**LAMPIRAN I**

**KKKS Produksi Minyak Bumi**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | BOB PT Bumi Siak Pusako-Pertamina | 28. | Mobil Exploration Indonesia Ltd. / |
|  | Hulu |  | Pertamina Hulu Energi NSO |
| 2. | BP Berau Ltd. | 29. | MontD’Or Oil Tungkal Ltd. |
| 3. | BP Muturi Holding BV | 30. | Pertamina EP |
| 4. | BP Wiriagar Ltd. | 31. | Pertamina Hulu Energi ONWJ Ltd. |
| 5. | Camar Resources Canada Inc. | 32. | PetroChina International Bangko Ltd. |
| 6. | Chevron Indonesia Co. | 33. | PetroChina International Bermuda Ltd. |
|  |  |  | / Petrogas Basin Ltd. |
| 7. | Chevron Makassar Ltd. | 34. | PetroChina International Jabung Ltd. |
| 8. | Chevron Siak Inc. / PT Pertamina Hulu | 35. | Petroselat Ltd. |
|  | Energi Siak |  |  |
| 9. | Citic Seram Energy Ltd. | 36. | Premier Oil Natuna Sea BV |
| 10. | CNOOC SES Ltd. | 37. | PT Chevron Pacific Indonesia |
| 11. | ConocoPhillips Grissik Ltd. | 38. | PT EMP Tonga |
| 12. | ConocoPhillips Indonesia Inc. Ltd. / | 39. | PT Medco E&P Rimau |
|  | Medco E&P Natuna Ltd. |  |  |
| 13. | EMP Malacca Strait S.A | 40. | PT Medco E&P South and Central |
|  |  |  | Sumatera |
| 14. | ExxonMobil Oil Indonesia Inc. / | 41. | PT Medco E&P Tarakan |
|  | Pertamina Hulu Energi NSB |  |  |
| 15. | Indonesia Petroleum Ltd. | 42. | PT PHE West Madura Offshore |
| 16. | JOA Total Tengah | 43. | PT Sele Raya Merangin Dua |
| 17. | JOB Pertamina-Costa International Group | 44. | PT SPR Langgak |
|  | Ltd. / JOB Pertamina-EMP Gebang |  |  |
| 18. | JOB Pertamina-Golden Spike Energy | 45. | Saka Indonesia Pangkah Ltd. |
|  | Indonesia Ltd. |  |  |
| 19. | JOB Pertamina-Medco E&P Tomori | 46. | Santos (Sampang) Pty. Ltd. |
|  | Sulawesi |  |  |
| 20. | JOB Pertamina-PetroChina East Java Ltd. | 47. | Star Energy Kakap Ltd. |
| 21. | JOB Pertamina-PetroChina Salawati Ltd. | 48. | Total E&P Indonesie |
| 22. | JOB Pertamina-Talisman Jambi Merang | 49. | Triangle Pase Inc. |
| 23. | JOB Pertamina-Talisman Ogan KomeringLtd. | 50. | Virginia Indonesia Co. |
| 24. | Kalrez Petroleum (Seram) Ltd. |  |  |
| 25. | Kangean Energy Indonesia Ltd. |  |  |
| 26. | Lapindo Brantas Inc. |  |  |
| 27. | Mobil Cepu Ltd. |  |  |

