

# LAMPIRAN

## Lampiran 1

### Data Variabel Penelitian

| Kab/Kota | Tahun | IPM (Y)<br>(%) | PE (X1)<br>(%) | UMK(X2)<br>(Juta) | PK (X3)<br>(Milyar) | PP (X4)<br>(Milyar) |
|----------|-------|----------------|----------------|-------------------|---------------------|---------------------|
| Karimun  | 2010  | 66.4           | 6.56           | 935,000           | 35,224              | 3,639               |
|          | 2011  | 66.82          | 7.04           | 989,000           | 34,649              | 13,380              |
|          | 2012  | 67.67          | 7.24           | 1,057,000         | 54,597              | 12,033              |
|          | 2013  | 68.52          | 7.09           | 1,380,000         | 45,989              | 10,890              |
|          | 2014  | 68.72          | 6.87           | 1,889,796         | 78,749              | 6,415               |
|          | 2015  | 69.21          | 6.54           | 2,100,000         | 42,068              | 10,190              |
|          | 2016  | 69.84          | 6.18           | 2,418,254         | 89,792              | 10,496              |
|          | 2017  | 70.26          | 6.57           | 2,617,600         | 83,394              | 11,802              |
| Bintan   | 2010  | 69.87          | 5.56           | 943,000           | 40,369              | 3,803               |
|          | 2011  | 70.47          | 6.86           | 975,000           | 65,587              | 10,337              |
|          | 2012  | 71.01          | 6.58           | 1,225,000         | 81,128              | 6,644               |
|          | 2013  | 71.31          | 6.08           | 1,900,000         | 94,054              | 5,789               |
|          | 2014  | 71.65          | 6.35           | 2,283,000         | 144,935             | 5,070               |
|          | 2015  | 71.92          | 5.16           | 2,300,000         | 94,686              | 6,724               |
|          | 2016  | 72.38          | 5.96           | 2,645,017         | 89,185              | 5,523               |
|          | 2017  | 72.91          | 5.57           | 2,863,231         | 125,845             | 7,322               |
| Natuna   | 2010  | 66.29          | 2.1            | 845,000           | 93,126              | 5,590               |
|          | 2011  | 67.76          | 2.58           | 890,000           | 76,313              | 8,682               |
|          | 2012  | 68.8           | 7.83           | 1,115,000         | 85,977              | 4,892               |
|          | 2013  | 69.39          | 4.6            | 1,370,000         | 85,839              | 6,100               |
|          | 2014  | 70.06          | 4.42           | 1,700,000         | 68,404              | 1,900               |
|          | 2015  | 70.87          | 3.9            | 2,020,000         | 57,252              | 2,444               |
|          | 2016  | 71.23          | 3.01           | 2,252,300         | 164,762             | 1,448               |
|          | 2017  | 71.52          | 2.1            | 2,438,115         | 112,893             | 4,452               |
| Lingga   | 2010  | 57.36          | 6.6            | 925,000           | 47,297              | 3,654               |
|          | 2011  | 58.51          | 6.65           | 978,000           | 65,491              | 8,616               |
|          | 2012  | 59.32          | 6.58           | 1,067,300         | 68,107              | 5,492               |
|          | 2013  | 60.13          | 6.88           | 1,365,000         | 73,493              | 4,700               |
|          | 2014  | 60.75          | 5.16           | 1,720,000         | 98,453              | 23,300              |
|          | 2015  | 61.28          | 2.38           | 1,970,000         | 67,832              | 19,765              |
|          | 2016  | 62.44          | 4.07           | 2,201,010         | 46,751              | 23,303              |
|          | 2017  | 63.45          | 6.6            | 2,382,953         | 71,544              | 26,840              |

