**LAMPIRAN 1**

Daftar Emiten Sub Sektor Bank yang terdaftar di BEI Pada Periode 2012-2016

|  |  |  |
| --- | --- | --- |
| **NO** | **KODE EMITEN** | **NAMA EMITEN** |
| 1 | AGRO | Bank Rakyat Indonesia Agro Niaga Tbk |
| 2 | BABP | Bank MNC Internasional Tbk |
| 3 | BACA | Bank Capital Indonesia Tbk |
| 4 | BBCA | Bank Sentral Asia Tbk |
| 5 | BBKP | Bank Bukopin Tbk |
| 6 | BBNI | Bank Negara Indonesia (Persero) Tbk |
| 7 | BBNP | Bank Nusantara Parahyangan Tbk |
| 8 | BBRI | Bank Rakyat Indonesia (Persero) Tbk |
| 9 | BBTN | Bank Tabungan Negara (Persero) Tbk |
| 10 | BCIC | Bank J Trust Indonesia Tbk |
| 11 | BDMN | Bank Danamon Indonesia Tbk |
| 12 | BJBR | Bank Jabar Banten Tbk |
| 13 | BJTM | Bank Pembangunan Daerah Jawa Timur Tbk |
| 14 | BMRI | Bank Mandiri (Persero) Tbk |
| 15 | BNBA | Bank Bumi Arta Tbk |
| 16 | BNII | Bank Maybank Indonesia Tbk |
| 17 | BSIM | Bank Sinar Mas Tbk |
| 18 | BSWD | Bank of India Indonesia Tbk |
| 19 | BTPN | Bank Tabungan Pensiunan Nasional Tbk |
| 20 | BVIC | Bank Victoria Internasional Tbk |
| 21 | MAYA | Bank Mayapada Internasional Tbk |
| 22 | MEGA | Bank Mega Tbk |
| 23 | NISP | Bank OCBC NISP Tbk |
| 24 | SDRA | Bank Woori Saudara Indonesia 1906 Tbk |