**LAMPIRAN II**

**KKKS Produksi Gas Alam**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | BP Berau Ltd. | 24. | Lapindo Brantas Inc. |
| 2. | BP Muturi Holding BV | 25. | Mobil Exploration Indonesia Ltd. / |
|  |  |  | Pertamina Hulu Energi NSO |
| 3. | BP Wiriagar Ltd. | 26. | Pearl Oil (Sebuku) Ltd. / Mubadala |
|  |  |  | Petroleum Sebuku |
| 4. | Chevron Indonesia Co. | 27. | Pertamina EP |
| 5. | Chevron Makassar Ltd. | 28. | Pertamina Hulu Energi ONWJ Ltd. |
| 6. | CNOOC SES Ltd. | 29. | PetroChina International Jabung Ltd. |
| 7. | ConocoPhillips Grissik Ltd. | 30. | Petrochina International Bermuda Ltd. |
|  |  |  | / Petrogas Basin Ltd. |
| 8. | ConocoPhillips Indonesia Inc. Ltd. / | 31. | Premier Oil Natuna Sea BV |
|  | Medco E&P Natuna Ltd. |  |  |
| 9. | EMP Bentu Limited | 32. | PT Medco E&P Lematang |
| 10. | EMP Korinci Baru Ltd. | 33. | PT Medco E&P Rimau |
| 11. | EMP Malacca Strait S.A | 34. | PT Medco E&P South and Central |
|  |  |  | Sumatera |
| 12. | Energy Equity Epic (Sengkang) Pty. Ltd. | 35. | PT Medco E&P Tarakan |
| 13. | ExxonMobil Oil Indonesia Inc. / | 36. | PT PHE West Madura Offshore |
|  | Pertamina Hulu Energi NSB |  |  |
| 14. | Indonesia Petroleum Ltd. | 37. | Saka Indonesia Pangkah Ltd. |
| 15. | JOA Total Tengah | 38. | Santos (Madura Offshore) Pty. Ltd. |
| 16. | JOB Pertamina-Costa International Group | 39. | Santos (Sampang) Pty. Ltd. |
|  | Ltd. / JOB Pertamina-EMP Gebang |  |  |
| 17. | JOB Pertamina-Golden Spike Energy | 40. | Star Energy (Kakap) Ltd. |
|  | Indonesia Ltd. |  |  |
| 18. | JOB Pertamina-Medco E&P Tomori | 41. | Total E&P Indonesie |
|  | Sulawesi |  |  |
| 19. | JOB Pertamina-PetroChina East Java Ltd. | 42. | Triangle Pase Inc. |
| 20. | JOB Pertamina-PetroChina Salawati Ltd. | 43. | Virginia Indonesia Co. |
| 21. | JOB Pertamina-Talisman Jambi Merang |  |  |
| 22. | JOB Pertamina-Talisman Ogan Komering |  |  |
| 23. | Ltd.Kangean Energy Indonesia Ltd. |  |  |

**LAMPIRAN III**

**Pengujian**

**Uji Chow KKKS Produksi Minyak Bumi**

|  |  |
| --- | --- |
| Redundant Fixed Effects Tests |  |
| Equation: Untitled |
| Test cross-section fixed effects |
| Effects Test | Statistic | d.f. | Prob. |
| Cross-section F | 17.955326 | (49,292) | 0.0000 |
| Cross-section Chi-square | 486.343159 | 49 | 0.0000 |

**Uji Chow KKKS Produksi Gas Alam**

|  |  |
| --- | --- |
| Redundant Fixed Effects TestsEquation: Untitled |  |
| Test cross-section fixed effects |
| Effects Test | Statistic | d.f. | Prob. |
| Cross-section F | 4.750441 | (42,251) | 0.0000 |
| Cross-section Chi-square | 176.068832 | 42 | 0.0000 |

**Uji Breusch and Pagan Langrange Multiplier KKKS Produksi Minyak Bumi**

Lagrange multiplier (LM) test for panel data

Date: 11/26/17 Time: 15:11

Sample: 2010 2016

Total panel observations: 350

Probability in ()

|  |  |  |  |
| --- | --- | --- | --- |
| Null (no rand. effect) Alternative | Cross-sectionOne-sided | PeriodOne-sided | Both |
| Breusch-Pagan | 430.9279 | 0.135261 | 431.0632 |
|  | (0.0000) | (0.7130) | (0.0000) |
| Honda | 20.75880 | -0.367778 | 14.41863 |
|  | (0.0000) | (0.6435) | (0.0000) |
| King-Wu | 20.75880 | -0.367778 | 6.509269 |
|  | (0.0000) | (0.6435) | (0.0000) |
| GHM | -- | -- | 430.9279 |
|  | -- | -- | (0.0000) |

**Uji Breusch and Pagan Langrange Multiplier KKKS Produksi Gas Alam**

Lagrange multiplier (LM) test for panel data

Date: 11/26/17 Time: 15:11

Sample: 2010 2016

Total panel observations: 301

Probability in ()

|  |  |  |  |
| --- | --- | --- | --- |
| Null (no rand. effect) Alternative | Cross-sectionOne-sided | PeriodOne-sided | Both |
| Breusch-Pagan | 79.46356 | 1.109905 | 80.57347 |
|  | (0.0000) | (0.2921) | (0.0000) |
| Honda | 8.914234 | -1.053520 | 5.558364 |
|  | (0.0000) | (0.8539) | (0.0000) |
| King-Wu | 8.914234 | -1.053520 | 2.166180 |
|  | (0.0000) | (0.8539) | (0.0151) |
| GHM | -- | -- | 79.46356 |
|  | -- | -- | (0.0000) |

