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# LAMPIRAN

Lampiran 1. Data yang digunakan

| Tahun | X | X2 | Y1 | Y2 | LNX1 | LNX2 | Y3 |
|---|---|---|---|---|---|---|---|
| Q1 2012 | 5,83% | 3,73% | 47.410.865.000.000 | 324.790.000.000 | 31,48987 | 26,50644 | 6,30% |
| Q2 2012 | 5,75% | 4,49% | 50.238.959.000.000 | 438.036.000.000 | 31,54781 | 26,80557 | 6,30% |
| Q3 2012 | 5,75% | 4,48% | 51.719.282.000.000 | 563.502.000.000 | 31,57685 | 27,05744 | 6,20% |
| Q4 2012 | 5,75% | 4,41% | 52.471.630.000.000 | 645.222.000.000 | 31,59129 | 27,19286 | 6,20% |
| Q1 2013 | 5,75% | 5,26% | 51.436.680.000.000 | 586.520.000.000 | 31,57137 | 27,09747 | 6,00% |
| Q2 2013 | 5,83% | 5,65% | 55.230.768.000.000 | 684.278.000.000 | 31,64254 | 27,25163 | 5,70% |
| Q3 2013 | 6,92% | 8,60% | 57.084.755.000.000 | 898.675.000.000 | 31,67556 | 27,52419 | 5,60% |
| Q4 2013 | 7,42% | 8,36% | 59.617.377.000.000 | 729.417.000.000 | 31,71897 | 27,31551 | 5,70% |
| Q1 2014 | 7,50% | 7,76% | 56.854.513.000.000 | 748.952.000.000 | 31,67152 | 27,34194 | 5,12% |
| Q2 2014 | 7,50% | 7,09% | 63.646.096.000.000 | 833.893.000.000 | 31,78436 | 27,44937 | 4,94% |
| Q3 2014 | 7,50% | 4,35% | 65.110.370.000.000 | 941.223.000.000 | 31,8071 | 27,57045 | 4,93% |
| Q4 2014 | 7,67% | 6,47% | 69.446.479.000.000 | 795.486.000.000 | 31,87158 | 27,40222 | 5,05% |
| Q1 2015 | 7,58% | 6,54% | 66.017.808.000.000 | 838.837.000.000 | 31,82095 | 27,45528 | 4,83% |
| Q2 2015 | 7,50% | 7,07% | 71.145.327.000.000 | 1.436.481.000.000 | 31,89575 | 27,99322 | 4,74% |
| Q3 2015 | 7,50% | 7,09% | 70.548.391.000.000 | 1.665.164.000.000 | 31,88732 | 28,14094 | 4,78% |
| Q4 2015 | 7,50% | 4,83% | 72.832.404.000.000 | 1.342.535.000.000 | 31,91918 | 27,92558 | 5,15% |
| Q1 2016 | 7,00% | 4,34% | 69.857.176.000.000 | 1.398.934.000.000 | 31,87747 | 27,96673 | 4,94% |
| Q2 2016 | 6,67% | 3,46% | 69.841.618.000.000 | 1.775.435.000.000 | 31,87725 | 28,20507 | 5,21% |
| Q3 2016 | 5,58% | 3,02% | 67.702.407.000.000 | 1.723.262.000.000 | 31,84614 | 28,17524 | 5,03% |
| Q4 2016 | 4,75% | 3,30% | 73.619.317.000.000 | 2.166.057.000.000 | 31,92993 | 28,40393 | 4,94% |
| Q1 2017 | 4,75% | 2,73% | 72.011.994.000.000 | 2.224.470.000.000 | 31,90785 | 28,43054 | 5,01% |
| Q2 2017 | 4,75% | 4,29% | 73.733.529.000.000 | 2.532.319.000.000 | 31,93148 | 28,56016 | 5,01% |
| Q3 2017 | 4,50% | 3,81% | 73.965.824.000.000 | 2.749.569.000.000 | 31,93462 | 28,64247 | 5,06% |
| Q4 2017 | 4,25% | 3,50% | 78.049.882.000.000 | 4.869.110.000.000 | 31,98837 | 29,21393 | 5,19% |
| Q1 2018 | 4,25% | 3,28% | 73.372.664.000.000 | 10.311.221.000.000 | 31,92657 | 29,96425 | 5,06% |
| Q2 2018 | 4,75% | 3,25% | 78.113.471.000.000 | 10.357.190.000.000 | 31,98918 | 29,9687 | 5,27% |
| Q3 2018 | 5,50% | 3,09% | 77.292.352.000.000 | 10.999.986.000.000 | 31,97862 | 30,02892 | 5,17% |
| Q4 2018 | 5,92% | 3,17% | 85.515.581.000.000 | 15.530.221.000.000 | 32,07972 | 30,37381 | 5,18% |
| Q1 2019 | 6,00% | 2,62% | 81.929.512.000.000 | 20.744.603.000.000 | 32,03688 | 30,66331 | 5,07% |
| Q2 2019 | 6,00% | 3,14% | 84.145.721.000.000 | 35.361.357.000.000 | 32,06357 | 31,19664 | 5,05% |
| Q3 2019 | 5,50% | 3,40% | 85.776.058.000.000 | 39.637.959.000.000 | 32,08276 | 31,31081 | 5,02% |
| Q4 2019 | 5,00% | 2,95% | 90.831.537.000.000 | 49.421.549.000.000 | 32,14003 | 31,53141 | 4,97% |