**Lampiran 2**

**Data Sampel (Data Asli)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| NO | KODE EMITEN | PERIODE | GROWTH | ROE | CSR | PBV |
| 1 | AGRO | 2012 | 16,06 | 8,88 | 2,2 | 1,04 |
|  | AGRO | 2013 | 26,83 | 6,27 | 6,6 | 1,05 |
|  | AGRO | 2014 | 24,61 | 6,86 | 6,6 | 0,89 |
|  | AGRO | 2015 | 31,00 | 5,95 | 8,8 | 0,82 |
|  | AGRO | 2016 | 36,03 | 5,32 | 4,4 | 4,1 |
| 2 | BABP | 2012 | 1,84 | 0,15 | 2,2 | 1,29 |
|  | BABP | 2013 | 9,85 | -10,7 | 2,2 | 0,96 |
|  | BABP | 2014 | 15,48 | -4,42 | 2,2 | 1 |
|  | BABP | 2015 | 28,70 | 0,48 | 1,1 | 0,78 |
|  | BABP | 2016 | 7,58 | 0,5 | 1,1 | 0,75 |
| 3 | BACA | 2012 | 20,69 | 7,25 | 5,5 | 0,83 |
|  | BACA | 2013 | 26,00 | 7,78 | 1,1 | 0,62 |
|  | BACA | 2014 | 29,59 | 7,65 | 1,1 | 0,64 |
|  | BACA | 2015 | 31,43 | 8,62 | 2,2 | 1,25 |
|  | BACA | 2016 | 16,85 | 7,11 | 3,3 | 1,1 |
| 4 | BBCA | 2012 | 15,99 | 22,58 | 3,3 | 4,32 |
|  | BBCA | 2013 | 12,03 | 22,29 | 5,5 | 3,70 |
|  | BBCA | 2014 | 11,31 | 21,19 | 5,5 | 4,33 |
|  | BBCA | 2015 | 7,59 | 20,12 | 5,5 | 3,66 |
|  | BBCA | 2016 | 13,86 | 18,3 | 2,2 | 3,49 |
| 5 | BBKP | 2012 | 14,88 | 16,76 | 2,2 | 0,99 |
|  | BBKP | 2013 | 5,74 | 15,04 | 5,5 | 0,8 |
|  | BBKP | 2014 | 13,81 | 10,65 | 4,4 | 1,01 |
|  | BBKP | 2015 | 19,37 | 12,8 | 4,4 | 0,84 |
|  | BBKP | 2016 | 11,70 | 11,43 | 7,7 | 0,63 |
| 6 | BBNI | 2012 | 11,45 | 16,19 | 2,2 | 1,59 |
|  | BBNI | 2013 | 16,01 | 19 | 0 | 1,54 |
|  | BBNI | 2014 | 7,74 | 17,75 | 1,1 | 1,86 |
|  | BBNI | 2015 | 22,09 | 11,65 | 6,6 | 1,19 |
|  | BBNI | 2016 | 18,57 | 12,78 | 5,5 | 1,19 |
| 7 | BBNP | 2012 | 24,95 | 12,92 | 2,2 | 0,95 |
|  | BBNP | 2013 | 21,60 | 10 | 5,5 | 1,42 |
|  | BBNP | 2014 | -5,18 | 8,48 | 6,6 | 1,05 |
|  | BBNP | 2015 | -9,04 | 5,59 | 5,5 | 1,06 |
|  | BBNP | 2016 | -10,53 | 0,68 | 3,3 | 1,06 |
| NO | KODE EMITEN | PERIODE | GROWTH | ROE | CSR | PBV |
| 8 | BBRI | 2012 | 17,33 | 28,8 | 4,4 | 2,64 |
|  | BBRI | 2013 | 13,58 | 26,92 | 4,4 | 2,25 |
|  | BBRI | 2014 | 28,07 | 24,82 | 4,4 | 2,94 |
|  | BBRI | 2015 | 9,54 | 22,46 | 4,4 | 2,49 |
|  | BBRI | 2016 | 14,25 | 17,86 | 4,4 | 2,04 |
| 9 | BBTN | 2012 | 25,39 | 13,27 | 0 | 1,46 |
|  | BBTN | 2013 | 17,38 | 13,52 | 0 | 0,83 |
|  | BBTN | 2014 | 10,23 | 9,35 | 4,4 | 1,08 |
|  | BBTN | 2015 | 18,83 | 13,35 | 5,5 | 0,99 |
|  | BBTN | 2016 | 24,66 | 13,69 | 4,4 | 1,02 |
| 10 | BCIC | 2012 | 16,10 | 11,7 | 5,5 | 1,14 |
|  | BCIC | 2013 | -4,36 | -82,62 | 4,4 | 1,03 |
|  | BCIC | 2014 | -12,99 | -64,93 | 2,2 | 1,2 |
|  | BCIC | 2015 | 3,95 | -67,73 | 5,5 | 1,42 |
|  | BCIC | 2016 | 21,86 | -53,11 | 5,5 | 1,43 |
| 11 | BDMN | 2012 | 9,76 | 14,33 | 3,3 | 1,88 |
|  | BDMN | 2013 | 18,26 | 13,18 | 6,6 | 1,15 |
|  | BDMN | 2014 | 6,23 | 8,12 | 6,6 | 1,31 |
|  | BDMN | 2015 | -3,91 | 7,22 | 6,6 | 0,90 |
|  | BDMN | 2016 | -7,11 | 7,68 | 6,6 | 0,98 |
| 12 | BJBR | 2012 | 30,11 | 19,86 | 3,3 | 1,71 |
|  | BJBR | 2013 | 0,17 | 20,49 | 3,3 | 1,28 |
|  | BJBR | 2014 | 6,87 | 15,81 | 4,4 | 1,06 |
|  | BJBR | 2015 | 16,96 | 17,8 | 3,3 | 0,94 |
