

LAMPIRAN

Lampiran 1 : Data Panel Penelitian

| Kota/Kabupaten | Tahun | JPM (Jiwa) | Rasio Gini | UMK (Rp) | IPM |
|-----------------------|--------------|-----------------------|-----------------------|---------------------|------------|
| Kabupaten Pacitan | 2010 | 105.400 | 0,29 | 630.000 | 61,14 |
| | 2011 | 98.747 | 0,34 | 705.000 | 62,03 |
| | 2012 | 94.459 | 0,31 | 750.000 | 62,94 |
| | 2013 | 91.719 | 0,33 | 887.250 | 63,38 |
| | 2014 | 88.940 | 0,31 | 1.000.000 | 63,81 |
| | 2015 | 92.080 | 0,33 | 1.150.000 | 64,92 |
| Kabupaten Ponorogo | 2010 | 113.000 | 0,25 | 635.000 | 64,13 |
| | 2011 | 105.867 | 0,29 | 705.000 | 65,28 |
| | 2012 | 101.420 | 0,31 | 745.000 | 66,16 |
| | 2013 | 103.010 | 0,34 | 924.000 | 67,03 |
| | 2014 | 99.860 | 0,31 | 1.000.000 | 67,40 |
| | 2015 | 105.600 | 0,36 | 1.150.000 | 68,16 |
| Kabupaten Madiun | 2010 | 102.300 | 0,25 | 660.000 | 64,87 |
| | 2011 | 95.840 | 0,29 | 720.000 | 65,98 |
| | 2012 | 91.780 | 0,34 | 775.000 | 67,32 |
| | 2013 | 83.700 | 0,3 | 960.750 | 68,07 |
| | 2014 | 81.200 | 0,28 | 1.045.000 | 68,60 |
| | 2015 | 84.740 | 0,32 | 1.201.750 | 69,39 |
| Kabupaten Magetan | 2010 | 80.200 | 0,27 | 650.000 | 67,58 |
| | 2011 | 75.040 | 0,31 | 705.000 | 68,52 |
| | 2012 | 71.820 | 0,33 | 750.000 | 69,56 |
| | 2013 | 76.330 | 0,34 | 866.250 | 69,86 |
| | 2014 | 73.970 | 0,32 | 1.000.000 | 70,29 |
| | 2015 | 71.160 | 0,34 | 1.150.000 | 71,39 |
| Kabupaten Ngawi | 2010 | 149.200 | 0,22 | 665.000 | 64,52 |
| | 2011 | 137.840 | 0,3 | 725.000 | 65,84 |
| | 2012 | 131.650 | 0,3 | 780.000 | 66,72 |
| | 2013 | 127.490 | 0,32 | 900.000 | 67,25 |
| | 2014 | 123.180 | 0,34 | 1.040.000 | 67,78 |
| | 2015 | 129.300 | 0,34 | 1.196.000 | 68,32 |
| Kota Madiun | 2010 | 10.421 | 0,32 | 685.000 | 75,98 |
| | 2011 | 9.744 | 0,33 | 745.000 | 76,48 |
| | 2012 | 9.298 | 0,35 | 812.500 | 77,21 |
| | 2013 | 8.740 | 0,43 | 953.000 | 78,41 |
| | 2014 | 8.480 | 0,34 | 1.066.000 | 78,81 |
| | 2015 | 8.550 | 0,38 | 1.250.000 | 79,48 |

Lampiran 2 : Model Regresi Data Panel

Random Effect Model

Dependent Variable: LOG(IPM?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 03/10/17 Time: 17:58
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36
 Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|------------------------|-------------|--------------------|-------------|----------|
| C | 4.036891 | 0.195903 | 20.60659 | 0.0000 |
| LOG(JPM?) | -0.066035 | 0.013500 | -4.891393 | 0.0000 |
| GINI? | 0.101271 | 0.028526 | 3.550187 | 0.0012 |
| LOG(UMK?) | 0.064961 | 0.005033 | 12.90813 | 0.0000 |
| Random Effects (Cross) | | | | |
| _PCTN--C | -0.054386 | | | |
| _PNRG--C | 0.003646 | | | |
| _MDN--C | 0.007344 | | | |
| _MGTN--C | 0.027597 | | | |
| _NGW--C | 0.023857 | | | |
| _KMDN--C | -0.008059 | | | |
| Effects Specification | | | | |
| | | | S.D. | Rho |
| Cross-section random | | | 0.042560 | 0.9907 |
| Idiosyncratic random | | | 0.004118 | 0.0093 |
| Weighted Statistics | | | | |
| R-squared | 0.963691 | Mean dependent var | | 0.166732 |
| Adjusted R-squared | 0.960287 | S.D. dependent var | | 0.019837 |
| S.E. of regression | 0.003953 | Sum squared resid | | 0.000500 |
| F-statistic | 283.1052 | Durbin-Watson stat | | 1.558065 |
| Prob(F-statistic) | 0.000000 | | | |
| Unweighted Statistics | | | | |
| R-squared | 0.834756 | Mean dependent var | | 4.223953 |
| Sum squared resid | 0.027066 | Durbin-Watson stat | | 0.028788 |