Lampiran 2. Data yang digunakan

| Tahun | Jumlah Uang Beredar |
|---|---|
| 2003 | 213.784 |
| 2004 | 245.946 |
| 2005 | 271.140 |
| 2006 | 347.013 |
| 2007 | 450.055 |
| 2008 | 456.787 |
| 2009 | 515.824 |
| 2010 | 605.411 |
| 2011 | 722.991 |
| 2012 | 841.652 |
| 2013 | 887.084 |
| 2014 | 942.221 |
| 2015 | 1.051.191 |
| 2016 | 1.237.643 |
| 2017 | 1.390.807 |
| 2018 | 1.457.150 |
| 2019 | 1.565.439 |

Lampiran 3. Hasil Uji Penelitian
Assessment of normality (Group number 1)

| Variable | min | max | skew | c.r. | kurtosis | c.r. |
|---|---|---|---|---|---|---|
| **x2** | 2.620 | 8.600 | .848 | 1.958 | -.554 | -.640 |
| **x1** | 4.250 | 7.670 | .034 | .079 | -1.294 | -1.494 |
| **LNY2** | 26.506 | 31.531 | .822 | 1.898 | -.520 | -.601 |
| **LNY1** | 31.490 | 32.140 | -.428 | -.988 | -.755 | -.872 |
| **y3** | 4.740 | 6.300 | 1.213 | 2.802 | .130 | .151 |
| **Multivariate** | | | | | -4.323 | -1.461 |

Observations farthest from the centroid (Mahalanobis distance) (Group number 1)

| Observation number | Mahalanobis d-squared | p1 | p2 |
|---|---|---|---|
| **8** | 9.153 | .103 | .969 |
| **9** | 8.509 | .130 | .934 |
| **7** | 8.032 | .154 | .891 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|---|---|---|---|
| **1** | 7.697 | .174 | .831 |
| **16** | 7.586 | .181 | .710 |
| **25** | 7.060 | .216 | .719 |
| **11** | 6.879 | .230 | .627 |
| **30** | 6.450 | .265 | .641 |
| **24** | 6.262 | .282 | .568 |
| **12** | 5.519 | .356 | .754 |
| **28** | 5.501 | .358 | .631 |
| **31** | 5.420 | .367 | .528 |
| **2** | 5.325 | .377 | .433 |
| **32** | 5.267 | .384 | .327 |
| **29** | 4.858 | .434 | .409 |
| **23** | 4.823 | .438 | .297 |
| **20** | 4.671 | .457 | .253 |
| **22** | 4.524 | .477 | .213 |
| **21** | 4.345 | .501 | .191 |
| **4** | 4.289 | .509 | .127 |
| **3** | 4.264 | .512 | .072 |
| **19** | 4.069 | .540 | .065 |
| **5** | 3.554 | .615 | .153 |
| **18** | 3.546 | .617 | .083 |
| **14** | 3.480 | .626 | .048 |
| **15** | 3.308 | .653 | .039 |
| **13** | 3.255 | .661 | .018 |
| **10** | 3.239 | .663 | .006 |
| **17** | 2.955 | .707 | .007 |

| Observation number | Mahalanobis d-squared | p1 | p2 |
|---|---|---|---|
| **26** | 2.316 | .804 | .035 |
| **6** | 2.200 | .821 | .014 |
| **27** | 1.644 | .896 | .030 |

