

## **LAMPIRAN**

| Provinsi | Tahun  | NPF    | SMEL   | LSMEL | Dummy |      |
|----------|--------|--------|--------|-------|-------|------|
| DKI      | 2009Q3 | 6.97   | 32.58  | 3.48  | 0.00  |      |
|          | 2009Q4 | 4.89   | 35.80  | 3.58  | 0.00  |      |
|          | 2010Q1 | 5.97   | 39.13  | 3.67  | 0.00  |      |
|          | 2010Q2 | 4.77   | 43.99  | 3.78  | 0.00  |      |
|          | 2010Q3 | 5.03   | 45.90  | 3.83  | 0.00  |      |
|          | 2010Q4 | 3.37   | 52.57  | 3.96  | 0.00  |      |
|          | 2011Q1 | 5.21   | 56.32  | 4.03  | 0.00  |      |
|          | 2011Q2 | 4.29   | 62.55  | 4.14  | 0.00  |      |
|          | 2011Q3 | 4.54   | 66.52  | 4.20  | 0.00  |      |
|          | 2011Q4 | 2.99   | 71.81  | 4.27  | 0.00  |      |
|          | 2012Q1 | 3.22   | 76.94  | 4.34  | 0.00  |      |
|          | 2012Q2 | 3.42   | 81.22  | 4.40  | 0.00  |      |
|          | 2012Q3 | 3.08   | 80.46  | 4.39  | 0.00  |      |
|          | 2012Q4 | 2.23   | 90.86  | 4.51  | 0.00  |      |
|          | 2013Q1 | 2.74   | 100.79 | 4.61  | 1.00  |      |
|          | 2013Q2 | 2.40   | 103.82 | 4.64  | 1.00  |      |
|          | 2013Q3 | 2.67   | 106.58 | 4.67  | 1.00  |      |
|          | 2013Q4 | 2.20   | 110.09 | 4.70  | 1.00  |      |
|          | 2014Q1 | 2.65   | 108.33 | 4.69  | 1.00  |      |
|          | 2014Q2 | 2.90   | 63.84  | 4.16  | 1.00  |      |
|          | 2014Q3 | 2.67   | 53.61  | 3.98  | 1.00  |      |
|          | 2014Q4 | 3.95   | 59.81  | 4.09  | 1.00  |      |
|          | 2015Q1 | 4.05   | 57.20  | 4.05  | 1.00  |      |
|          | 2015Q2 | 4.12   | 52.79  | 3.97  | 1.00  |      |
|          | 2015Q3 | 4.10   | 46.43  | 3.84  | 1.00  |      |
|          | 2015Q4 | 4.09   | 50.29  | 3.92  | 1.00  |      |
|          | 2016Q1 | 4.66   | 49.41  | 3.90  | 1.00  |      |
|          | 2016Q2 | 5.04   | 51.95  | 3.95  | 1.00  |      |
|          | 2016Q3 | 4.11   | 52.93  | 3.97  | 1.00  |      |
|          | 2016Q4 | 4.87   | 54.53  | 4.00  | 1.00  |      |
|          | Jabar  | 2009Q3 | 4.13   | 32.58 | 3.48  | 0.00 |
|          |        | 2009Q4 | 3.21   | 35.80 | 3.58  | 0.00 |
| 2010Q1   |        | 4.40   | 39.13  | 3.67  | 0.00  |      |
| 2010Q2   |        | 4.00   | 43.99  | 3.78  | 0.00  |      |
| 2010Q3   |        | 3.41   | 45.90  | 3.83  | 0.00  |      |
| 2010Q4   |        | 2.88   | 52.57  | 3.96  | 0.00  |      |
| 2011Q1   |        | 2.22   | 56.32  | 4.03  | 0.00  |      |
| 2011Q2   |        | 2.53   | 62.55  | 4.14  | 0.00  |      |
| 2011Q3   |        | 2.41   | 66.52  | 4.20  | 0.00  |      |
| 2011Q4   |        | 2.69   | 71.81  | 4.27  | 0.00  |      |

