

LAMPIRAN

Lampiran 1

| KOTA | TAHUN | JML TENAGA KERJA (Jiwa) | PDRB Sektor Industri (Juta Rupiah) | UMK (Rupiah) | Jumlah Penduduk (Jiwa) | Jumlah Unit Usaha |
|-----------------------|--------------|--|---|-------------------------|---------------------------------------|----------------------------------|
| PURWOREJO | 2012 | 39085 | 1585212,08 | 809000 | 708483 | 17943 |
| | 2013 | 39102 | 1694226,41 | 849000 | 705483 | 18077 |
| | 2014 | 42020 | 1823343,43 | 910000 | 708038 | 18481 |
| | 2015 | 42021 | 1916696,22 | 1165000 | 710386 | 18878 |
| | 2016 | 40596 | 2009175,02 | 1300000 | 712696 | 19031 |
| | 2017 | 41274 | 2107835,72 | 1445000 | 714574 | 21134 |
| WONOSOBO | 2012 | 32493 | 1621383,18 | 825000 | 771447 | 11843 |
| | 2013 | 33467 | 1712642,25 | 880000 | 769318 | 12507 |
| | 2014 | 25097 | 1783409,98 | 990000 | 773280 | 12970 |
| | 2015 | 25884 | 1869373,3 | 1166000 | 777122 | 13032 |
| | 2016 | 26725 | 1902074,4 | 1326000 | 780793 | 13959 |
| | 2017 | 25982 | 2022990,6 | 1457100 | 784207 | 14328 |
| TEMANGGUNG | 2012 | 77684 | 2646109,38 | 866000 | 730720 | 15721 |
| | 2013 | 79517 | 2816645,1 | 940000 | 731911 | 15835 |
| | 2014 | 83611 | 3042972,31 | 1050000 | 738915 | 15857 |
| | 2015 | 86921 | 3213430 | 1178000 | 745831 | 16072 |
| | 2016 | 87839 | 3390420,01 | 1313000 | 752486 | 16131 |
| | 2017 | 78907 | 3562770,00 | 1431500 | 759128 | 16531 |
| KEBUMEN | 2012 | 108717 | 2331506,8 | 770000 | 1181678 | 51552 |
| | 2013 | 109990 | 2608645,58 | 835000 | 1176722 | 52780 |
| | 2014 | 124083 | 2859863,66 | 975000 | 1181006 | 54864 |
| | 2015 | 124972 | 3000407,14 | 1157000 | 1184882 | 54899 |
| | 2016 | 126708 | 3283137,85 | 1324000 | 1188603 | 56378 |
| | 2017 | 126821 | 3465406,30 | 1433900 | 1192007 | 56402 |
| MAGELANG KABUPATEN | 2012 | 90436 | 3190670,17 | 837000 | 1219371 | 38497 |
| | 2013 | 91649 | 3539294 | 942000 | 1221681 | 38510 |
| | 2014 | 92225 | 3802680 | 1152000 | 1233695 | 38540 |
| | 2015 | 96192 | 4012571 | 1178000 | 1245496 | 39671 |
| | 2016 | 97551 | 4244932 | 1410000 | 1257122 | 39712 |
| | 2017 | 98421 | 4437345 | 1570000 | 1268396 | 39967 |
| MAGELANG KOTA | 2012 | 3555 | 660616 | 837000 | 120447 | 522 |
| | 2013 | 3725 | 706153 | 901500 | 119935 | 549 |

| | | | | | | |
|--|------|------|--------|---------|--------|-----|
| | 2014 | 3362 | 753426 | 1037000 | 120373 | 577 |
| | 2015 | 3436 | 793618 | 1211000 | 120792 | 588 |
| | 2016 | 4204 | 826944 | 1341000 | 121112 | 579 |
| | 2017 | 4751 | 861772 | 1453000 | 121474 | 620 |

Sumber: Badan Pusat Statistika Provinsi Jawa Tenga, diolah

Lampiran II:
Common Effect Model (CEM)

Dependent Variable: TENAGA_KERJA?
 Method: Pooled Least Squares
 Date: 01/07/19 Time: 12:52
 Sample: 2012 2017
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|----------|
| C | 19551.95 | 8826.584 | 2.215121 | 0.0342 |
| PDRB? | 0.028326 | 0.003480 | 8.140299 | 0.0000 |
| UMK? | -0.022862 | 0.007433 | -3.075732 | 0.0044 |
| PENDUDUK? | -0.049253 | 0.013433 | -3.666671 | 0.0009 |
| JUMLAH_UNIT? | 1.633466 | 0.182623 | 8.944478 | 0.0000 |
| R-squared | 0.950899 | Mean dependent var | | 62122.86 |
| Adjusted R-squared | 0.944563 | S.D. dependent var | | 40743.71 |
| S.E. of regression | 9593.137 | Akaike info criterion | | 21.30373 |
| Sum squared resid | 2.85E+09 | Schwarz criterion | | 21.52366 |
| Log likelihood | -378.4671 | Hannan-Quinn criter. | | 21.38049 |
| F-statistic | 150.0867 | Durbin-Watson stat | | 0.510250 |
| Prob(F-statistic) | 0.000000 | | | |