Sample Covariances (Group number 1)

| | x2 | x1 | LNY2 | LNY1 | y3 |
|---|---|---|---|---|---|
| **x2** | 3.040 | | | | |
| **x1** | 1.408 | 1.235 | | | |
| **LNY2** | -1.429 | -.703 | 1.969 | | |
| **LNY1** | -.138 | -.049 | .210 | .029 | |
| **y3** | .043 | -.067 | -.304 | -.061 | .208 |

Condition number = 2853.316
Eigenvalues
4.744 1.147 .467 .121 .002
Determinant of sample covariance matrix = .001

Sample Correlations (Group number 1)

| | x2 | x1 | LNY2 | LNY1 | y3 |
|---|---|---|---|---|---|
| **x2** | 1.000 | | | | |
| **x1** | .726 | 1.000 | | | |
| **LNY2** | -.584 | -.451 | 1.000 | | |
| **LNY1** | -.462 | -.258 | .875 | 1.000 | |
| **y3** | .054 | -.133 | -.476 | -.779 | 1.000 |

Condition number = 79.752
Eigenvalues
2.916 1.515 .283 .250 .037

D-separation (Group number 1)

| Description | r | t | p |
|---|---|---|---|
| x2 ⊥ x1 | .726 | 5.789 | .000 |
| LNY2 ⊥ LNY1 \| x1, x2 | .855 | 8.716 | .000 |

Models

Default model (Default model)

Notes for Model (Default model)
Computation of degrees of freedom (Default model)

**Number of distinct sample moments:** 15

**Number of distinct parameters to be estimated:** 13

**Degrees of freedom (15 - 13):** 2

Result (Default model)
Minimum was achieved
Chi-square = 63.919
Degrees of freedom = 2
Probability level = .000
Group number 1 (Group number 1 - Default model)
Estimates (Group number 1 - Default model)
Scalar Estimates (Group number 1 - Default model)
Maximum Likelihood Estimates
Regression Weights: (Group number 1 - Default model)

| | | | Estimate | S.E. | C.R. | P | Label |
|---|---|---|---|---|---|---|---|
| LNY1 | <--- | x1 | .025 | .024 | 1.042 | .297 | par_1 |
| LNY2 | <--- | x2 | -.437 | .117 | -3.732 | *** | par_2 |
| LNY2 | <--- | x1 | -.071 | .184 | -.384 | .701 | par_7 |
| LNY1 | <--- | x2 | -.057 | .015 | -3.679 | *** | par_8 |
| y3 | <--- | LNY1 | -3.898 | .229 | -17.050 | *** | par_3 |
| y3 | <--- | LNY2 | .216 | .030 | 7.155 | *** | par_4 |
| y3 | <--- | x1 | -.035 | .032 | -1.125 | .261 | par_5 |
| y3 | <--- | x2 | -.044 | .027 | -1.630 | .103 | par_6 |

Standardized Regression Weights: (Group number 1 - Default model)

| | | | Estimate |
|---|---|---|---|
| LNY1 | <--- | x1 | .154 |
| LNY2 | <--- | x2 | -.556 |
| LNY2 | <--- | x1 | -.057 |
| LNY1 | <--- | x2 | -.545 |

| | | | Estimate |
|---|---|---|---|
| y3 | <--- | LNY1 | -1.016 |
| y3 | <--- | LNY2 | .424 |
| y3 | <--- | x1 | -.056 |
| y3 | <--- | x2 | -.110 |

Variances: (Group number 1 - Default model)

| | Estimate | S.E. | C.R. | P | Label |
|---|---|---|---|---|---|
| **x1** | 1.235 | .314 | 3.937 | *** | par_9 |
| **x2** | 3.040 | .772 | 3.937 | *** | par_10 |
| **e1** | .023 | .006 | 3.937 | *** | par_11 |
| **e3** | 1.294 | .329 | 3.937 | *** | par_12 |
| **e2** | .037 | .009 | 3.937 | *** | par_13 |