|        |        |       |        |      |      |
|--------|--------|-------|--------|------|------|
|        | 2012Q1 | 2.89  | 76.94  | 4.34 | 0.00 |
|        | 2012Q2 | 2.64  | 81.22  | 4.40 | 0.00 |
|        | 2012Q3 | 2.50  | 80.46  | 4.39 | 0.00 |
|        | 2012Q4 | 2.34  | 90.86  | 4.51 | 0.00 |
|        | 2013Q1 | 2.82  | 100.79 | 4.61 | 1.00 |
|        | 2013Q2 | 3.12  | 103.82 | 4.64 | 1.00 |
|        | 2013Q3 | 2.85  | 106.58 | 4.67 | 1.00 |
|        | 2013Q4 | 3.48  | 110.09 | 4.70 | 1.00 |
|        | 2014Q1 | 3.50  | 108.33 | 4.69 | 1.00 |
|        | 2014Q2 | 3.77  | 63.84  | 4.16 | 1.00 |
|        | 2014Q3 | 2.88  | 53.61  | 3.98 | 1.00 |
|        | 2014Q4 | 4.58  | 59.81  | 4.09 | 1.00 |
|        | 2015Q1 | 5.73  | 57.20  | 4.05 | 1.00 |
|        | 2015Q2 | 4.82  | 52.79  | 3.97 | 1.00 |
|        | 2015Q3 | 4.57  | 46.43  | 3.84 | 1.00 |
|        | 2015Q4 | 4.32  | 50.29  | 3.92 | 1.00 |
|        | 2016Q1 | 5.54  | 49.41  | 3.90 | 1.00 |
|        | 2016Q2 | 7.29  | 51.95  | 3.95 | 1.00 |
|        | 2016Q3 | 5.76  | 52.93  | 3.97 | 1.00 |
|        | 2016Q4 | 5.25  | 54.53  | 4.00 | 1.00 |
| Banten | 2009Q3 | 5.45  | 32.58  | 3.48 | 0.00 |
|        | 2009Q4 | 2.92  | 35.80  | 3.58 | 0.00 |
|        | 2010Q1 | 3.00  | 39.13  | 3.67 | 0.00 |
|        | 2010Q2 | 2.73  | 43.99  | 3.78 | 0.00 |
|        | 2010Q3 | 3.07  | 45.90  | 3.83 | 0.00 |
|        | 2010Q4 | 2.21  | 52.57  | 3.96 | 0.00 |
|        | 2011Q1 | 2.32  | 56.32  | 4.03 | 0.00 |
|        | 2011Q2 | 3.00  | 62.55  | 4.14 | 0.00 |
|        | 2011Q3 | 2.46  | 66.52  | 4.20 | 0.00 |
|        | 2011Q4 | 1.60  | 71.81  | 4.27 | 0.00 |
|        | 2012Q1 | 2.37  | 76.94  | 4.34 | 0.00 |
|        | 2012Q2 | 2.48  | 81.22  | 4.40 | 0.00 |
|        | 2012Q3 | 2.51  | 80.46  | 4.39 | 0.00 |
|        | 2012Q4 | 1.46  | 90.86  | 4.51 | 0.00 |
|        | 2013Q1 | 1.75  | 100.79 | 4.61 | 1.00 |
|        | 2013Q2 | 1.75  | 103.82 | 4.64 | 1.00 |
|        | 2013Q3 | 1.83  | 106.58 | 4.67 | 1.00 |
|        | 2013Q4 | 1.53  | 110.09 | 4.70 | 1.00 |
|        | 2014Q1 | 1.71  | 108.33 | 4.69 | 1.00 |
|        | 2014Q2 | 2.45  | 63.84  | 4.16 | 1.00 |
| 2014Q3 | 1.83   | 53.61 | 3.98   | 1.00 |      |

