

LAMPIRAN

Lampiran 1: Data Panel Penelitian

| Kota | Tahun | Indeks Pembangunan Manusia | Upah Minimum Propinsi | Tingkat Pengangguran Terbuka | Jumlah Penduduk Miskin | Pertumbuhan Ekonomi |
|----------------------|-------|----------------------------|-----------------------|------------------------------|------------------------|---------------------|
| | | (%) | (Rp) | (%) | (Ribu jiwa) | (%) |
| Kabupaten Batang | 2010 | 61.64 | 745 000,00 | 6.48 | 103600 | 4.97 |
| | 2011 | 62.59 | 805 000,00 | 6.66 | 95300 | 6.11 |
| | 2012 | 63.09 | 880 000,00 | 5.88 | 88200 | 4.62 |
| | 2013 | 63.60 | 970 000,00 | 7.02 | 87500 | 5.87 |
| | 2014 | 64.07 | 1 146 000,00 | 7.42 | 82100 | 5.30 |
| | 2015 | 65.46 | 1 270 000,00 | 4.56 | 83500 | 5.42 |
| | 2016 | 66.38 | 1 467 500,00 | 5.19 | 82600 | 4.98 |
| | 2017 | 67.35 | 1 603 000,00 | 5.82 | 81500 | 5.28 |
| Kota Pekalongan | 2010 | 68.95 | 760 000,00 | 7 | 26400 | 6.11 |
| | 2011 | 69.54 | 810 000,00 | 8.06 | 28300 | 5.49 |
| | 2012 | 69.95 | 895 500,00 | 7.67 | 26800 | 5.60 |
| | 2013 | 70.82 | 860 000,00 | 5.28 | 24100 | 5.90 |
| | 2014 | 71.53 | 1 044 000,00 | 5.42 | 23600 | 5.48 |
| | 2015 | 72.69 | 1 291 000,00 | 4.10 | 24100 | 5.00 |
| | 2016 | 73.32 | 1 500 000,00 | 4.58 | 23600 | 5.36 |
| | 2017 | 73.77 | 1 623 750,00 | 5.05 | 22500 | 5.32 |
| Kabupaten Pekalongan | 2010 | 63.75 | 760 000,00 | 4.04 | 136600 | 4.26 |
| | 2011 | 64.72 | 810 000,00 | 6.91 | 125900 | 5.65 |
| | 2012 | 65.33 | 873 000,00 | 5.08 | 116500 | 4.80 |
| | 2013 | 66.26 | 962 000,00 | 4.78 | 116500 | 5.98 |
| | 2014 | 66.98 | 1 145 000,00 | 6.03 | 109300 | 4.94 |
| | 2015 | 67.40 | 1 271 000,00 | 5.10 | 112100 | 4.78 |
| | 2016 | 67.71 | 1 463 000,00 | 4.75 | 113300 | 5.16 |
| | 2017 | 68.40 | 1 583 697,50 | 4.39 | 111600 | 5.27 |
| Kabupaten Pemalang | 2010 | 58.64 | 675 000,00 | 11.45 | 251800 | 4.93 |
| | 2011 | 59.66 | 725 000,00 | 7.37 | 261200 | 5.01 |
| | 2012 | 60.78 | 793 000,00 | 4.85 | 241700 | 5.32 |
| | 2013 | 61.81 | 908 000,00 | 6.48 | 246800 | 5.57 |
| | 2014 | 62.35 | 1 066 000,00 | 7.44 | 237000 | 5.52 |
| | 2015 | 63.70 | 1 193 400,00 | 6.53 | 235500 | 5.58 |
| | 2016 | 64.17 | 1 325 000,00 | 6.06 | 227100 | 5.38 |
| | 2017 | 65.04 | 1 460 000,00 | 5.59 | 225000 | 5.39 |