|  | BJBR | 2016 | 15,36 | 11,92 | 3,3 | 3,41 |
| 13 | BJTM | 2012 | 17,17 | 13,21 | 0 | 1,03 |
|  | BJTM | 2013 | 13,51 | 14,41 | 0 | 0,98 |
|  | BJTM | 2014 | 14,98 | 15,54 | 4,4 | 1,17 |
|  | BJTM | 2015 | 12,65 | 14,05 | 7,7 | 1,04 |
|  | BJTM | 2016 | 0,54 | 14,26 | 7,7 | 1,21 |
| 14 | BMRI | 2012 | 15,17 | 20,96 | 0 | 2,47 |
|  | BMRI | 2013 | 15,34 | 21,21 | 0 | 2,06 |
|  | BMRI | 2014 | 16,63 | 19,7 | 4,4 | 2,54 |
|  | BMRI | 2015 | 6,44 | 17,7 | 1,1 | 1,81 |
|  | BMRI | 2016 | 14,14 | 9,55 | 3,3 | 1,77 |
| 15 | BNBA | 2012 | 17,56 | 10,93 | 2,2 | 0,73 |
|  | BNBA | 2013 | 16,14 | 9,96 | 0 | 0,64 |
|  | BNBA | 2014 | 27,43 | 8,61 | 0 | 0,64 |
| NO | KODE EMITEN | PERIODE | GROWTH | ROE | CSR | PBV |
|  | BNBA | 2015 | 27,39 | 4,62 | 6,6 | 0,36 |
|  | BNBA | 2016 | 8,43 | 6,07 | 0 | 0,36 |
| 16 | BNII | 2012 | 21,97 | 12,53 | 2,2 | 2,36 |
|  | BNII | 2013 | 21,40 | 12,66 | 4,4 | 1,52 |
|  | BNII | 2014 | 1,97 | 4,86 | 8,8 | 1,1 |
|  | BNII | 2015 | 9,98 | 7,26 | 6,6 | 0,74 |
|  | BNII | 2016 | 5,75 | 10,21 | 4,4 | 1,24 |
| 17 | BSIM | 2012 | -9,04 | 12,48 | 2,2 | 1,12 |
|  | BSIM | 2013 | 15,15 | 8,03 | 3,3 | 1,14 |
|  | BSIM | 2014 | 21,85 | 4,9 | 2,2 | 1,07 |
|  | BSIM | 2015 | 31,09 | 5,05 | 1,1 | 0,97 |
|  | BSIM | 2016 | 11,93 | 8,28 | 9,9 | 1,78 |
| 18 | BSWD | 2012 | 22,13 | 14,71 | 2,2 | 3,62 |
|  | BSWD | 2013 | 41,74 | 17,92 | 0 | 1,24 |
|  | BSWD | 2014 | 44,37 | 18,94 | 1,1 | 1,78 |
|  | BSWD | 2015 | 17,09 | -4,01 | 1,1 | 3,36 |
|  | BSWD | 2016 | -29,26 | -45,57 | 0 | 1,94 |
| 19 | BTPN | 2012 | 26,66 | 25,59 | 0 | 3,96 |
|  | BTPN | 2013 | 17,90 | 21,51 | 0 | 2,53 |
|  | BTPN | 2014 | 7,68 | 15,5 | 0 | 1,99 |
|  | BTPN | 2015 | 8,03 | 12,59 | 0 | 1,01 |
|  | BTPN | 2016 | 12,75 | 11,5 | 5,5 | 0,97 |
| 20 | BVIC | 2012 | 21,61 | 13,99 | 4,4 | 0,53 |
|  | BVIC | 2013 | 33,57 | 15,97 | 6,6 | 0,5 |
|  | BVIC | 2014 | 11,44 | 6,01 | 6,6 | 0,48 |
|  | BVIC | 2015 | 8,83 | 4,45 | 8,8 | 0,35 |
|  | BVIC | 2016 | -99,89 | 3,82 | 7,7 | 0,38 |
| 21 | MAYA | 2012 | 32,55 | 14,26 | 1,1 | 5,7 |
|  | MAYA | 2013 | 39,90 | 15,97 | 3,3 | 3,97 |
|  | MAYA | 2014 | 50,63 | 15,27 | 4,4 | 2,34 |
|  | MAYA | 2015 | 30,77 | 14,22 | 6,6 | 1,83 |
|  | MAYA | 2016 | 28,61 | 11,63 | 6,6 | 2,95 |
| 22 | MEGA | 2012 | 5,35 | 21,99 | 2,2 | 1,95 |
|  | MEGA | 2013 | 1,93 | 8,58 | 2,2 | 2,33 |
|  | MEGA | 2014 | 0,26 | 8,61 | 2,2 | 2,07 |
|  | MEGA | 2015 | 2,37 | 9,14 | 2,2 | 1,98 |
|  | MEGA | 2016 | 3,38 | 9,44 | 2,2 | 1,44 |
| 23 | NISP | 2012 | 32,27 | 10,23 | 1,1 | 1,46 |
| NO | KODE EMITEN | PERIODE | GROWTH | ROE | CSR | PBV |
|  | NISP | 2013 | 23,23 | 8,47 | 7,7 | 1,05 |
|  | NISP | 2014 | 5,74 | 8,94 | 5,5 | 1,08 |
|  | NISP | 2015 | 16,83 | 9,15 | 7,7 | 0,89 |
|  | NISP | 2016 | 14,70 | 9,18 | 7,7 | 1,24 |
| 24 | SDRA | 2012 | 49,86 | 22,09 | 2,2 | 2,89 |
|  | SDRA | 2013 | 8,00 | 21,4 | 2,2 | 3,57 |
|  | SDRA | 2014 | 99,65 | 3,54 | 5,5 | 4,63 |
|  | SDRA | 2015 | 21,83 | 6,41 | 6,6 | 1,35 |
|  | SDRA | 2016 | 13,04 | 7,02 | 2,2 | 1,34 |