|                     |      |       |      |           |         |        |
|---------------------|------|-------|------|-----------|---------|--------|
| Kepulauan Anambas   | 2010 | 63.03 | 2.27 | 989,000   | 30,530  | 2,891  |
|                     | 2011 | 63.71 | 1.82 | 1,147,800 | 72,386  | 2,750  |
|                     | 2012 | 64.32 | 3.89 | 1,400,000 | 114,544 | 3,674  |
|                     | 2013 | 64.86 | 3.18 | 1,470,000 | 107,471 | 2,700  |
|                     | 2014 | 65.12 | 3.7  | 1,765,000 | 112,478 | 500    |
|                     | 2015 | 65.86 | 3.03 | 2,118,000 | 119,370 | 1,053  |
|                     | 2016 | 66.3  | 2.91 | 2,425,110 | 119,725 | 2,570  |
|                     | 2017 | 67.06 | 2.28 | 2,697,934 | 137,988 | 4,230  |
| Kota Batam          | 2010 | 76.98 | 7.77 | 1,110,000 | 12,286  | 16,601 |
|                     | 2011 | 77.82 | 7.83 | 1,180,000 | 124,156 | 29,373 |
|                     | 2012 | 78.39 | 7.4  | 1,402,000 | 63,778  | 19,988 |
|                     | 2013 | 78.65 | 7.18 | 2,040,000 | 134,133 | 22,575 |
|                     | 2014 | 79.13 | 7.16 | 2,422,092 | 159,879 | 24,601 |
|                     | 2015 | 79.34 | 6.83 | 2,685,000 | 20,595  | 25,388 |
|                     | 2016 | 79.79 | 5.45 | 2,994,111 | 199,921 | 23,308 |
|                     | 2017 | 80.26 | 7.7  | 3,241,125 | 246,099 | 25,514 |
| Kota Tanjung Pinang | 2010 | 73.76 | 7.08 | 920,000   | 45,731  | 8,914  |
|                     | 2011 | 74.8  | 7.03 | 975,000   | 65,805  | 13,944 |
|                     | 2012 | 75.91 | 7.11 | 1,015,000 | 83,370  | 29,931 |
|                     | 2013 | 76.7  | 7.78 | 1,105,000 | 110,490 | 9,240  |
|                     | 2014 | 77.29 | 5.28 | 1,665,500 | 137,845 | 16,570 |
|                     | 2015 | 77.57 | 5.69 | 1,950,000 | 82,990  | 18,902 |
|                     | 2016 | 77.77 | 5.08 | 2,179,825 | 105,400 | 19,963 |
|                     | 2017 | 78    | 7.08 | 2,359,661 | 108,987 | 21,024 |

## Lampiran 2

### Data Variabel Penelitian

| Kab/Kota          | Tahun | IPM(%) | PE (%) | UMK (Log) | PK (Log) | PP (Log) |
|-------------------|-------|--------|--------|-----------|----------|----------|
| Karimun           | 2010  | 66.400 | 6.560  | 5.971     | 4.547    | 3.561    |
|                   | 2011  | 66.820 | 7.040  | 5.995     | 4.540    | 4.126    |
|                   | 2012  | 67.670 | 7.240  | 6.024     | 4.737    | 4.080    |
|                   | 2013  | 68.520 | 7.090  | 6.140     | 4.663    | 4.037    |
|                   | 2014  | 68.720 | 6.870  | 6.276     | 4.896    | 3.807    |
|                   | 2015  | 69.210 | 6.540  | 6.322     | 4.624    | 4.008    |
|                   | 2016  | 69.840 | 6.180  | 6.384     | 4.953    | 4.021    |
|                   | 2017  | 70.260 | 6.570  | 6.418     | 4.921    | 4.072    |
| Bintan            | 2010  | 69.870 | 5.560  | 5.975     | 4.606    | 3.580    |
|                   | 2011  | 70.470 | 6.860  | 5.989     | 4.817    | 4.014    |
|                   | 2012  | 71.010 | 6.580  | 6.088     | 4.909    | 3.822    |
|                   | 2013  | 71.310 | 6.080  | 6.279     | 4.973    | 3.763    |
|                   | 2014  | 71.650 | 6.350  | 6.359     | 5.161    | 3.705    |
|                   | 2015  | 71.920 | 5.160  | 6.362     | 4.976    | 3.828    |
|                   | 2016  | 72.380 | 5.960  | 6.422     | 4.950    | 3.742    |
|                   | 2017  | 72.910 | 5.570  | 6.457     | 5.100    | 3.865    |
| Natuna            | 2010  | 66.290 | 2.100  | 5.927     | 4.969    | 3.747    |
|                   | 2011  | 67.760 | 2.580  | 5.949     | 4.883    | 3.939    |
|                   | 2012  | 68.800 | 7.830  | 6.047     | 4.934    | 3.689    |
|                   | 2013  | 69.390 | 4.600  | 6.137     | 4.934    | 3.785    |
|                   | 2014  | 70.060 | 4.420  | 6.230     | 4.835    | 3.279    |
|                   | 2015  | 70.870 | 3.900  | 6.305     | 4.758    | 3.388    |
|                   | 2016  | 71.230 | 3.010  | 6.353     | 5.217    | 3.161    |
|                   | 2017  | 71.520 | 2.100  | 6.387     | 5.053    | 3.649    |
| Lingga            | 2010  | 57.360 | 6.600  | 5.966     | 4.675    | 3.563    |
|                   | 2011  | 58.510 | 6.650  | 5.990     | 4.816    | 3.935    |
|                   | 2012  | 59.320 | 6.580  | 6.028     | 4.833    | 3.740    |
|                   | 2013  | 60.130 | 6.880  | 6.135     | 4.866    | 3.672    |
|                   | 2014  | 60.750 | 5.160  | 6.236     | 4.993    | 4.367    |
|                   | 2015  | 61.280 | 2.380  | 6.294     | 4.831    | 4.296    |
|                   | 2016  | 62.440 | 4.070  | 6.343     | 4.670    | 4.367    |
|                   | 2017  | 63.450 | 6.600  | 6.377     | 4.855    | 4.429    |
| Kepulauan Anambas | 2010  | 63.030 | 2.270  | 5.995     | 4.485    | 3.461    |
|                   | 2011  | 63.710 | 1.820  | 6.060     | 4.860    | 3.439    |
|                   | 2012  | 64.320 | 3.890  | 6.146     | 5.059    | 3.565    |