| | | | | | | |
|-------------------------|-------------|--------------|-------------------|--------------|---------------|-------------|
| Kota Tegal | 2010 | 69.33 | 700000 | 14.22 | 25700 | 4.57 |
| | 2011 | 70.03 | 735000 | 9.77 | 25900 | 6.47 |
| | 2012 | 70.68 | 795000 | 8.75 | 24000 | 4.21 |
| | 2013 | 71.44 | 914275.68 | 9.32 | 21600 | 5.67 |
| | 2014 | 72.20 | 1066603.43 | 9.20 | 20900 | 5.04 |
| | 2015 | 72.96 | 1206000 | 8.06 | 20300 | 5.45 |
| | 2016 | 73.55 | 1385000 | 8.13 | 20300 | 5.44 |
| | 2017 | 73.95 | 1499500 | 8.19 | 20100 | 5.46 |
| Kabupaten Tegal | 2010 | 61.14 | 687 000,00 | 7.48 | 182500 | 4.62 |
| | 2011 | 61.97 | 725 000,00 | 10.59 | 161100 | 6.39 |
| | 2012 | 62.67 | 795 000,00 | 6.12 | 149000 | 5.23 |
| | 2013 | 63.50 | 850 000,00 | 6.89 | 149800 | 6.73 |
| | 2014 | 64.10 | 1 000 000,00 | 8.47 | 140300 | 5.03 |
| | 2015 | 65.04 | 1 155 000,00 | 9.52 | 143500 | 5.49 |
| | 2016 | 65.84 | 1 373 000,00 | 8.43 | 144200 | 5.92 |
| | 2017 | 66.44 | 1 487 000,00 | 7.33 | 141800 | 5.38 |
| Kabupaten Brebes | 2010 | 59.49 | 681 000,00 | 8.21 | 398700 | 4.94 |
| | 2011 | 60.51 | 717 000,00 | 11.08 | 394400 | 6.65 |
| | 2012 | 60.92 | 775 000,00 | 8.22 | 364900 | 4.58 |
| | 2013 | 61.87 | 859 000,00 | 9.61 | 367900 | 5.91 |
| | 2014 | 62.55 | 1 000 000,00 | 9.53 | 355100 | 5.30 |
| | 2015 | 63.18 | 1 166 550,00 | 6.49 | 352000 | 5.98 |
| | 2016 | 63.98 | 1 310 000,00 | 7.27 | 348000 | 5.08 |
| | 2017 | 64.86 | 1 418 100,00 | 8.04 | 343500 | 5.47 |

Lampiran 2 : Model Regresi Data Panel

Common Effect Model

Dependent Variable: IPM?

Method: Pooled Least Squares

Date: 05/14/19 Time: 14:55

Sample: 2010 2017

Included observations: 8

Cross-sections included: 7

Total pool (balanced) observations: 56

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|--------|
| C | 35.07859 | 9.901895 | 3.542614 | 0.0009 |
| LOG(UMK?) | 5.670404 | 0.651814 | 8.699418 | 0.0000 |
| TPT? | 0.103408 | 0.086583 | 1.194326 | 0.2379 |
| LOG(JPM?) | -3.551568 | 0.161277 | -22.02147 | 0.0000 |
| PE? | 0.118424 | 0.296782 | 0.399027 | 0.6915 |
| R-squared | 0.926277 | Mean dependent var | 65.95804 | |
| Adjusted R-squared | 0.920494 | S.D. dependent var | 4.198414 | |
| S.E. of regression | 1.183816 | Akaike info criterion | 3.260409 | |
| Sum squared resid | 71.47246 | Schwarz criterion | 3.441244 | |
| Log likelihood | -86.29145 | Hannan-Quinn criter. | 3.330518 | |
| F-statistic | 160.1937 | Durbin-Watson stat | 0.143366 | |
| Prob(F-statistic) | 0.000000 | | | |

Fixed Effect Model

Dependent Variable: IPM?
 Method: Pooled Least Squares
 Date: 05/14/19 Time: 14:56
 Sample: 2010 2017
 Included observations: 8
 Cross-sections included: 7
 Total pool (balanced) observations: 56

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|---------------|-------------|------------|-------------|--------|
| C | 13.97772 | 18.52503 | 0.754532 | 0.4545 |
| LOG(UMK?) | 5.751319 | 0.306545 | 18.76172 | 0.0000 |
| TPT? | -0.071171 | 0.036080 | -1.972568 | 0.0547 |
| LOG(JPM?) | -2.046637 | 1.086684 | -1.883378 | 0.0661 |
| PE? | 0.212068 | 0.087817 | 2.414895 | 0.0199 |
| Fixed Effects | | | | |
| (Cross) | | | | |
| KABUPATEN_BA | | | | |
| TANG—C | -2.249846 | | | |
| KOTA_PEKALON | | | | |
| GAN—C | 2.240752 | | | |
| KABUPATEN_PE | | | | |
| KALONGAN--C | 0.371127 | | | |
| KABUPATEN_PE | | | | |
| MALANG--C | -1.878413 | | | |
| KOTA_TEGAL--C | 3.082592 | | | |
| KABUPATEN_TE | | | | |
| GAL—C | -0.923418 | | | |
| KABUPATEN_BR | | | | |
| EBES—C | -0.642795 | | | |

Effects Specification

Cross-section fixed (dummy variables)

| | | | |
|--------------------|-----------|-----------------------|----------|
| R-squared | 0.994806 | Mean dependent var | 65.95804 |
| Adjusted R-squared | 0.993651 | S.D. dependent var | 4.198414 |
| S.E. of regression | 0.334520 | Akaike info criterion | 0.821927 |
| Sum squared resid | 5.035657 | Schwarz criterion | 1.219763 |
| Log likelihood | -12.01394 | Hannan-Quinn criter. | 0.976167 |
| F-statistic | 861.8425 | Durbin-Watson stat | 1.183537 |
| Prob(F-statistic) | 0.000000 | | |