**Lampiran 3**

**Data Sampel (Data Normal)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | LOGPBV | GROWTH | ROE | CSR |
| AGRO - 12 | 0.039221 | 16.06 | 8.88 | 2.2 |
| AGRO - 13 | 0.048790 | 26.83 | 6.27 | 6.6 |
| AGRO - 14 | -0.116534 | 24.61 | 6.86 | 6.6 |
| AGRO - 15 | -0.198451 | 31.00 | 5.95 | 8.8 |
| AGRO - 16 | 1.410987 | 36.03 | 5.32 | 4.4 |
| BABP - 12 | 0.254642 | 1.84 | 0.15 | 2.2 |
| BABP - 13 | -0.040822 | 9.85 | -10.70 | 2.2 |
| BABP - 14 | 0.000000 | 15.48 | -4.42 | 2.2 |
| BABP - 15 | -0.248461 | 28.70 | 0.48 | 1.1 |
| BABP - 16 | -0.287682 | 7.58 | 0.50 | 1.1 |
| BACA - 12 | -0.186330 | 20.69 | 7.25 | 5.5 |
| BACA - 13 | -0.478036 | 26.00 | 7.78 | 1.1 |
| BACA - 14 | -0.446287 | 29.59 | 7.65 | 1.1 |
| BACA - 15 | 0.223144 | 31.43 | 8.62 | 2.2 |
| BACA - 16 | 0.095310 | 16.85 | 7.11 | 3.3 |
| BBCA - 12 | 1.463255 | 15.99 | 22.58 | 3.3 |
| BBCA - 13 | 1.308333 | 12.03 | 22.29 | 5.5 |
| BBCA - 14 | 1.465568 | 11.31 | 21.19 | 5.5 |
| BBCA - 15 | 1.297463 | 7.59 | 20.12 | 5.5 |
| BBCA - 16 | 1.249902 | 13.86 | 18.30 | 2.2 |
| BBKP - 12 | -0.010050 | 14.88 | 16.76 | 2.2 |
| BBKP - 13 | -0.223144 | 5.74 | 15.04 | 5.5 |
| BBKP - 14 | 0.009950 | 13.81 | 10.65 | 4.4 |
| BBKP - 15 | -0.174353 | 19.37 | 12.80 | 4.4 |
| BBKP - 16 | -0.462035 | 11.70 | 11.43 | 7.7 |
| BBNI - 12 | 0.463734 | 11.45 | 16.19 | 2.2 |
| BBNI - 13 | 0.431782 | 16.01 | 19.00 | 0.0 |
| BBNI - 14 | 0.620576 | 7.74 | 17.75 | 1.1 |
| BBNI - 15 | 0.173953 | 22.09 | 11.65 | 6.6 |
| BBNI - 16 | 0.173953 | 18.57 | 12.78 | 5.5 |
| BBNP - 12 | -0.051293 | 24.95 | 12.92 | 2.2 |
| BBNP - 13 | 0.350657 | 21.60 | 10.00 | 5.5 |
| BBNP - 14 | 0.048790 | -5.18 | 8.48 | 6.6 |
| BBNP - 15 | 0.058269 | -9.04 | 5.59 | 5.5 |
| BBNP - 16 | 0.058269 | -10.53 | 0.68 | 3.3 |
| BBRI - 12 | 0.970779 | 17.33 | 28.80 | 4.4 |
| BBRI - 13 | 0.810930 | 13.58 | 26.92 | 4.4 |
| BBRI - 14 | 1.078410 | 28.07 | 24.82 | 4.4 |
| BBRI - 15 | 0.912283 | 9.54 | 22.46 | 4.4 |
| BBRI - 16 | 0.712950 | 14.25 | 17.86 | 4.4 |
| BBTN - 12 | 0.378436 | 25.39 | 13.27 | 0.0 |
| BBTN - 13 | -0.186330 | 17.38 | 13.52 | 0.0 |
| BBTN - 14 | 0.076961 | 10.23 | 9.35 | 4.4 |
| BBTN - 15 | -0.010050 | 18.83 | 13.35 | 5.5 |
| BBTN - 16 | 0.019803 | 24.66 | 13.69 | 4.4 |
| BCIC - 12 | 0.131028 | 16.10 | 11.70 | 5.5 |
| BCIC - 13 | 0.029559 | -4.36 | -82.62 | 4.4 |
| BCIC - 14 | 0.182322 | -12.99 | -64.93 | 2.2 |
| BCIC - 15 | 0.350657 | 3.95 | -67.73 | 5.5 |
| BCIC - 16 | 0.357674 | 21.86 | -53.11 | 5.5 |
|  | LOGPBV | GROWTH | ROE | CSR |
| BDMN - 12 | 0.631272 | 9.76 | 14.33 | 3.3 |
| BDMN - 13 | 0.139762 | 18.26 | 13.18 | 6.6 |
| BDMN - 14 | 0.270027 | 6.23 | 8.12 | 6.6 |
| BDMN - 15 | -0.105361 | -3.91 | 7.22 | 6.6 |
| BDMN - 16 | -0.020203 | -7.11 | 7.68 | 6.6 |
| BJBR - 12 | 0.536493 | 30.11 | 19.86 | 3.3 |
| BJBR - 13 | 0.246860 | 0.17 | 20.49 | 3.3 |
| BJBR - 14 | 0.058269 | 6.87 | 15.81 | 4.4 |