|        |        |        |        |       |      |      |
|--------|--------|--------|--------|-------|------|------|
|        | 2014Q4 | 5.38   | 59.81  | 4.09  | 1.00 |      |
|        | 2015Q1 | 5.38   | 57.20  | 4.05  | 1.00 |      |
|        | 2015Q2 | 5.75   | 52.79  | 3.97  | 1.00 |      |
|        | 2015Q3 | 5.16   | 46.43  | 3.84  | 1.00 |      |
|        | 2015Q4 | 4.58   | 50.29  | 3.92  | 1.00 |      |
|        | 2016Q1 | 5.11   | 49.41  | 3.90  | 1.00 |      |
|        | 2016Q2 | 2.99   | 51.95  | 3.95  | 1.00 |      |
|        | 2016Q3 | 2.82   | 52.93  | 3.97  | 1.00 |      |
|        | 2016Q4 | 2.30   | 54.53  | 4.00  | 1.00 |      |
| Jateng | 2009Q3 | 2.85   | 32.58  | 3.48  | 0.00 |      |
|        | 2009Q4 | 2.55   | 35.80  | 3.58  | 0.00 |      |
|        | 2010Q1 | 2.81   | 39.13  | 3.67  | 0.00 |      |
|        | 2010Q2 | 2.95   | 43.99  | 3.78  | 0.00 |      |
|        | 2010Q3 | 3.05   | 45.90  | 3.83  | 0.00 |      |
|        | 2010Q4 | 2.14   | 52.57  | 3.96  | 0.00 |      |
|        | 2011Q1 | 2.83   | 56.32  | 4.03  | 0.00 |      |
|        | 2011Q2 | 4.41   | 62.55  | 4.14  | 0.00 |      |
|        | 2011Q3 | 3.83   | 66.52  | 4.20  | 0.00 |      |
|        | 2011Q4 | 2.34   | 71.81  | 4.27  | 0.00 |      |
|        | 2012Q1 | 2.92   | 76.94  | 4.34  | 0.00 |      |
|        | 2012Q2 | 3.00   | 81.22  | 4.40  | 0.00 |      |
|        | 2012Q3 | 2.82   | 80.46  | 4.39  | 0.00 |      |
|        | 2012Q4 | 2.50   | 90.86  | 4.51  | 0.00 |      |
|        | 2013Q1 | 2.98   | 100.79 | 4.61  | 1.00 |      |
|        | 2013Q2 | 2.64   | 103.82 | 4.64  | 1.00 |      |
|        | 2013Q3 | 2.60   | 106.58 | 4.67  | 1.00 |      |
|        | 2013Q4 | 2.30   | 110.09 | 4.70  | 1.00 |      |
|        | 2014Q1 | 2.63   | 108.33 | 4.69  | 1.00 |      |
|        | 2014Q2 | 2.90   | 63.84  | 4.16  | 1.00 |      |
|        | 2014Q3 | 2.60   | 53.61  | 3.98  | 1.00 |      |
|        | 2014Q4 | 2.91   | 59.81  | 4.09  | 1.00 |      |
|        | 2015Q1 | 3.48   | 57.20  | 4.05  | 1.00 |      |
|        | 2015Q2 | 3.56   | 52.79  | 3.97  | 1.00 |      |
|        | 2015Q3 | 3.35   | 46.43  | 3.84  | 1.00 |      |
|        | 2015Q4 | 3.15   | 50.29  | 3.92  | 1.00 |      |
|        | 2016Q1 | 3.39   | 49.41  | 3.90  | 1.00 |      |
|        | 2016Q2 | 3.13   | 51.95  | 3.95  | 1.00 |      |
|        | 2016Q3 | 3.01   | 52.93  | 3.97  | 1.00 |      |
|        | 2016Q4 | 2.21   | 54.53  | 4.00  | 1.00 |      |
|        | DIY    | 2009Q3 | 4.94   | 32.58 | 3.48 | 0.00 |
|        |        | 2009Q4 | 1.55   | 35.80 | 3.58 | 0.00 |

|       |        |      |        |      |      |
|-------|--------|------|--------|------|------|
|       | 2010Q1 | 1.84 | 39.13  | 3.67 | 0.00 |
|       | 2010Q2 | 2.91 | 43.99  | 3.78 | 0.00 |
|       | 2010Q3 | 4.02 | 45.90  | 3.83 | 0.00 |
|       | 2010Q4 | 3.83 | 52.57  | 3.96 | 0.00 |
|       | 2011Q1 | 3.19 | 56.32  | 4.03 | 0.00 |
|       | 2011Q2 | 2.85 | 62.55  | 4.14 | 0.00 |
|       | 2011Q3 | 1.76 | 66.52  | 4.20 | 0.00 |
|       | 2011Q4 | 1.76 | 71.81  | 4.27 | 0.00 |
|       | 2012Q1 | 2.12 | 76.94  | 4.34 | 0.00 |
|       | 2012Q2 | 1.83 | 81.22  | 4.40 | 0.00 |
|       | 2012Q3 | 1.51 | 80.46  | 4.39 | 0.00 |
|       | 2012Q4 | 1.09 | 90.86  | 4.51 | 0.00 |
|       | 2013Q1 | 1.42 | 100.79 | 4.61 | 1.00 |
|       | 2013Q2 | 1.60 | 103.82 | 4.64 | 1.00 |
|       | 2013Q3 | 1.26 | 106.58 | 4.67 | 1.00 |
|       | 2013Q4 | 1.19 | 110.09 | 4.70 | 1.00 |
|       | 2014Q1 | 1.59 | 108.33 | 4.69 | 1.00 |
|       | 2014Q2 | 1.82 | 63.84  | 4.16 | 1.00 |
|       | 2014Q3 | 1.26 | 53.61  | 3.98 | 1.00 |
|       | 2014Q4 | 2.13 | 59.81  | 4.09 | 1.00 |
|       | 2015Q1 | 2.27 | 57.20  | 4.05 | 1.00 |
|       | 2015Q2 | 2.04 | 52.79  | 3.97 | 1.00 |
|       | 2015Q3 | 1.96 | 46.43  | 3.84 | 1.00 |
|       | 2015Q4 | 1.88 | 50.29  | 3.92 | 1.00 |
|       | 2016Q1 | 2.42 | 49.41  | 3.90 | 1.00 |
|       | 2016Q2 | 2.11 | 51.95  | 3.95 | 1.00 |
|       | 2016Q3 | 2.74 | 52.93  | 3.97 | 1.00 |
|       | 2016Q4 | 1.40 | 54.53  | 4.00 | 1.00 |
| Jatim | 2009Q3 | 1.53 | 32.58  | 3.48 | 0.00 |
|       | 2009Q4 | 1.01 | 35.80  | 3.58 | 0.00 |
|       | 2010Q1 | 1.08 | 39.13  | 3.67 | 0.00 |
|       | 2010Q2 | 1.06 | 43.99  | 3.78 | 0.00 |
|       | 2010Q3 | 1.25 | 45.90  | 3.83 | 0.00 |
|       | 2010Q4 | 0.99 | 52.57  | 3.96 | 0.00 |
|       | 2011Q1 | 1.12 | 56.32  | 4.03 | 0.00 |
|       | 2011Q2 | 1.44 | 62.55  | 4.14 | 0.00 |
|       | 2011Q3 | 1.41 | 66.52  | 4.20 | 0.00 |
|       | 2011Q4 | 1.19 | 71.81  | 4.27 | 0.00 |
|       | 2012Q1 | 1.34 | 76.94  | 4.34 | 0.00 |
|       | 2012Q2 | 1.56 | 81.22  | 4.40 | 0.00 |
|       | 2012Q3 | 1.57 | 80.46  | 4.39 | 0.00 |