Lampiran III:
Fixed Effect Model (FEM)

Dependent Variable: TENAGA_KERJA?
 Method: Pooled Least Squares
 Date: 01/07/19 Time: 12:52
 Sample: 2012 2017
 Included observations: 6
 Cross-sections included: 6
 Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|-----------------------|-------------|------------|-------------|--------|
| C | 160.4435 | 8961.783 | 0.017903 | 0.9859 |
| PDRB? | 0.009164 | 0.002867 | 3.196156 | 0.0036 |
| UMK? | -0.006431 | 0.003126 | -2.057106 | 0.0498 |
| PENDUDUK? | 0.019596 | 0.008794 | 2.228437 | 0.0347 |
| JUMLAH_UNIT? | 1.342946 | 0.516042 | 2.602396 | 0.0151 |
| Fixed Effects (Cross) | | | | |
| PURWOREJO--C | -8179.762 | | | |
| WONOSOBO--C | -12010.04 | | | |
| TEMANGGUNG--C | 24650.18 | | | |
| KEBUMEN--C | 4145.685 | | | |
| MAGELANG--C | -10829.97 | | | |
| KOTA--C | 2223.903 | | | |

Effects Specification

Cross-section fixed (dummy variables)

| | | | |
|--------------------|-----------|-----------------------|----------|
| R-squared | 0.997335 | Mean dependent var | 62122.86 |
| Adjusted R-squared | 0.996413 | S.D. dependent var | 40743.71 |
| S.E. of regression | 2440.309 | Akaike info criterion | 18.66777 |
| Sum squared resid | 1.55E+08 | Schwarz criterion | 19.10764 |
| Log likelihood | -326.0199 | Hannan-Quinn criter. | 18.82130 |
| F-statistic | 1081.180 | Durbin-Watson stat | 2.039966 |
| Prob(F-statistic) | 0.000000 | | |

Lampiran IV:

Random Effect Model (REM)

Dependent Variable: TENAGA_KERJA?
 Method: Pooled EGLS (Cross-section random effects)
 Date: 01/07/19 Time: 12:54
 Sample: 2012 2017
 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 | 1404.366 | 6668.131 | 0.210609 | 0.8346 |
| PDRB? | 0.010290 | 0.002551 | 4.033945 | 0.0003 |
| UMK? | -0.007126 | 0.002851 | -2.499015 | 0.0180 |
| PENDUDUK? | 0.017686 | 0.008274 | 2.137628 | 0.0405 |
| JUMLAH_UNIT? | 1.271696 | 0.283714 | 4.482312 | 0.0001 |
| Random Effects (Cross) | | | | |
| PURWOREJO--C | -7931.723 | | | |
| WONOSOBO--C | -12073.14 | | | |
| TEMANGGUNG--C | 23070.18 | | | |
| KEBUMEN--C | 6156.780 | | | |
| MAGELANG--C | -10420.90 | | | |
| KOTA--C | 1198.805 | | | |
| Effects Specification | | | | |
| | | | S.D. | Rho |
| Cross-section random | | | 10212.80 | 0.9460 |
| Idiosyncratic random | | | 2440.309 | 0.0540 |
| Weighted Statistics | | | | |
| R-squared | 0.822605 | Mean dependent var | | 6031.414 |
| Adjusted R-squared | 0.799715 | S.D. dependent var | | 5778.759 |
| S.E. of regression | 2586.181 | Sum squared resid | | 2.07E+08 |
| F-statistic | 35.93773 | Durbin-Watson stat | | 1.515940 |
| Prob(F-statistic) | 0.000000 | | | |
| Unweighted Statistics | | | | |
| R-squared | 0.903770 | Mean dependent var | | 62122.86 |
| Sum squared resid | 5.59E+09 | Durbin-Watson stat | | 0.056216 |

Lampiran V:

Chow Test

Redundant Fixed Effects Tests

Pool: OLAHDATA

Test cross-section fixed effects

| Effects Test | Statistic | d.f. | Prob. |
|--------------------------|------------|--------|--------|
| Cross-section F | 90.612739 | (5,26) | 0.0000 |
| Cross-section Chi-square | 104.894533 | 5 | 0.0000 |

Cross-section fixed effects test equation:

Dependent Variable: TENAGA_KERJA?

Method: Panel Least Squares

Date: 01/07/19 Time: 12:53

Sample: 2012 2017

Included observations: 6

Cross-sections included: 6

Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|----------|
| C | 19551.95 | 8826.584 | 2.215121 | 0.0342 |
| PDRB? | 0.028326 | 0.003480 | 8.140299 | 0.0000 |
| UMK? | -0.022862 | 0.007433 | -3.075732 | 0.0044 |
| PENDUDUK? | -0.049253 | 0.013433 | -3.666671 | 0.0009 |
| JUMLAH_UNIT? | 1.633466 | 0.182623 | 8.944478 | 0.0000 |
| R-squared | 0.950899 | Mean dependent var | | 62122.86 |
| Adjusted R-squared | 0.944563 | S.D. dependent var | | 40743.71 |
| S.E. of regression | 9593.137 | Akaike info criterion | | 21.30373 |
| Sum squared resid | 2.85E+09 | Schwarz criterion | | 21.52366 |
| Log likelihood | -378.4671 | Hannan-Quinn criter. | | 21.38049 |
| F-statistic | 150.0867 | Durbin-Watson stat | | 0.510250 |
| Prob(F-statistic) | 0.000000 | | | |