| BJBR - 15 | -0.061875 | 16.96 | 17.80 | 3.3 |
| BJBR - 16 | 1.226712 | 15.36 | 11.92 | 3.3 |
| BJTM - 12 | 0.029559 | 17.17 | 13.21 | 0.0 |
| BJTM - 13 | -0.020203 | 13.51 | 14.41 | 0.0 |
| BJTM - 14 | 0.157004 | 14.98 | 15.54 | 4.4 |
| BJTM - 15 | 0.039221 | 12.65 | 14.05 | 7.7 |
| BJTM - 16 | 0.190620 | 0.54 | 14.26 | 7.7 |
| BMRI - 12 | 0.904218 | 15.17 | 20.96 | 0.0 |
| BMRI - 13 | 0.722706 | 15.34 | 21.21 | 0.0 |
| BMRI - 14 | 0.932164 | 16.63 | 19.70 | 4.4 |
| BMRI - 15 | 0.593327 | 6.44 | 17.70 | 1.1 |
| BMRI - 16 | 0.570980 | 14.14 | 9.55 | 3.3 |
| BNBA - 12 | -0.314711 | 17.56 | 10.93 | 2.2 |
| BNBA - 13 | -0.446287 | 16.14 | 9.96 | 0.0 |
| BNBA - 14 | -0.446287 | 27.43 | 8.61 | 0.0 |
| BNBA - 15 | -1.021651 | 27.39 | 4.62 | 6.6 |
| BNBA - 16 | -1.021651 | 8.43 | 6.07 | 0.0 |
| BNII - 12 | 0.858662 | 21.97 | 12.53 | 2.2 |
| BNII - 13 | 0.418710 | 21.40 | 12.66 | 4.4 |
| BNII - 14 | 0.095310 | 1.97 | 4.86 | 8.8 |
| BNII - 15 | -0.301105 | 9.98 | 7.26 | 6.6 |
| BNII - 16 | 0.215111 | 5.75 | 10.21 | 4.4 |
| BSIM - 12 | 0.113329 | -9.04 | 12.48 | 2.2 |
| BSIM - 13 | 0.131028 | 15.15 | 8.03 | 3.3 |
| BSIM - 14 | 0.067659 | 21.85 | 4.90 | 2.2 |
| BSIM - 15 | -0.030459 | 31.09 | 5.05 | 1.1 |
| BSIM - 16 | 0.576613 | 11.93 | 8.28 | 9.9 |
| BSWD - 12 | 1.286474 | 22.13 | 14.71 | 2.2 |
| BSWD - 13 | 0.215111 | 41.74 | 17.92 | 0.0 |
| BSWD - 14 | 0.576613 | 44.37 | 18.94 | 1.1 |
| BSWD - 15 | 1.211941 | 17.09 | -4.01 | 1.1 |
| BSWD - 16 | 0.662688 | -29.26 | -45.57 | 0.0 |
| BTPN - 12 | 1.376244 | 26.66 | 25.59 | 0.0 |
| BTPN - 13 | 0.928219 | 17.90 | 21.51 | 0.0 |
| BTPN - 14 | 0.688135 | 7.68 | 15.50 | 0.0 |
| BTPN - 15 | 0.009950 | 8.03 | 12.59 | 0.0 |
| BTPN - 16 | -0.030459 | 12.75 | 11.50 | 5.5 |
| BVIC - 12 | -0.634878 | 21.61 | 13.99 | 4.4 |
| BVIC - 13 | -0.693147 | 33.57 | 15.97 | 6.6 |
| BVIC - 14 | -0.733969 | 11.44 | 6.01 | 6.6 |
| BVIC - 15 | -1.049822 | 8.83 | 4.45 | 8.8 |
| BVIC - 16 | -0.967584 | -99.89 | 3.82 | 7.7 |
| MAYA - 12 | 1.740466 | 32.55 | 14.26 | 1.1 |
| MAYA - 13 | 1.378766 | 39.90 | 15.97 | 3.3 |
| MAYA - 14 | 0.850151 | 50.63 | 15.27 | 4.4 |
| MAYA - 15 | 0.604316 | 30.77 | 14.22 | 6.6 |
|  | LOGPBV | GROWTH | ROE | CSR |
| MAYA - 16 | 1.081805 | 28.61 | 11.63 | 6.6 |
| MEGA - 12 | 0.667829 | 5.35 | 21.99 | 2.2 |
| MEGA - 13 | 0.845868 | 1.93 | 8.58 | 2.2 |
| MEGA - 14 | 0.727549 | 0.26 | 8.61 | 2.2 |
| MEGA - 15 | 0.683097 | 2.37 | 9.14 | 2.2 |
| MEGA - 16 | 0.364643 | 3.38 | 9.44 | 2.2 |
| NISP – 12 | 0.378436 | 32.27 | 10.23 | 1.1 |
| NISP – 13 | 0.048790 | 23.23 | 8.47 | 7.7 |
| NISP – 14 | 0.076961 | 5.74 | 8.94 | 5.5 |
| NISP – 15 | -0.116534 | 16.83 | 9.15 | 7.7 |
| NISP – 16 | 0.215111 | 14.70 | 9.18 | 7.7 |
| SDRA – 12 | 1.061257 | 49.86 | 22.09 | 2.2 |
| SDRA – 13 | 1.272566 | 8.00 | 21.40 | 2.2 |
| SDRA – 14 | 1.532557 | 99.65 | 3.54 | 5.5 |
| SDRA – 15 | 0.300105 | 21.83 | 6.41 | 6.6 |
| SDRA – 16 | 0.292670 | 13.04 | 7.02 | 2.2 |