**Uji Hausman KKKS Produksi Minyak Bumi**

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 15.150372 8 0.0563

**Uji Hausman KKKS Produksi Gas Alam**

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 11.932203 7 0.1028

**LAMPIRAN IV**

***Random Effect* Model KKKS Produksi Minyak Bumi**

Dependent Variable: TPPHM

Method: Panel EGLS (Cross-section random effects) Date: 12/01/17 Time: 21:52

Sample: 2010 2016

Periods included: 7

Cross-sections included: 50

Total panel (balanced) observations: 350

Swamy and Arora estimator of component variances

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
| C | -0.008858 | 0.014735 | -0.601153 | 0.5481 |
| TCRM | -0.126886 | 0.006469 | -19.61416 | 0.0000 |
| TFTPM | 0.206381 | 0.089060 | 2.317336 | 0.0211 |
| LIFTM | 0.012572 | 0.001521 | 8.266365 | 0.0000 |
| SIZEM | -0.002749 | 0.000928 | -2.963229 | 0.0033 |
| TDMO | -0.065811 | 0.056909 | -1.156439 | 0.2483 |
| PRICEM | 0.000350 | 6.07E-05 | 5.772901 | 0.0000 |
| INF | -0.056083 | 0.053686 | -1.044652 | 0.2969 |
| KURS | 0.003262 | 0.000967 | 3.372216 | 0.0008 |
|  | Effects Specification |  |
|  | S.D. | Rho |
| Cross-section random | 0.030201 | 0.7061 |
| Idiosyncratic random | 0.019486 | 0.2939 |
|  | Weighted Statistics |  |
| R-squared | 0.636284 Mean dependent var | 0.013570 |
| Adjusted R-squared | 0.627751 S.D. dependent var | 0.033137 |
| S.E. of regression | 0.020218 Sum squared resid | 0.139386 |
| F-statistic | 74.56813 Durbin-Watson stat | 1.305188 |
| Prob(F-statistic) | 0.000000 |  |
|  | Unweighted Statistics |  |
| R-squared | 0.498003 Mean dependent var | 0.057273 |
| Sum squared resid | 0.533024 Durbin-Watson stat | 0.341306 |

**LAMPIRAN V**

***Random Effec*t Model KKKS Produksi Gas Alam**

Dependent Variable: TPPHG

Method: Panel EGLS (Cross-section random effects) Date: 12/01/17 Time: 21:35

Sample: 2010 2016

Periods included: 7

Cross-sections included: 43

Total panel (balanced) observations: 301

Swamy and Arora estimator of component variances

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | t-Statistic | Prob. |
| TCRG | -0.204814 | 0.012363 | -16.56631 | 0.0000 |
| TFTPG | 0.347966 | 0.108508 | 3.206820 | 0.0015 |
| LIFTG | 0.022675 | 0.002033 | 11.15250 | 0.0000 |
| SIZEG | -0.005205 | 0.001573 | -3.308713 | 0.0011 |
| PRICEG | -0.000757 | 0.000902 | -0.839019 | 0.4021 |
| INF | 0.234431 | 0.132635 | 1.767492 | 0.0782 |
| KURS | -0.002083 | 0.001624 | -1.283078 | 0.2005 |
| C | 0.054814 | 0.023738 | 2.309067 | 0.0216 |
|  | Effects SpecificationS.D. | Rho |
| Cross-section random | 0.032200 | 0.3117 |
| Idiosyncratic random | 0.047847 | 0.6883 |
|  | Weighted Statistics |  |
| R-squared | 0.592199 Mean dependent var | 0.066200 |
| Adjusted R-squared | 0.582456 S.D. dependent var | 0.075263 |
| S.E. of regression | 0.048633 Sum squared resid | 0.693006 |
| F-statistic | 60.78390 Durbin-Watson stat | 1.581976 |
| Prob(F-statistic) | 0.000000 |  |
|  | Unweighted Statistics |  |
| R-squared | 0.677684 Mean dependent var | 0.135189 |
| Sum squared resid | 1.046850 Durbin-Watson stat | 1.047255 |