Fixed Effect Model

Dependent Variable: LOG(IPM?)
 Method: Pooled Least Squares
 Date: 03/10/17 Time: 17:58
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|---------------------------------------|-------------|-----------------------|-------------|-----------|
| C | 4.090531 | 0.265002 | 15.43585 | 0.0000 |
| LOG(JPM?) | -0.069851 | 0.018628 | -3.749875 | 0.0009 |
| GINI? | 0.100400 | 0.028773 | 3.489351 | 0.0017 |
| LOG(UMK?) | 0.064154 | 0.005671 | 11.31205 | 0.0000 |
| Fixed Effects (Cross) | | | | |
| _PCTN--C | -0.053088 | | | |
| _PNRG--C | 0.005401 | | | |
| _MDN--C | 0.008530 | | | |
| _MGTN--C | 0.028103 | | | |
| _NGW--C | 0.026570 | | | |
| _KMDN--C | -0.015516 | | | |
| Effects Specification | | | | |
| Cross-section fixed (dummy variables) | | | | |
| R-squared | 0.997204 | Mean dependent var | | 4.223953 |
| Adjusted R-squared | 0.996376 | S.D. dependent var | | 0.068410 |
| S.E. of regression | 0.004118 | Akaike info criterion | | -7.934453 |
| Sum squared resid | 0.000458 | Schwarz criterion | | -7.538573 |
| Log likelihood | 151.8202 | Hannan-Quinn criter. | | -7.796280 |
| F-statistic | 1203.844 | Durbin-Watson stat | | 1.691334 |
| Prob(F-statistic) | 0.000000 | | | |

Common Effect Model

Dependent Variable: LOG(IPM?)
 Method: Pooled Least Squares
 Date: 03/10/17 Time: 17:57
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|-----------|
| LOG(JPM?) | -0.060816 | 0.013653 | -4.454547 | 0.0001 |
| GINI? | -0.755802 | 0.369233 | -2.046953 | 0.0487 |
| LOG(UMK?) | 0.376060 | 0.017698 | 21.24866 | 0.0000 |
| R-squared | 0.251391 | Mean dependent var | | 4.223953 |
| Adjusted R-squared | 0.206021 | S.D. dependent var | | 0.068410 |
| S.E. of regression | 0.060957 | Akaike info criterion | | -2.677646 |
| Sum squared resid | 0.122619 | Schwarz criterion | | -2.545686 |
| Log likelihood | 51.19762 | Hannan-Quinn criter. | | -2.631588 |
| Durbin-Watson stat | 0.470138 | | | |

Lampiran 3 : Pemilihan Model

Uji Chow

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

| Effects Test | Statistic | d.f. | Prob. |
|--------------------------|------------|--------|--------|
| Cross-section F | 302.134009 | (5,27) | 0.0000 |
| Cross-section Chi-square | 145.518722 | 5 | 0.0000 |

Cross-section fixed effects test equation:

Dependent Variable: LOG(IPM?)

Method: Panel Least Squares

Date: 03/10/17 Time: 17:59

Sample: 2010 2015

Included observations: 6

Cross-sections included: 6

Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|-----------|
| C | 3.825790 | 0.351510 | 10.88388 | 0.0000 |
| LOG(JPM?) | -0.064349 | 0.006402 | -10.05126 | 0.0000 |
| GINI? | -0.036115 | 0.185133 | -0.195076 | 0.8466 |
| LOG(UMK?) | 0.082236 | 0.028240 | 2.912041 | 0.0065 |
| R-squared | 0.840784 | Mean dependent var | | 4.223953 |
| Adjusted R-squared | 0.825857 | S.D. dependent var | | 0.068410 |
| S.E. of regression | 0.028548 | Akaike info criterion | | -4.170044 |
| Sum squared resid | 0.026079 | Schwarz criterion | | -3.994097 |
| Log likelihood | 79.06079 | Hannan-Quinn criter. | | -4.108634 |
| F-statistic | 56.32821 | Durbin-Watson stat | | 0.056224 |
| Prob(F-statistic) | 0.000000 | | | |

Uji Hausman

Correlated Random Effects - Hausman Test

Pool: PANEL

Test cross-section random effects

| Test Summary | Chi-Sq. Statistic | Chi-Sq. d.f. | Prob. |
|----------------------|-------------------|--------------|--------|
| Cross-section random | 0.486623 | 3 | 0.9218 |

Cross-section random effects test comparisons:

| Variable | Fixed | Random | Var(Diff.) | Prob. |
|-----------|-----------|-----------|------------|--------|
| LOG(JPM?) | -0.069851 | -0.066035 | 0.000165 | 0.7662 |
| GINI? | 0.100400 | 0.101271 | 0.000014 | 0.8170 |
| LOG(UMK?) | 0.064154 | 0.064961 | 0.000007 | 0.7576 |

Cross-section random effects test equation:

Dependent Variable: LOG(IPM?)