**Lampiran 4**

**Statistik Deskriptif dan Uji Normalitas**

Data Sebelum Normal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | PBV | GROWTH | ROE | CSR |
| Mean | 1.624417 | 15.20100 | 8.859667 | 3.749167 |
| Median | 1.205000 | 15.35000 | 11.56500 | 3.300000 |
| Maximum | 5.700000 | 99.65000 | 28.80000 | 9.900000 |
| Minimum | 0.350000 | -99.89000 | -82.62000 | 0.000000 |
| Std. Dev. | 1.053016 | 18.13160 | 16.59927 | 2.524934 |
| Skewness | 1.491873 | -1.315395 | -3.633440 | 0.183344 |
| Kurtosis | 4.833434 | 18.71873 | 17.71219 | 2.097452 |
|  |  |  |  |  |
| Jarque-Bera | 61.32110 | 1269.998 | 1346.281 | 4.745260 |
| Probability | 0.000000 | 0.000000 | 0.000000 | 0.093235 |
|  |  |  |  |  |
| Sum | 194.9300 | 1824.120 | 1063.160 | 449.9000 |
| Sum Sq. Dev. | 131.9522 | 39121.84 | 32788.74 | 758.6599 |
|  |  |  |  |  |
| Observations | 120 | 120 | 120 | 120 |



Data Setelah Normal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | LOGPBV | GROWTH | ROE | CSR |
| Mean | 0.307719 | 15.20100 | 8.859667 | 3.749167 |
| Median | 0.186471 | 15.35000 | 11.56500 | 3.300000 |
| Maximum | 1.740466 | 99.65000 | 28.80000 | 9.900000 |
| Minimum | -1.049822 | -99.89000 | -82.62000 | 0.000000 |
| Std. Dev. | 0.590170 | 18.13160 | 16.59927 | 2.524934 |
| Skewness | 0.192230 | -1.315395 | -3.633440 | 0.183344 |
| Kurtosis | 2.828349 | 18.71873 | 17.71219 | 2.097452 |
|  |  |  |  |  |
| Jarque-Bera | 0.886368 | 1269.998 | 1346.281 | 4.745260 |
| Probability | 0.641989 | 0.000000 | 0.000000 | 0.093235 |
|  |  |  |  |  |
| Sum | 36.92623 | 1824.120 | 1063.160 | 449.9000 |
| Sum Sq. Dev. | 41.44783 | 39121.84 | 32788.74 | 758.6599 |
|  |  |  |  |  |
| Observations | 120 | 120 | 120 | 120 |

Uji Normalitas



**Lampiran 5**

**Pengujian Asumsi Klasik**

Multikolinearitas

|  |  |  |  |
| --- | --- | --- | --- |
|  | GROWTH | ROE | CSR |
| GROWTH | 1.000000 | 0.240704 | -0.101026 |
| ROE | 0.240704 | 1.000000 | -0.058085 |
| CSR | -0.101026 | -0.058085 | 1.000000 |

Uji Heterokedastisitas

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Heteroskedasticity Test: White | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| F-statistic | 1.291681 | Prob. F(9,110) | | 0.2495 |
| Obs\*R-squared | 11.46980 | Prob. Chi-Square(9) | | 0.2449 |
| Scaled explained SS | 9.252129 | Prob. Chi-Square(9) | | 0.4143 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Test Equation: | |  |  |  |
| Dependent Variable: RESID^2 | | |  |  |
| Method: Least Squares | | |  |  |
| Date: 08/07/18 Time: 11:16 | | |  |  |
| Sample: 1 120 | |  |  |  |
| Included observations: 120 | | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| C | 0.427135 | 0.129278 | 3.304016 | 0.0013 |
| GROWTH^2 | 1.56E-05 | 3.35E-05 | 0.464909 | 0.6429 |
| GROWTH\*ROE | -0.000446 | 0.000266 | -1.678006 | 0.0962 |
| GROWTH\*CSR | -0.000872 | 0.001060 | -0.822850 | 0.4124 |
| GROWTH | 0.011771 | 0.006794 | 1.732383 | 0.0860 |
| ROE^2 | 0.000207 | 0.000115 | 1.796794 | 0.0751 |
| ROE\*CSR | 0.005308 | 0.002197 | 2.416263 | 0.0173 |
| ROE | -0.011123 | 0.006649 | -1.672817 | 0.0972 |
| CSR^2 | 0.011698 | 0.006165 | 1.897497 | 0.0604 |
| CSR | -0.146222 | 0.061669 | -2.371085 | 0.0195 |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.095582 | Mean dependent var | | 0.304828 |
| Adjusted R-squared | 0.021584 | S.D. dependent var | | 0.402210 |
| S.E. of regression | 0.397846 | Akaike info criterion | | 1.074152 |
| Sum squared resid | 17.41095 | Schwarz criterion | | 1.306443 |
| Log likelihood | -54.44910 | Hannan-Quinn criter. | | 1.168486 |
| F-statistic | 1.291681 | Durbin-Watson stat | | 1.017629 |
| Prob(F-statistic) | 0.249488 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Lampiran 6**