Squared Multiple Correlations: (Group number 1 - Default model)

| | Estimate |
|---|---|
| **LNY2** | .312 |
| **LNY1** | .321 |
| **y3** | .925 |

Matrices (Group number 1 - Default model)

Total Effects (Group number 1 - Default model)

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY2** | -.437 | -.071 | .000 | .000 |

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY1** | -.057 | .025 | .000 | .000 |
| **y3** | .083 | -.150 | .216 | -3.898 |

Standardized Total Effects (Group number 1 - Default model)

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY2** | -.556 | -.057 | .000 | .000 |
| **LNY1** | -.545 | .154 | .000 | .000 |
| **y3** | .208 | -.237 | .424 | -1.016 |

Direct Effects (Group number 1 - Default model)

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY2** | -.437 | -.071 | .000 | .000 |
| **LNY1** | -.057 | .025 | .000 | .000 |
| **y3** | -.044 | -.035 | .216 | -3.898 |

Standardized Direct Effects (Group number 1 - Default model)

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY2** | -.556 | -.057 | .000 | .000 |
| **LNY1** | -.545 | .154 | .000 | .000 |
| **y3** | -.110 | -.056 | .424 | -1.016 |

Indirect Effects (Group number 1 - Default model)

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY2** | .000 | .000 | .000 | .000 |
| **LNY1** | .000 | .000 | .000 | .000 |
| **y3** | .128 | -.114 | .000 | .000 |

Standardized Indirect Effects (Group number 1 - Default model)

| | x2 | x1 | LNY2 | LNY1 |
|---|---|---|---|---|
| **LNY2** | .000 | .000 | .000 | .000 |
| **LNY1** | .000 | .000 | .000 | .000 |
| **y3** | .318 | -.181 | .000 | .000 |

Minimization History (Default model)

| Iteration | | Negative eigenvalues | Condition # | Smallest eigenvalue | Diameter | F | NTries | Ratio |
|---|---|---|---|---|---|---|---|---|
| **0** | e | 1 | | -.121 | 9999.000 | 161.106 | 0 | 9999.000 |
| **1** | e* | 0 | 610.183 | | 1.491 | 83.458 | 19 | .816 |
| **2** | e | 0 | 552.136 | | .844 | 75.968 | 6 | .000 |
| **3** | e | 0 | 182.036 | | .447 | 66.671 | 1 | 1.166 |
| **4** | e | 0 | 84.644 | | .079 | 64.378 | 1 | 1.214 |
| **5** | e | 0 | 52.570 | | .025 | 63.946 | 1 | 1.143 |
| **6** | e | 0 | 46.362 | | .007 | 63.919 | 1 | 1.049 |
| **7** | e | 0 | 44.810 | | .001 | 63.919 | 1 | 1.004 |
| **8** | e | 0 | 44.490 | | .000 | 63.919 | 1 | 1.000 |

Pairwise Parameter Comparisons (Default model)
Variance-covariance Matrix of Estimates (Default model)

| | par_1 | par_2 | par_3 | par_4 | par_5 | par_6 | par_7 | par_8 | par_9 | par_10 | par_11 | par_12 | par_13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **par_1** | .001 | | | | | | | | | | | | |
| **par_2** | .000 | .072 | | | | | | | | | | | |
| **par_3** | .000 | -.033 | .029 | | | | | | | | | | |
| **par_4** | -.001 | .000 | .000 | .001 | | | | | | | | | |
| **par_5** | .000 | .000 | .000 | .000 | .194 | | | | | | | | |
| **par_6** | .000 | .000 | .000 | .000 | -.022 | .003 | | | | | | | |
| **par_7** | .000 | .000 | .000 | .000 | -.006 | .001 | .002 | | | | | | |
| **par_8** | .000 | .000 | .000 | .000 | .001 | .000 | -.001 | .001 | | | | | |
| **par_9** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .098 | | | | |
| **par_10** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .596 | | | |
| **par_11** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | | |
| **par_12** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .108 | |
| **par_13** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