Method: Panel Least Squares

Date: 03/10/17 Time: 17:58

Sample: 2010 2015

Included observations: 6

Cross-sections included: 6

Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|-----------|-------------|------------|-------------|--------|
| C | 4.090531 | 0.265002 | 15.43585 | 0.0000 |
| LOG(JPM?) | -0.069851 | 0.018628 | -3.749875 | 0.0009 |
| GINI? | 0.100400 | 0.028773 | 3.489351 | 0.0017 |
| LOG(UMK?) | 0.064154 | 0.005671 | 11.31205 | 0.0000 |

Effects Specification

Cross-section fixed (dummy variables)

| | | | |
|--------------------|----------|-----------------------|-----------|
| R-squared | 0.997204 | Mean dependent var | 4.223953 |
| Adjusted R-squared | 0.996376 | S.D. dependent var | 0.068410 |
| S.E. of regression | 0.004118 | Akaike info criterion | -7.934453 |
| Sum squared resid | 0.000458 | Schwarz criterion | -7.538573 |
| Log likelihood | 151.8202 | Hannan-Quinn criter. | -7.796280 |
| F-statistic | 1203.844 | Durbin-Watson stat | 1.691334 |
| Prob(F-statistic) | 0.000000 | | |

Uji LM

Lagrange multiplier (LM) test for panel data

Date: 03/14/17 Time: 03:03

Sample: 2010 2015

Total panel observations: 36

Probability in ()

| Null (no rand. effect) Alternative | Cross-section One-sided | Period One-sided | Both |
|---------------------------------------|----------------------------|-----------------------|----------------------|
| Breusch-Pagan | 85.29330 (0.0000) | 3.312317 (0.0688) | 88.60562 (0.0000) |
| Honda | 9.235437 (0.0000) | -1.819977 (0.9656) | 5.243522 (0.0000) |
| King-Wu | 9.235437 (0.0000) | -1.819977 (0.9656) | 5.243522 (0.0000) |
| GHM | -- -- | -- -- | 85.29330 (0.0000) |

Lampiran 4 : Uji Asumsi Klasik

Uji Heteroskedastisitas

Dependent Variable: RESID?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 03/10/17 Time: 18:10
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36
 Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|------------------------|-------------|--------------------|-------------|----------|
| C | 0.804745 | 7.821993 | 0.102882 | 0.9187 |
| LOG(JPM?) | 0.150058 | 0.532358 | 0.281874 | 0.7799 |
| GINI? | 1.091707 | 1.334925 | 0.817804 | 0.4195 |
| LOG(UMK?) | -0.115424 | 0.225579 | -0.511677 | 0.6124 |
| Random Effects (Cross) | | | | |
| _PCTN--C | 2.316853 | | | |
| _PNRG--C | -1.168821 | | | |
| _MDN--C | -1.058856 | | | |
| _MGTN--C | 0.450544 | | | |
| _NGW--C | -0.055999 | | | |
| _KMDN--C | -0.483722 | | | |
| Effects Specification | | | | |
| | | | S.D. | Rho |
| Cross-section random | | | 1.456322 | 0.9827 |
| Idiosyncratic random | | | 0.193283 | 0.0173 |
| Weighted Statistics | | | | |
| R-squared | 0.024422 | Mean dependent var | | 0.067045 |
| Adjusted R-squared | -0.067038 | S.D. dependent var | | 0.184382 |
| S.E. of regression | 0.190462 | Sum squared resid | | 1.160830 |
| F-statistic | 0.267023 | Durbin-Watson stat | | 2.392767 |
| Prob(F-statistic) | 0.848658 | | | |
| Unweighted Statistics | | | | |
| R-squared | 0.047551 | Mean dependent var | | 1.239209 |
| Sum squared resid | 51.07837 | Durbin-Watson stat | | 0.054379 |