**Pengujian Hipotesis**

Uji chow

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Redundant Fixed Effects Tests | | |  |  |
| Equation: Untitled | | |  |  |
| Test cross-section fixed effects | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Effects Test | | Statistic | d.f. | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section F | | 10.968840 | (23,93) | 0.0000 |
| Cross-section Chi-square | | 157.411900 | 23 | 0.0000 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section fixed effects test equation: | | | |  |
| Dependent Variable: LOGPBV | | |  |  |
| Method: Panel Least Squares | | |  |  |
| Date: 08/07/18 Time: 10:22 | | |  |  |
| Sample: 2012 2016 | | |  |  |
| Periods included: 5 | | |  |  |
| Cross-sections included: 24 | | |  |  |
| Total panel (balanced) observations: 120 | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| GROWTH | 0.007061 | 0.002937 | 2.404112 | 0.0178 |
| ROE | 0.004855 | 0.003197 | 1.518710 | 0.1316 |
| CSR | -0.038816 | 0.020505 | -1.893004 | 0.0608 |
| C | 0.302897 | 0.107258 | 2.824014 | 0.0056 |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.117460 | Mean dependent var | | 0.307719 |
| Adjusted R-squared | 0.094636 | S.D. dependent var | | 0.590170 |
| S.E. of regression | 0.561551 | Akaike info criterion | | 1.716536 |
| Sum squared resid | 36.57936 | Schwarz criterion | | 1.809452 |
| Log likelihood | -98.99216 | Hannan-Quinn criter. | | 1.754270 |
| F-statistic | 5.146276 | Durbin-Watson stat | | 0.825051 |
| Prob(F-statistic) | 0.002238 |  |  |  |
|  |  |  |  |  |

Uji housman

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Correlated Random Effects - Hausman Test | | | |  |
| Equation: Untitled | | |  |  |
| Test cross-section random effects | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Test Summary | | Chi-Sq. Statistic | Chi-Sq. d.f. | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section random | | 2.287025 | 3 | 0.5150 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section random effects test comparisons: | | | | |
|  |  |  |  |  |
| Variable | Fixed | Random | Var(Diff.) | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| GROWTH | 0.003841 | 0.004117 | 0.000000 | 0.5189 |
| ROE | 0.000686 | 0.001747 | 0.000002 | 0.4667 |
| CSR | -0.032677 | -0.033570 | 0.000013 | 0.8028 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section random effects test equation: | | | |  |
| Dependent Variable: LOGPBV | | |  |  |
| Method: Panel Least Squares | | |  |  |
| Date: 08/07/18 Time: 10:24 | | |  |  |
| Sample: 2012 2016 | | |  |  |
| Periods included: 5 | | |  |  |
| Cross-sections included: 24 | | |  |  |
| Total panel (balanced) observations: 120 | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| C | 0.365760 | 0.076276 | 4.795237 | 0.0000 |
| GROWTH | 0.003841 | 0.002054 | 1.870274 | 0.0646 |
| ROE | 0.000686 | 0.003473 | 0.197537 | 0.8438 |
| CSR | -0.032677 | 0.015351 | -2.128630 | 0.0359 |
|  |  |  |  |  |
|  |  |  |  |  |
|  | Effects Specification | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section fixed (dummy variables) | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.762293 | Mean dependent var | | 0.307719 |
| Adjusted R-squared | 0.695838 | S.D. dependent var | | 0.590170 |
| S.E. of regression | 0.325484 | Akaike info criterion | | 0.788104 |
| Sum squared resid | 9.852431 | Schwarz criterion | | 1.415289 |
| Log likelihood | -20.28621 | Hannan-Quinn criter. | | 1.042807 |
| F-statistic | 11.47070 | Durbin-Watson stat | | 1.815689 |
| Prob(F-statistic) | 0.000000 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Common

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dependent Variable: LOGPBV | | |  |  |
| Method: Panel Least Squares | | |  |  |
| Date: 08/07/18 Time: 10:19 | | |  |  |
| Sample: 2012 2016 | | |  |  |
| Periods included: 5 | | |  |  |
| Cross-sections included: 24 | | |  |  |
| Total panel (balanced) observations: 120 | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| GROWTH | 0.007061 | 0.002937 | 2.404112 | 0.0178 |
| ROE | 0.004855 | 0.003197 | 1.518710 | 0.1316 |
| CSR | -0.038816 | 0.020505 | -1.893004 | 0.0608 |
| C | 0.302897 | 0.107258 | 2.824014 | 0.0056 |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.117460 | Mean dependent var | | 0.307719 |
| Adjusted R-squared | 0.094636 | S.D. dependent var | | 0.590170 |
| S.E. of regression | 0.561551 | Akaike info criterion | | 1.716536 |
| Sum squared resid | 36.57936 | Schwarz criterion | | 1.809452 |
| Log likelihood | -98.99216 | Hannan-Quinn criter. | | 1.754270 |
| F-statistic | 5.146276 | Durbin-Watson stat | | 0.825051 |
| Prob(F-statistic) | 0.002238 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Fixed