Random Effect Model

Dependent Variable: IPM?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 05/14/19 Time: 14:57
 Sample: 2010 2017
 Included observations: 8
 Cross-sections included: 7
 Total pool (balanced) observations: 56
 Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|-----------------------------|-------------|------------|-------------|--------|
| C | 32.75243 | 9.801159 | 3.341690 | 0.0016 |
| LOG(UMK?) | 5.508328 | 0.227218 | 24.24245 | 0.0000 |
| TPT? | -0.065270 | 0.035816 | -1.822385 | 0.0743 |
| LOG(JPM?) | -3.164446 | 0.555547 | -5.696091 | 0.0000 |
| PE? | 0.201258 | 0.087373 | 2.303431 | 0.0254 |
| Random Effects (Cross) | | | | |
| KABUPATEN_BA TANG—C | -2.320543 | | | |
| KOTA_PEKALON GAN—C | 0.744925 | | | |
| KABUPATEN_PE KALONGAN--C | 0.614892 | | | |
| KABUPATEN_PE MALANG--C | -0.855595 | | | |
| KOTA_TEGAL--C | 1.421683 | | | |
| KABUPATEN_TE GAL—C | -0.429561 | | | |
| KABUPATEN_BR EBES—C | 0.824198 | | | |

Effects Specification

| | S.D. | Rho |
|----------------------|----------|--------|
| Cross-section random | 1.678911 | 0.9618 |
| Idiosyncratic random | 0.334520 | 0.0382 |

Weighted Statistics

| | | | |
|--------------------|----------|--------------------|----------|
| R-squared | 0.968212 | Mean dependent var | 4.634916 |
| Adjusted R-squared | 0.965719 | S.D. dependent var | 1.781829 |
| S.E. of regression | 0.329906 | Sum squared resid | 5.550752 |
| F-statistic | 388.3504 | Durbin-Watson stat | 1.082504 |
| Prob(F-statistic) | 0.000000 | | |

| Unweighted Statistics | | | |
|-----------------------|----------|--------------------|----------|
| R-squared | 0.911885 | Mean dependent var | 65.95804 |
| Sum squared resid | 85.42498 | Durbin-Watson stat | 0.070339 |

Lampiran 3 : Pemilihan Model

Uji Chow

Redundant Fixed Effects Tests

Pool: DATA_PANEL

Test cross-section fixed effects

| Effects Test | Statistic | d.f. | Prob. |
|--------------------------|------------|--------|--------|
| Cross-section F | 98.949556 | (6,45) | 0.0000 |
| Cross-section Chi-square | 148.555019 | 6 | 0.0000 |

Cross-section fixed effects test equation:

Dependent Variable: IPM?

Method: Panel Least Squares

Date: 05/14/19 Time: 14:56

Sample: 2010 2017

Included observations: 8

Cross-sections included: 7

Total pool (balanced) observations: 56

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|--------|
| C | 35.07859 | 9.901895 | 3.542614 | 0.0009 |
| LOG(UMK?) | 5.670404 | 0.651814 | 8.699418 | 0.0000 |
| TPT? | 0.103408 | 0.086583 | 1.194326 | 0.2379 |
| LOG(JPM?) | -3.551568 | 0.161277 | -22.02147 | 0.0000 |
| PE? | 0.118424 | 0.296782 | 0.399027 | 0.6915 |
| R-squared | 0.926277 | Mean dependent var | 65.95804 | |
| Adjusted R-squared | 0.920494 | S.D. dependent var | 4.198414 | |
| S.E. of regression | 1.183816 | Akaike info criterion | 3.260409 | |
| Sum squared resid | 71.47246 | Schwarz criterion | 3.441244 | |
| Log likelihood | -86.29145 | Hannan-Quinn criter. | 3.330518 | |
| F-statistic | 160.1937 | Durbin-Watson stat | 0.143366 | |
| Prob(F-statistic) | 0.000000 | | | |

Uji Hausman

Correlated Random Effects - Hausman Test

Pool: DATA_PANEL

Test cross-section random effects

| Test Summary | Chi-Sq. Statistic | Chi-Sq. d.f. | Prob. |
|----------------------|----------------------|--------------|--------|
| Cross-section random | 2.603032 | 4 | 0.6263 |

Cross-section random effects test comparisons:

| Variable | Fixed | Random | Var(Diff.) | Prob. |
|-----------|-----------|-----------|------------|--------|
| LOG(UMK?) | 5.751319 | 5.508328 | 0.042342 | 0.2377 |
| TPT? | -0.071171 | -0.065270 | 0.000019 | 0.1760 |
| LOG(JPM?) | -2.046637 | -3.164446 | 0.872250 | 0.2314 |
| PE? | 0.212068 | 0.201258 | 0.000078 | 0.2202 |

Cross-section random effects test equation:

Dependent Variable: IPM?

