0.179806	0.184996	< 0.01
Anderson-Darling (A2)	1.620438	1.667216	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.041862	0.001445	-28.97843	0.0000
S	0.009653	0.001212	7.962883	0.0000

Log likelihood	141.8571	Mean dependent var.	-0.048476
No. of Coefficients	2	S.D. dependent var.	0.017091

Empirical Distribution Test for GPD25
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:11
Sample: 1 48
Included observations: 48

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.288011	0.296325	< 0.01
Watson (U2)	0.228994	0.235604	< 0.01
Anderson-Darling (A2)	2.032203	2.090868	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042336	0.001604	-26.38764	0.0000
S	0.010735	0.001362	7.884114	0.0000

Log likelihood	136.3106	Mean dependent var.	-0.049791
No. of Coefficients	2	S.D. dependent var.	0.019225

Empirical Distribution Test for GPD26
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:12
Sample: 1 49
Included observations: 49

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.308383	0.317194	< 0.01
Watson (U2)	0.244808	0.251803	< 0.01
Anderson-Darling (A2)	2.148622	2.210011	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042188	0.001563	-26.99468	0.0000
S	0.010570	0.001330	7.949238	0.0000

Log likelihood	139.7748	Mean dependent var.	-0.049557
No. of Coefficients	2	S.D. dependent var.	0.019094

Empirical Distribution Test for GPD27
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:13
Sample: 1 50
Included observations: 50

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.304349	0.312957	< 0.01
Watson (U2)	0.239091	0.245853	< 0.01
Anderson-Darling (A2)	2.133164	2.193499	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042187	0.001525	-27.65504	0.0000
S	0.010424	0.001297	8.038720	0.0000

Log likelihood	143.3070	Mean dependent var.	-0.049458
No. of Coefficients	2	S.D. dependent var.	0.018911

Empirical Distribution Test for GPD28
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:14
Sample: 1 51
Included observations: 51

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.308754	0.317401	< 0.01
Watson (U2)	0.240614	0.247352	< 0.01
Anderson-Darling (A2)	2.157421	2.217841	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042153	0.001488	-28.33616	0.0000
S	0.010269	0.001265	8.119940	0.0000

Log likelihood	146.8760	Mean dependent var.	-0.049328
No. of Coefficients	2	S.D. dependent var.	0.018744

Empirical Distribution Test for GPD29
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:15
Sample: 1 52
Included observations: 52

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.314601	0.323326	< 0.01
Watson (U2)	0.252271	0.259268	< 0.01
Anderson-Darling (A2)	2.144806	2.204292	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042435	0.001518	-27.95041	0.0000
S	0.010570	0.001287	8.214063	0.0000

Log likelihood	148.5715	Mean dependent var.	-0.049756
No. of Coefficients	2	S.D. dependent var.	0.018813

Empirical Distribution Test for GPD30
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:16
Sample: 1 53
Included observations: 53

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.307365	0.315809	< 0.01
Watson (U2)	0.251521	0.258431	< 0.01
Anderson-Darling (A2)	2.064618	2.121338	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042669	0.001531	-27.87552	0.0000
S	0.010747	0.001291	8.322495	0.0000

Log likelihood	150.8775	Mean dependent var.	-0.050045
No. of Coefficients	2	S.D. dependent var.	0.018750

Empirical Distribution Test for GPD31
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:17
Sample: 1 53
Included observations: 53

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.288710	0.296642	< 0.01
Watson (U2)	0.235507	0.241977	< 0.01
Anderson-Darling (A2)	1.977529	2.031856	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042736	0.001537	-27.80072	0.0000
S	0.010789	0.001294	8.338523	0.0000

Log likelihood	150.7731	Mean dependent var.	-0.050121
No. of Coefficients	2	S.D. dependent var.	0.018735

Empirical Distribution Test for GPD32
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:35
Sample: 1 53
Included observations: 53

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.276374	0.283967	< 0.01
Watson (U2)	0.223862	0.230012	< 0.01
Anderson-Darling (A2)	1.881841	1.933539	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042932	0.001530	-28.05375	0.0000
S	0.010740	0.001286	8.354726	0.0000

Log likelihood	151.0593	Mean dependent var.	-0.050273
No. of Coefficients	2	S.D. dependent var.	0.018646

Empirical Distribution Test for GPD33
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:37
Sample: 1 54
Included observations: 54

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.252526	0.259399	< 0.01
Watson (U2)	0.202571	0.208084	< 0.01
Anderson-Darling (A2)	1.763383	1.811377	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.043026	0.001509	-28.51569	0.0000
S	0.010685	0.001263	8.462694	0.0000

Log likelihood	154.3358	Mean dependent var.	-0.050301
No. of Coefficients	2	S.D. dependent var.	0.018471

Empirical Distribution Test for GPD34
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:38
Sample: 1 55
Included observations: 55

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.270113	0.277397	< 0.01
Watson (U2)	0.216296	0.222129	< 0.01
Anderson-Darling (A2)	1.865718	1.916032	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042887	0.001475	-29.08382	0.0000
S	0.010543	0.001237	8.523415	0.0000

Log likelihood	157.7935	Mean dependent var.	-0.050092
No. of Coefficients	2	S.D. dependent var.	0.018365

Empirical Distribution Test for GPD35
Hypothesis: Extreme Value Min
Date: 08/19/09 Time: 14:55
Sample: 1 56
Included observations: 56

Method	Value	Adj. Value	Probability
Cramer-von Mises (W2)	0.279809	0.287288	< 0.01
Watson (U2)	0.222658	0.228609	< 0.01
Anderson-Darling (A2)	1.916590	1.967813	< 0.01

Method: Maximum Likelihood (Marquardt)
Convergence achieved after 6 iterations
Covariance matrix computed using second derivatives

Parameter	Value	Std. Error	z-Statistic	Prob.
M	-0.042818	0.001441	-29.72241	0.0000
S	0.010397	0.001210	8.593251	0.0000

Log likelihood	161.3460	Mean dependent var.	-0.049941
No. of Coefficients	2	S.D. dependent var.	0.018232

Lampiran III
HASIL ESTIMASI PARAMETER GPD (LANJUTAN)