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dependent Variable: LOGPBV | | |  |  |
| Method: Panel Least Squares | | |  |  |
| Date: 08/07/18 Time: 10:20 | | |  |  |
| Sample: 2012 2016 | | |  |  |
| Periods included: 5 | | |  |  |
| Cross-sections included: 24 | | |  |  |
| Total panel (balanced) observations: 120 | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| GROWTH | 0.003841 | 0.002054 | 1.870274 | 0.0646 |
| ROE | 0.000686 | 0.003473 | 0.197537 | 0.8438 |
| CSR | -0.032677 | 0.015351 | -2.128630 | 0.0359 |
| C | 0.365760 | 0.076276 | 4.795237 | 0.0000 |
|  |  |  |  |  |
|  |  |  |  |  |
|  | Effects Specification | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section fixed (dummy variables) | | | |  |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.762293 | Mean dependent var | | 0.307719 |
| Adjusted R-squared | 0.695838 | S.D. dependent var | | 0.590170 |
| S.E. of regression | 0.325484 | Akaike info criterion | | 0.788104 |
| Sum squared resid | 9.852431 | Schwarz criterion | | 1.415289 |
| Log likelihood | -20.28621 | Hannan-Quinn criter. | | 1.042807 |
| F-statistic | 11.47070 | Durbin-Watson stat | | 1.815689 |
| Prob(F-statistic) | 0.000000 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Random

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Dependent Variable: LOGPBV | | |  |  |
| Method: Panel EGLS (Cross-section random effects) | | | | |
| Date: 08/07/18 Time: 10:20 | | |  |  |
| Sample: 2012 2016 | | |  |  |
| Periods included: 5 | | |  |  |
| Cross-sections included: 24 | | |  |  |
| Total panel (balanced) observations: 120 | | | |  |
| Swamy and Arora estimator of component variances | | | | |
|  |  |  |  |  |
|  |  |  |  |  |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
|  |  |  |  |  |
|  |  |  |  |  |
| GROWTH | 0.004117 | 0.002009 | 2.049516 | 0.0427 |
| ROE | 0.001747 | 0.003152 | 0.554278 | 0.5805 |
| CSR | -0.033570 | 0.014929 | -2.248589 | 0.0264 |
| C | 0.355512 | 0.122539 | 2.901209 | 0.0044 |
|  |  |  |  |  |
|  |  |  |  |  |
|  | Effects Specification | |  |  |
|  |  |  | S.D. | Rho |
|  |  |  |  |  |
|  |  |  |  |  |
| Cross-section random | | | 0.477511 | 0.6828 |
| Idiosyncratic random | | | 0.325484 | 0.3172 |
|  |  |  |  |  |
|  |  |  |  |  |
|  | Weighted Statistics | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.091015 | Mean dependent var | | 0.089726 |
| Adjusted R-squared | 0.067506 | S.D. dependent var | | 0.336023 |
| S.E. of regression | 0.324483 | Sum squared resid | | 12.21352 |
| F-statistic | 3.871605 | Durbin-Watson stat | | 1.529410 |
| Prob(F-statistic) | 0.011112 |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  | Unweighted Statistics | |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| R-squared | 0.096691 | Mean dependent var | | 0.307719 |
| Sum squared resid | 37.44020 | Durbin-Watson stat | | 0.844099 |
|  |  |  |  |  |
|  |  |  |  |  |

Uji LM

|  |  |  |  |
| --- | --- | --- | --- |
| Lagrange multiplier (LM) test for panel data | | | |
| Date: 08/07/18 Time: 17:08 | | |  |
| Sample: 2012 2016 | |  |  |
| Total panel observations: 120 | | |  |
| Probability in () | |  |  |
|  |  |  |  |
|  |  |  |  |
| Null (no rand. effect) | Cross-section | Period | Both |
| Alternative | One-sided | One-sided |  |
|  |  |  |  |
|  |  |  |  |
| Breusch-Pagan | 98.82505 | 0.613667 | 99.43871 |
|  | (0.0000) | (0.4334) | (0.0000) |
| Honda | 9.941079 | -0.783369 | 6.475479 |
|  | (0.0000) | (0.7833) | (0.0000) |
| King-Wu | 9.941079 | -0.783369 | 3.103306 |
|  | (0.0000) | (0.7833) | (0.0010) |
| SLM | 10.59645 | -0.494152 | -- |
|  | (0.0000) | (0.6894) | -- |
| GHM | -- | -- | 98.82505 |
|  | -- | -- | (0.0000) |