|                     |      |        |       |       |       |       |
|---------------------|------|--------|-------|-------|-------|-------|
|                     | 2013 | 64.860 | 3.180 | 6.167 | 5.031 | 3.431 |
|                     | 2014 | 65.120 | 3.700 | 6.247 | 5.051 | 2.699 |
|                     | 2015 | 65.860 | 3.030 | 6.326 | 5.077 | 3.023 |
|                     | 2016 | 66.300 | 2.910 | 6.385 | 5.078 | 3.410 |
|                     | 2017 | 67.060 | 2.280 | 6.431 | 5.140 | 3.626 |
| Kota Batam          | 2010 | 76.980 | 7.770 | 6.045 | 4.089 | 4.220 |
|                     | 2011 | 77.820 | 7.830 | 6.072 | 5.094 | 4.468 |
|                     | 2012 | 78.390 | 7.400 | 6.147 | 4.805 | 4.301 |
|                     | 2013 | 78.650 | 7.180 | 6.310 | 5.128 | 4.354 |
|                     | 2014 | 79.130 | 7.160 | 6.384 | 5.204 | 4.391 |
|                     | 2015 | 79.340 | 6.830 | 6.429 | 4.314 | 4.405 |
|                     | 2016 | 79.790 | 5.450 | 6.476 | 5.301 | 4.368 |
|                     | 2017 | 80.260 | 7.700 | 6.511 | 5.391 | 4.407 |
| Kota Tanjung Pinang | 2010 | 73.760 | 7.080 | 5.964 | 4.660 | 3.950 |
|                     | 2011 | 74.800 | 7.030 | 5.989 | 4.818 | 4.144 |
|                     | 2012 | 75.910 | 7.110 | 6.006 | 4.921 | 4.476 |
|                     | 2013 | 76.700 | 7.780 | 6.043 | 5.043 | 3.966 |
|                     | 2014 | 77.290 | 5.280 | 6.222 | 5.139 | 4.219 |
|                     | 2015 | 77.570 | 5.690 | 6.290 | 4.919 | 4.277 |
|                     | 2016 | 77.770 | 5.080 | 6.338 | 5.023 | 4.300 |
|                     | 2017 | 78.000 | 7.080 | 6.373 | 5.037 | 4.323 |

### Lampiran 3

#### Hasil Uji Chow

##### Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

| Effects Test             | Statistic  | d.f.   | Prob.  |
|--------------------------|------------|--------|--------|
| Cross-section F          | 677.779301 | (6,45) | 0.0000 |
| Cross-section Chi-square | 252.835715 | 6      | 0.0000 |

Cross-section fixed effects test equation:

Dependent Variable: Y?