Correlations of Estimates (Default model)

| | par_1 | par_2 | par_3 | par_4 | par_5 | par_6 | par_7 | par_8 | par_9 | par_10 | par_11 | par_12 | par_13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **par_1** | 1.000 | | | | | | | | | | | | |
| **par_2** | .000 | 1.000 | | | | | | | | | | | |
| **par_3** | .000 | -.726 | 1.000 | | | | | | | | | | |
| **par_4** | -.726 | .000 | .000 | 1.000 | | | | | | | | | |
| **par_5** | .000 | .000 | .000 | .000 | 1.000 | | | | | | | | |
| **par_6** | .000 | .000 | .000 | .000 | -.855 | 1.000 | | | | | | | |
| **par_7** | .000 | .000 | .000 | .000 | -.310 | .288 | 1.000 | | | | | | |
| **par_8** | .000 | .000 | .000 | .000 | .105 | .126 | -.637 | 1.000 | | | | | |
| **par_9** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 1.000 | | | | |
| **par_10** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 1.000 | | | |
| **par_11** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 1.000 | | |
| **par_12** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 1.000 | |
| **par_13** | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 1.000 |

Model Fit Summary
CMIN

| Model | NPAR | CMIN | DF | P | CMIN/DF |
|---|---|---|---|---|---|
| **Default model** | 13 | 63.919 | 2 | .000 | 31.960 |
| **Saturated model** | 15 | .000 | 0 | | |
| **Independence model** | 5 | 138.681 | 10 | .000 | 13.868 |

RMR, GFI

| Model | RMR | GFI | AGFI | PGFI |
|---|---|---|---|---|
| **Default model** | .431 | .665 | -1.511 | .089 |
| **Saturated model** | .000 | 1.000 | | |
| **Independence model** | .559 | .457 | .185 | .305 |

Baseline Comparisons

| Model | NFI Delta1 | RFI rho1 | IFI Delta2 | TLI rho2 | CFI |
|---|---|---|---|---|---|
| **Default model** | .539 | -1.305 | .547 | -1.406 | .519 |
| **Saturated model** | 1.000 | | 1.000 | | 1.000 |
| **Independence model** | .000 | .000 | .000 | .000 | .000 |

Parsimony-Adjusted Measures

| Model | PRATIO | PNFI | PCFI |
|---|---|---|---|
| **Default model** | .200 | .108 | .104 |

| Model | PRATIO | PNFI | PCFI |
|---|---|---|---|
| Saturated model | .000 | .000 | .000 |
| Independence model | 1.000 | .000 | .000 |

NCP

| Model | NCP | LO 90 | HI 90 |
|---|---|---|---|
| Default model | 61.919 | 39.431 | 91.827 |
| Saturated model | .000 | .000 | .000 |
| Independence model | 128.681 | 94.298 | 170.511 |

FMIN

| Model | FMIN | F0 | LO 90 | HI 90 |
|---|---|---|---|---|
| Default model | 2.062 | 1.997 | 1.272 | 2.962 |
| Saturated model | .000 | .000 | .000 | .000 |
| Independence model | 4.474 | 4.151 | 3.042 | 5.500 |

RMSEA

| Model | RMSEA | LO 90 | HI 90 | PCLOSE |
|---|---|---|---|---|
| Default model | .999 | .797 | 1.217 | .000 |
| Independence model | .644 | .552 | .742 | .000 |

AIC

| Model | AIC | BCC | BIC | CAIC |
|---|---|---|---|---|
| Default model | 89.919 | 96.159 | 108.974 | 121.974 |
| Saturated model | 30.000 | 37.200 | 51.986 | 66.986 |
| Independence model | 148.681 | 151.081 | 156.010 | 161.010 |

ECVI

| Model | ECVI | LO 90 | HI 90 | MECVI |
|---|---|---|---|---|
| Default model | 2.901 | 2.175 | 3.865 | 3.102 |
| Saturated model | .968 | .968 | .968 | 1.200 |

| Model | ECVI | LO 90 | HI 90 | MECVI |
|---|---|---|---|---|
| **Independence model** | 4.796 | 3.687 | 6.146 | 4.874 |

HOELTER

| Model | HOELTER .05 | HOELTER .01 |
|---|---|---|
| **Default model** | 3 | 5 |
| **Independence model** | 5 | 6 |

Execution time summary

| | |
|---|---|
| **Minimization:** | .034 |
| **Miscellaneous:** | .212 |
| **Bootstrap:** | .000 |
| **Total:** | .246 |