|        |      |        |      |      |
|--------|------|--------|------|------|
| 2012Q4 | 1.35 | 90.86  | 4.51 | 0.00 |
| 2013Q1 | 1.81 | 100.79 | 4.61 | 1.00 |
| 2013Q2 | 2.01 | 103.82 | 4.64 | 1.00 |
| 2013Q3 | 2.35 | 106.58 | 4.67 | 1.00 |
| 2013Q4 | 2.43 | 110.09 | 4.70 | 1.00 |
| 2014Q1 | 3.39 | 108.33 | 4.69 | 1.00 |
| 2014Q2 | 3.06 | 63.84  | 4.16 | 1.00 |
| 2014Q3 | 2.35 | 53.61  | 3.98 | 1.00 |
| 2014Q4 | 3.83 | 59.81  | 4.09 | 1.00 |
| 2015Q1 | 4.69 | 57.20  | 4.05 | 1.00 |
| 2015Q2 | 4.63 | 52.79  | 3.97 | 1.00 |
| 2015Q3 | 3.93 | 46.43  | 3.84 | 1.00 |
| 2015Q4 | 3.23 | 50.29  | 3.92 | 1.00 |
| 2016Q1 | 3.35 | 49.41  | 3.90 | 1.00 |
| 2016Q2 | 3.37 | 51.95  | 3.95 | 1.00 |
| 2016Q3 | 3.20 | 52.93  | 3.97 | 1.00 |
| 2016Q4 | 2.49 | 54.53  | 4.00 | 1.00 |

## a. Common Effect

Dependent Variable: NPF?

Method: Pooled Least Squares

Date: 05/22/17 Time: 14:00

Sample: 2009Q3 2016Q4

Included observations: 30

Cross-sections included: 6

Total pool (balanced) observations: 180

| Variable           | Coefficient | Std. Error            | t-Statistic | Prob.  |
|--------------------|-------------|-----------------------|-------------|--------|
| SMEL?              | 0.657337    | 0.036507              | 18.00602    | 0.0000 |
| DUMMY?             | 0.428253    | 0.206791              | 2.070950    | 0.0398 |
| R-squared          | -0.151263   | Mean dependent var    | 2.998780    |        |
| Adjusted R-squared | -0.157730   | S.D. dependent var    | 1.265150    |        |
| S.E. of regression | 1.361274    | Akaike info criterion | 3.465769    |        |
| Sum squared resid  | 329.8461    | Schwarz criterion     | 3.501246    |        |
| Log likelihood     | -309.9192   | Hannan-Quinn criter.  | 3.480153    |        |
| Durbin-Watson stat | 0.336468    |                       |             |        |