Method: Panel Least Squares

Date: 08/29/18 Time: 15:29

Sample: 2010 2017

Included observations: 8

Cross-sections included: 7

Total pool (balanced) observations: 56

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.    |
|--------------------|-------------|-----------------------|-------------|----------|
| C                  | -26.99977   | 25.12718              | -1.074524   | 0.2876   |
| X1?                | 1.001653    | 0.451505              | 2.218475    | 0.0310   |
| X2?                | 8.450997    | 4.566800              | 1.850529    | 0.0700   |
| X3?                | 4.505426    | 3.306089              | 1.362766    | 0.1789   |
| X4?                | 4.351182    | 2.048162              | 2.124433    | 0.0385   |
| R-squared          | 0.368838    | Mean dependent var    |             | 70.00964 |
| Adjusted R-squared | 0.319335    | S.D. dependent var    |             | 6.083338 |
| S.E. of regression | 5.018900    | Akaike info criterion |             | 6.149344 |
| Sum squared resid  | 1284.657    | Schwarz criterion     |             | 6.330179 |
| Log likelihood     | -167.1816   | Hannan-Quinn criter.  |             | 6.219453 |
| F-statistic        | 7.450847    | Durbin-Watson stat    |             | 0.172890 |
| Prob(F-statistic)  | 0.000083    |                       |             |          |

## Lampiran 4

### Hasil 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 | 5.617349          | 4            | 0.2296 |

Cross-section random effects test comparisons:

| Variable | Fixed     | Random    | Var(Diff.) | Prob.  |
|----------|-----------|-----------|------------|--------|
| X1?      | 0.137831  | 0.145321  | 0.000032   | 0.1847 |
| X2?      | 7.959885  | 7.974947  | 0.000238   | 0.3292 |
| X3?      | -0.032069 | -0.032514 | 0.000080   | 0.9603 |
| X4?      | 0.842753  | 0.876003  | 0.000632   | 0.1861 |

Cross-section random effects test equation:

Dependent Variable: Y?

Method: Panel Least Squares

Date: 08/29/18 Time: 15:29

Sample: 2010 2017

Included observations: 8

Cross-sections included: 7

Total pool (balanced) observations: 56

| Variable | Coefficient | Std. Error | t-Statistic | Prob.  |
|----------|-------------|------------|-------------|--------|
| C        | 16.72155    | 3.404990   | 4.910895    | 0.0000 |
| X1?      | 0.137831    | 0.077763   | 1.772466    | 0.0831 |
| X2?      | 7.959885    | 0.558694   | 14.24731    | 0.0000 |
| X3?      | -0.032069   | 0.398742   | -0.080425   | 0.9363 |
| X4?      | 0.842753    | 0.351455   | 2.397895    | 0.0207 |

#### Effects Specification

Cross-section fixed (dummy variables)

|                    |           |                       |          |
|--------------------|-----------|-----------------------|----------|
| R-squared          | 0.993092  | Mean dependent var    | 70.00964 |
| Adjusted R-squared | 0.991557  | S.D. dependent var    | 6.083338 |
| S.E. of regression | 0.558964  | Akaike info criterion | 1.848706 |
| Sum squared resid  | 14.05985  | Schwarz criterion     | 2.246543 |
| Log likelihood     | -40.76377 | Hannan-Quinn criter.  | 2.002947 |
| F-statistic        | 646.9457  | Durbin-Watson stat    | 0.833403 |
| Prob(F-statistic)  | 0.000000  |                       |          |

## Lampiran 5

### Hasil Uji Heterokedastisitas

Heteroskedasticity Test: White

|                     |          |                      |        |
|---------------------|----------|----------------------|--------|
| F-statistic         | 1.393677 | Prob. F(14,41)       | 0.1999 |
| Obs*R-squared       | 18.05678 | Prob. Chi-Square(14) | 0.2042 |
| Scaled explained SS | 15.75117 | Prob. Chi-Square(14) | 0.3288 |