Method: Panel Least Squares

Date: 05/14/19 Time: 14:58

Sample: 2010 2017

Included observations: 8

Cross-sections included: 7

Total pool (balanced) observations: 56

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|-----------|-------------|------------|-------------|--------|
| C | 13.97772 | 18.52503 | 0.754532 | 0.4545 |
| LOG(UMK?) | 5.751319 | 0.306545 | 18.76172 | 0.0000 |
| TPT? | -0.071171 | 0.036080 | -1.972568 | 0.0547 |
| LOG(JPM?) | -2.046637 | 1.086684 | -1.883378 | 0.0661 |
| PE? | 0.212068 | 0.087817 | 2.414895 | 0.0199 |

Effects Specification

Cross-section fixed (dummy variables)

| | | | |
|--------------------|----------|-----------------------|----------|
| R-squared | 0.994806 | Mean dependent var | 65.95804 |
| Adjusted R-squared | 0.993651 | S.D. dependent var | 4.198414 |
| S.E. of regression | 0.334520 | Akaike info criterion | 0.821927 |
| Sum squared resid | 5.035657 | Schwarz criterion | 1.219763 |

| | | | |
|-------------------|-----------|----------------------|----------|
| Log likelihood | -12.01394 | Hannan-Quinn criter. | 0.976167 |
| F-statistic | 861.8425 | Durbin-Watson stat | 1.183537 |
| Prob(F-statistic) | 0.000000 | | |

Uji Lagrange Multiplier (LM)

Lagrange multiplier (LM) test for panel data

Date: 03/22/19 Time: 14:03

Sample: 2010 2017

Total panel observations: 56

Probability in ()

| Null (no rand. effect) Alternative | Cross-section One-sided | Period One-sided | Both |
|--|----------------------------|-----------------------|----------------------|
| Breusch-Pagan | 149.6972 (0.0000) | 3.123086 (0.0772) | 152.8202 (0.0000) |
| Honda | 12.23508 (0.0000) | -1.767226 (0.9614) | 7.401890 (0.0000) |
| King-Wu | 12.23508 (0.0000) | -1.767226 (0.9614) | 7.777500 (0.0000) |
| GHM | -- -- | -- -- | 149.6972 (0.0000) |

Lampiran 4 : Uji Asumsi klasik

Uji Multikolinieritas

| | IPM | LOG_UMK | TPT | LOG_JPM | PE |
|---------|-----------|-----------|-----------|-----------|-----------|
| IPM | 1.000000 | 0.464237 | -0.132734 | -0.777202 | -0.001254 |
| LOG_UMK | 0.464237 | 1.000000 | -0.412292 | -0.172681 | -0.037369 |
| TPT | -0.132734 | -0.412292 | 1.000000 | 0.190663 | 0.144255 |
| LOG_JPM | -0.777202 | -0.172681 | 0.190663 | 1.000000 | 0.053088 |
| PE | -0.001254 | -0.037369 | 0.144255 | 0.053088 | 1.000000 |

Uji Heteroskedastisitas (Uji Park)

Dependent Variable: RESABS

Method: Panel EGLS (Cross-section random effects)

Date: 02/27/19 Time: 14:19

Sample: 2010 2017

Periods included: 8

Cross-sections included: 7

Total panel (balanced) observations: 56

Swamy and Arora estimator of component variances

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|----------|-------------|------------|-------------|--------|
| C | 2.159585 | 0.709762 | 3.042688 | 0.0037 |
| LOG_UMK | -1.34E-07 | 1.84E-07 | -0.730171 | 0.4686 |
| TPT | 0.033057 | 0.034832 | 0.949022 | 0.3471 |
| LOG_JPM | 0.001957 | 0.001987 | 0.984668 | 0.3294 |
| PE | -0.091553 | 0.087048 | -1.051755 | 0.2979 |

| Effects Specification | | S.D. | Rho |
|-----------------------|--|----------|--------|
| Cross-section random | | 0.626739 | 0.7784 |
| Idiosyncratic random | | 0.334431 | 0.2216 |

| Weighted Statistics | | | |
|-----------------------|----------|--------------------|----------|
| R-squared | 0.080221 | Mean dependent var | 0.379225 |
| Adjusted R-squared | 0.008081 | S.D. dependent var | 0.378933 |
| S.E. of regression | 0.377399 | Sum squared resid | 7.263939 |
| F-statistic | 1.112024 | Durbin-Watson stat | 1.014548 |
| Prob(F-statistic) | 0.361084 | | |
| Unweighted Statistics | | | |
| R-squared | 0.042399 | Mean dependent var | 2.045579 |
| Sum squared resid | 66.93095 | Durbin-Watson stat | 0.278801 |