## b. Fixed Effect

Dependent Variable: NPF?  
 Method: Pooled Least Squares  
 Date: 05/22/17 Time: 14:01  
 Sample: 2009Q3 2016Q4  
 Included observations: 30  
 Cross-sections included: 6  
 Total pool (balanced) observations: 180

| Variable      | Coefficient | Std. Error | t-Statistic | Prob.  |
|---------------|-------------|------------|-------------|--------|
| C             | 9.593555    | 0.871422   | 11.00908    | 0.0000 |
| SMEL?         | -1.684861   | 0.214187   | -7.866319   | 0.0000 |
| DUMMY?        | 0.661534    | 0.141862   | 4.663208    | 0.0000 |
| Fixed Effects |             |            |             |        |
| (Cross)       |             |            |             |        |
| _DKIJ—C       | 0.908507    |            |             |        |
| _JABAR—C      | 0.752207    |            |             |        |
| _BANTEN--C    | -0.002331   |            |             |        |
| _JATENG—C     | -0.070896   |            |             |        |
| _DIY—C        | -0.855901   |            |             |        |
| _JATIM--C     | -0.731586   |            |             |        |

## Effects Specification

## Cross-section fixed (dummy variables)

|                    |           |                       |          |
|--------------------|-----------|-----------------------|----------|
| R-squared          | 0.488129  | Mean dependent var    | 2.998780 |
| Adjusted R-squared | 0.467297  | S.D. dependent var    | 1.265150 |
| S.E. of regression | 0.923389  | Akaike info criterion | 2.721893 |
| Sum squared resid  | 146.6552  | Schwarz criterion     | 2.863803 |
| Log likelihood     | -236.9704 | Hannan-Quinn criter.  | 2.779431 |
| F-statistic        | 23.43174  | Durbin-Watson stat    | 0.769757 |
| Prob(F-statistic)  | 0.000000  |                       |          |



## c. Random effect

Dependent Variable: NPF?

Method: Pooled EGLS (Cross-section random effects)

Date: 05/22/17 Time: 14:01

Sample: 2009Q3 2016Q4

Included observations: 30

Cross-sections included: 6

Total pool (balanced) observations: 180

Swamy and Arora estimator of component variances

| Variable              | Coefficient | Std. Error         | t-Statistic | Prob.    |
|-----------------------|-------------|--------------------|-------------|----------|
| C                     | 9.593333    | 0.907948           | 10.56595    | 0.0000   |
| SMEL?                 | -1.684806   | 0.214187           | -7.866062   | 0.0000   |
| DUMMY?                | 0.661526    | 0.141862           | 4.663148    | 0.0000   |
| Random Effects        |             |                    |             |          |
| (Cross)               |             |                    |             |          |
| _DKIJ--C              | 0.846791    |                    |             |          |
| _JABAR--C             | 0.701109    |                    |             |          |
| _BANTEN--C            | -0.002173   |                    |             |          |
| _JATENG--C            | -0.066080   |                    |             |          |
| _DIY--C               | -0.797759   |                    |             |          |
| _JATIM--C             | -0.681889   |                    |             |          |
| Effects Specification |             |                    |             |          |
|                       |             |                    | S.D.        | Rho      |
| Cross-section random  |             |                    | 0.624473    | 0.3138   |
| Idiosyncratic random  |             |                    | 0.923389    | 0.6862   |
| Weighted Statistics   |             |                    |             |          |
| R-squared             | 0.282837    | Mean dependent var |             | 0.781589 |
| Adjusted R-squared    | 0.274734    | S.D. dependent var |             | 1.088446 |
| S.E. of regression    | 0.926948    | Sum squared resid  |             | 152.0843 |
| F-statistic           | 34.90297    | Durbin-Watson stat |             | 0.742275 |
| Prob(F-statistic)     | 0.000000    |                    |             |          |
| Unweighted Statistics |             |                    |             |          |
| R-squared             | 0.209182    | Mean dependent var |             | 2.998780 |
| Sum squared resid     | 226.5757    | Durbin-Watson stat |             | 0.498237 |

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d. Uji Chow

Redundant Fixed Effects Tests

Pool: Untitled

Test cross-section fixed effects

| Effects Test             | Statistic | d.f.    | Prob.  |
|--------------------------|-----------|---------|--------|
| Cross-section F          | 18.746454 | (5,172) | 0.0000 |
| Cross-section Chi-square | 78.299069 | 5       | 0.0000 |

e. Uji Hauman

Correlated Random Effects - Hausman Test

Pool: Untitled

Test cross-section random effects

| Test Summary         | Chi-Sq.<br>Statistic | Chi-Sq. d.f. | Prob.  |
|----------------------|----------------------|--------------|--------|
| Cross-section random | 0.000000             | 2            | 1.0000 |