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 08/29/18 Time: 15:32

Sample: 1 56

Included observations: 56

| Variable | Coefficient | Std. Error | t-Statistic | Prob.  |
|----------|-------------|------------|-------------|--------|
| C        | -1887.177   | 8182.116   | -0.230647   | 0.8187 |
| X1^2     | -1.092562   | 2.230984   | -0.489722   | 0.6269 |
| X1*X2    | -24.85593   | 20.63911   | -1.204312   | 0.2354 |
| X1*X3    | -3.963345   | 19.52012   | -0.203039   | 0.8401 |
| X1*X4    | -9.341177   | 11.95582   | -0.781308   | 0.4391 |
| X1       | 218.6381    | 120.1288   | 1.820031    | 0.0761 |
| X2^2     | -156.8404   | 238.0754   | -0.658785   | 0.5137 |
| X2*X3    | 48.93606    | 172.5577   | 0.283592    | 0.7781 |
| X2*X4    | 215.6473    | 127.8400   | 1.686853    | 0.0992 |
| X2       | 962.2904    | 2764.396   | 0.348102    | 0.7295 |
| X3^2     | -32.77551   | 82.72440   | -0.396201   | 0.6940 |
| X3*X4    | -72.64198   | 103.9490   | -0.698823   | 0.4886 |
| X3       | 306.5139    | 803.9900   | 0.381241    | 0.7050 |
| X4^2     | 37.00865    | 31.72232   | 1.166644    | 0.2501 |
| X4       | -1186.834   | 761.2683   | -1.559022   | 0.1267 |

|                    |           |                       |          |
|--------------------|-----------|-----------------------|----------|
| R-squared          | 0.322443  | Mean dependent var    | 22.94030 |
| Adjusted R-squared | 0.091081  | S.D. dependent var    | 33.57229 |
| S.E. of regression | 32.00688  | Akaike info criterion | 9.993714 |
| Sum squared resid  | 42002.06  | Schwarz criterion     | 10.53622 |
| Log likelihood     | -264.8240 | Hannan-Quinn criter.  | 10.20404 |
| F-statistic        | 1.393677  | Durbin-Watson stat    | 0.820907 |
| Prob(F-statistic)  | 0.199898  |                       |          |



## Lampiran 6

### Hasil Uji Multikolinieritas

Variance Inflation Factors

Date: 08/29/18 Time: 15:32

Sample: 1 56

Included observations: 56

| Variable | Coefficient<br>Variance | Uncentered<br>VIF | Centered<br>VIF |
|----------|-------------------------|-------------------|-----------------|
| C        | 631.3751                | 1403.649          | NA              |
| X1       | 0.203857                | 15.39997          | 1.493918        |
| X2       | 20.85566                | 1786.953          | 1.361675        |
| X3       | 10.93022                | 583.7489          | 1.322873        |
| X4       | 4.194966                | 143.1519          | 1.482972        |

## Lampiran 7

### Hasil Uji Random Effect Model

Dependent Variable: Y?  
 Method: Pooled EGLS (Cross-section random effects)  
 Date: 08/29/18 Time: 15:29  
 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                         | 16.45918    | 3.934204           | 4.183611    | 0.0001 |
| X1?                       | 0.145321    | 0.077557           | 1.873727    | 0.0667 |
| X2?                       | 7.974947    | 0.558481           | 14.27972    | 0.0000 |
| X3?                       | -0.032514   | 0.398642           | -0.081563   | 0.9353 |
| X4?                       | 0.876003    | 0.350555           | 2.498906    | 0.0157 |
| Random Effects (Cross)    |             |                    |             |        |
| _KARIMUN--C               | -1.702846   |                    |             |        |
| _BINTAN--C                | 1.172052    |                    |             |        |
| _NATUNA--C                | 0.319487    |                    |             |        |
| _LINGGA--C                | -9.459525   |                    |             |        |
| _KEPULAUJANANAMBA<br>S--C | -4.198094   |                    |             |        |
| _KOTABATAM--C             | 7.405027    |                    |             |        |
| _KOTATANJUNGPINAN<br>G--C | 6.463899    |                    |             |        |
| Effects Specification     |             |                    |             |        |
|                           |             |                    | S.D.        | Rho    |
| Cross-section random      |             |                    | 5.235644    | 0.9887 |
| Idiosyncratic random      |             |                    | 0.558964    | 0.0113 |
| Weighted Statistics       |             |                    |             |        |
| R-squared                 | 0.852690    | Mean dependent var | 2.640692    |        |
| Adjusted R-squared        | 0.841137    | S.D. dependent var | 1.424465    |        |
| S.E. of regression        | 0.567758    | Sum squared resid  | 16.43983    |        |
| F-statistic               | 73.80235    | Durbin-Watson stat | 0.719273    |        |
| Prob(F-statistic)         | 0.000000    |                    |             |        |
| Unweighted Statistics     |             |                    |             |        |
| R-squared                 | 0.172835    | Mean dependent var | 70.00964    |        |
| Sum squared resid         | 1683.600    | Durbin-Watson stat | 0.007023    |        |