Lampiran VIII:

Hausman Test

Correlated Random Effects - Hausman Test

Pool: OLAHDATA

Test cross-section random effects

| Test Summary | Chi-Sq. Statistic | Chi-Sq. d.f. | Prob. |
|----------------------|-------------------|--------------|--------|
| Cross-section random | 7.816861 | 4 | 0.0985 |

Cross-section random effects test comparisons:

| Variable | Fixed | Random | Var(Diff.) | Prob. |
|--------------|-----------|-----------|------------|--------|
| PDRB? | 0.009164 | 0.010290 | 0.000002 | 0.3899 |
| UMK? | -0.006431 | -0.007126 | 0.000002 | 0.5875 |
| PENDUDUK? | 0.019596 | 0.017686 | 0.000009 | 0.5214 |
| JUMLAH_UNIT? | 1.342946 | 1.271696 | 0.185806 | 0.8687 |

Cross-section random effects test equation:

Dependent Variable: TENAGA_KERJA?

Method: Panel Least Squares

Date: 01/07/19 Time: 12:54

Sample: 2012 2017

Included observations: 6

Cross-sections included: 6

Total pool (balanced) observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------|-------------|------------|-------------|--------|
| C | 160.4435 | 8961.783 | 0.017903 | 0.9859 |
| PDRB? | 0.009164 | 0.002867 | 3.196156 | 0.0036 |
| UMK? | -0.006431 | 0.003126 | -2.057106 | 0.0498 |
| PENDUDUK? | 0.019596 | 0.008794 | 2.228437 | 0.0347 |
| JUMLAH_UNIT? | 1.342946 | 0.516042 | 2.602396 | 0.0151 |

Effects Specification

Cross-section fixed (dummy variables)

| | | | |
|--------------------|-----------|-----------------------|----------|
| R-squared | 0.997335 | Mean dependent var | 62122.86 |
| Adjusted R-squared | 0.996413 | S.D. dependent var | 40743.71 |
| S.E. of regression | 2440.309 | Akaike info criterion | 18.66777 |
| Sum squared resid | 1.55E+08 | Schwarz criterion | 19.10764 |
| Log likelihood | -326.0199 | Hannan-Quinn criter. | 18.82130 |
| F-statistic | 1081.180 | Durbin-Watson stat | 2.039966 |
| Prob(F-statistic) | 0.000000 | | |

Lampiran VI:
Heteroskedastisitas

Heteroskedasticity Test: Glejser

| | | | |
|---------------------|----------|---------------------|--------|
| F-statistic | 1.829193 | Prob. F(4,31) | 0.1483 |
| Obs*R-squared | 6.874372 | Prob. Chi-Square(4) | 0.1427 |
| Scaled explained SS | 5.229954 | Prob. Chi-Square(4) | 0.2645 |

Test Equation:

Dependent Variable: ARESID

Method: Least Squares

Date: 01/07/19 Time: 12:45

Sample: 1 36

Included observations: 36

| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|--------------------|-------------|-----------------------|-------------|----------|
| C | 1011.510 | 2630.852 | 0.384480 | 0.7032 |
| PDRB | -0.000681 | 0.001037 | -0.656628 | 0.5163 |
| UMK | 0.001243 | 0.002216 | 0.561176 | 0.5787 |
| PENDUDUK | 0.003233 | 0.004004 | 0.807456 | 0.4256 |
| JUMLAH_UNIT | 0.041156 | 0.054433 | 0.756088 | 0.4553 |
| R-squared | 0.190955 | Mean dependent var | | 4289.873 |
| Adjusted R-squared | 0.086562 | S.D. dependent var | | 2991.747 |
| S.E. of regression | 2859.331 | Akaike info criterion | | 18.88281 |
| Sum squared resid | 2.53E+08 | Schwarz criterion | | 19.10274 |
| Log likelihood | -334.8906 | Hannan-Quinn criter. | | 18.95957 |
| F-statistic | 1.829193 | Durbin-Watson stat | | 1.504142 |
| Prob(F-statistic) | 0.148338 | | | |

Lampiran VII :
Multikolinearitas

Variance Inflation Factors
Date: 01/07/19 Time: 12:46
Sample: 1 36
Included observations: 36

| Variable | Coefficient Variance | Uncentered VIF | Centered VIF |
|-------------|-------------------------|-------------------|-----------------|
| C | 77908583 | 30.47660 | NA |
| PDRB | 1.21E-05 | 33.65826 | 5.715003 |
| UMK | 5.53E-05 | 29.72342 | 1.229400 |
| PENDUDUK | 0.000180 | 52.49955 | 9.189865 |
| JUMLAH_UNIT | 0.033351 | 11.44978 | 4.163641 |