Uji Multikolinieritas

Dependent Variable: LOG(JPM?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 03/10/17 Time: 18:02
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36
 Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|------------------------|-------------|------------|-------------|--------|
| C | 13.83692 | 0.548084 | 25.24596 | 0.0000 |
| GINI? | -0.462853 | 0.284541 | -1.626668 | 0.1133 |
| LOG(UMK?) | -0.189962 | 0.043318 | -4.385337 | 0.0001 |
| Random Effects (Cross) | | | | |
| _PCTN--C | 0.361201 | | | |
| _PNRG--C | 0.454725 | | | |
| _MDN--C | 0.300951 | | | |
| _MGTN--C | 0.121430 | | | |
| _NGW--C | 0.693892 | | | |
| _KMDN--C | -1.932201 | | | |

| Effects Specification | | S.D. | Rho |
|-----------------------|--|----------|--------|
| Cross-section random | | 0.236850 | 0.9698 |
| Idiosyncratic random | | 0.041781 | 0.0302 |

| Weighted Statistics | | | |
|---------------------|----------|--------------------|----------|
| R-squared | 0.314579 | Mean dependent var | 0.796926 |
| Adjusted R-squared | 0.273038 | S.D. dependent var | 0.090139 |
| S.E. of regression | 0.076855 | Sum squared resid | 0.194919 |
| F-statistic | 7.572785 | Durbin-Watson stat | 0.396380 |
| Prob(F-statistic) | 0.001965 | | |

| Unweighted Statistics | | | |
|-----------------------|----------|--------------------|----------|
| R-squared | 0.029709 | Mean dependent var | 11.09459 |
| Sum squared resid | 28.28452 | Durbin-Watson stat | 0.002732 |

Dependent Variable: GINI?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 03/10/17 Time: 18:02
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36
 Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|------------------------|-------------|--------------------|-------------|----------|
| C | -0.678158 | 0.311085 | -2.179975 | 0.0365 |
| LOG(UMK?) | 0.088349 | 0.021812 | 4.050401 | 0.0003 |
| LOG(JPM?) | -0.019056 | 0.005062 | -3.764506 | 0.0007 |
| Random Effects (Cross) | | | | |
| _PCTN—C | 0.000000 | | | |
| _PNRG—C | 0.000000 | | | |
| _MDN—C | 0.000000 | | | |
| _MGTN—C | 0.000000 | | | |
| _NGW—C | 0.000000 | | | |
| _KMDN—C | 0.000000 | | | |
| Effects Specification | | | | |
| | | | S.D. | Rho |
| Cross-section random | | | 0.000000 | 0.0000 |
| Idiosyncratic random | | | 0.027049 | 1.0000 |
| Weighted Statistics | | | | |
| R-squared | 0.523248 | Mean dependent var | | 0.317500 |
| Adjusted R-squared | 0.494354 | S.D. dependent var | | 0.037749 |
| S.E. of regression | 0.026843 | Sum squared resid | | 0.023778 |
| F-statistic | 18.10922 | Durbin-Watson stat | | 1.895155 |
| Prob(F-statistic) | 0.000005 | | | |
| Unweighted Statistics | | | | |
| R-squared | 0.523248 | Mean dependent var | | 0.317500 |
| Sum squared resid | 0.023778 | Durbin-Watson stat | | 1.895155 |

Dependent Variable: LOG(UMK?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 03/10/17 Time: 18:03
 Sample: 2010 2015
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36
 Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|------------------------|-------------|--------------------|-------------|----------|
| C | 11.89904 | 0.495937 | 23.99304 | 0.0000 |
| LOG(JPM?) | 0.050293 | 0.030008 | 1.675981 | 0.1032 |
| GINI? | 3.796975 | 0.725478 | 5.233759 | 0.0000 |
| Random Effects (Cross) | | | | |
| _PCTN--C | 0.000000 | | | |
| _PNRG--C | 0.000000 | | | |
| _MDN--C | 0.000000 | | | |
| _MGTN--C | 0.000000 | | | |
| _NGW--C | 0.000000 | | | |
| _KMDN--C | 0.000000 | | | |
| Effects Specification | | | | |
| | | | S.D. | Rho |
| Cross-section random | | | 0.000000 | 0.0000 |
| Idiosyncratic random | | | 0.137230 | 1.0000 |
| Weighted Statistics | | | | |
| R-squared | 0.349056 | Mean dependent var | | 13.66256 |
| Adjusted R-squared | 0.309605 | S.D. dependent var | | 0.211787 |
| S.E. of regression | 0.175974 | Sum squared resid | | 1.021908 |
| F-statistic | 8.847811 | Durbin-Watson stat | | 0.796443 |
| Prob(F-statistic) | 0.000838 | | | |
| Unweighted Statistics | | | | |
| R-squared | 0.349056 | Mean dependent var | | 13.66256 |
| Sum squared resid | 1.021908 | Durbin-Watson stat | | 0.796443 |