

# LAMPIRAN

**Lampiran 1. Daftar Populasi Perusahaan Sektor Energi Periode 2021-2023**

| <b>NO</b> | <b>KODE</b> | <b>NAMA PERUSAHAAN</b>                | <b>NAMA SUB-INDUSTRI</b>             |
|-----------|-------------|---------------------------------------|--------------------------------------|
| 1         | ABMM        | ABM Investama Tbk.                    | Coal Production                      |
| 2         | ADRO        | Adaro Energi Indonesia Tbk.           | Coal Production                      |
| 3         | AIMS        | Artha Mahiya Investama Tbk.           | Coal Production                      |
| 4         | AKRA        | AKR Corporindo Tbk.                   | Oil & Gas Storage & Distribution     |
| 5         | APEX        | Apexindo Pratama Duta Tbk.            | Oil & Gas Drilling Service           |
| 6         | ARII        | Atlas Resources Tbk.                  | Coal Production                      |
| 7         | ARTI        | Ratu Prabu Energi Tbk                 | Oil, Gas & Coal Equipment & Services |
| 8         | BBRM        | Pelayaran Nasional Bina Buana Tbk.    | Coal Distribution                    |
| 9         | BIPI        | Astrindo Nusantara Infrastruktur Tbk. | Oil & Gas Production & Refinery      |
| 10        | BSSR        | Baramulti Suksessarana Tbk.           | Coal Production                      |
| 11        | BULL        | Buana Lintas Lautan Tbk.              | Oil & Gas Storage & Distribution     |
| 12        | BUMI        | Bumi Resources Tbk.                   | Coal Production                      |
| 13        | BYAN        | Bayan Resources Tbk.                  | Coal Production                      |
| 14        | CANI        | Capitol Nusantara Indonesia Tbk.      | Coal Distribution                    |
| 15        | CNKO        | Exploitasi Energi Indonesia Tbk.      | Coal Distribution                    |
| 16        | DEWA        | Darma Henwa Tbk                       | Oil, Gas & Coal Equipment & Services |
| 17        | DOID        | Delta Dunia Makmur Tbk.               | Oil, Gas & Coal Equipment & Services |
| 18        | DSSA        | Dian Swastatika Sentosa Tbk           | Coal Production                      |
| 19        | ELSA        | Elnusa Tbk.                           | Oil & Gas Drilling Service           |
| 20        | ENRG        | Energi Mega Persada Tbk.              | Oil & Gas Production & Refinery      |
| 21        | GEMS        | Golden Energi Mines Tbk.              | Coal Production                      |
| 22        | GTBO        | Garda Tujuh Buana Tbk                 | Coal Production                      |
| 23        | HITS        | Humpuss Intermoda Transportasi Tbk.   | Oil & Gas Production & Refinery      |
| 24        | HRUM        | Harum Energi Tbk.                     | Coal Production                      |
| 25        | IATA        | MNC Energi Investments Tbk.           | Coal Production                      |
| 26        | INDY        | Indika Energi Tbk.                    | Coal Production                      |
| 27        | KKGI        | Resource Alam Indonesia Tbk.          | Coal Production                      |
| 28        | KOPI        | Mitra Energi Persada Tbk.             | Oil & Gas Production & Refinery      |
| 29        | LEAD        | Logindo Samudramakmur Tbk.            | Oil & Gas Production & Refinery      |
| 30        | MBAP        | Mitrabara Adiperdana Tbk.             | Coal Production                      |
| 31        | MBSS        | Mitrabahtera Segara Sejati Tbk        | Coal Distribution                    |

|    |      |                                |                                      |
|----|------|--------------------------------|--------------------------------------|
| 32 | MEDC | Medco Energi Internasional Tbk | Oil & Gas Production & Refinery      |
| 33 | MTFN | Capitalinc Investment Tbk.     | Oil & Gas Production & Refinery      |
| 34 | MYOH | Samindo Resources Tbk.         | Oil, Gas & Coal Equipment & Services |
| 35 | PGAS | Perusahaan Gas Negara Tbk.     | Oil & Gas Storage & Distribution     |
| 36 | PKPK | Perdana Karya Perkasa Tbk      | Oil, Gas & Coal Equipment & Services |
| 37 | PTBA | Bukit Asam Tbk.                | Coal Production                      |
| 38 | PTIS | Indo Straits Tbk.              | Coal Distribution                    |
| 39 | PTRO | Petrosea Tbk.                  | Oil, Gas & Coal Equipment & Services |
| 40 | RAJA | Rukun Raharja Tbk.             | Oil & Gas Storage & Distribution     |
| 41 | RIGS | Rig Tenders Indonesia Tbk.     | Coal Distribution                    |
| 42 | RUIS | Radiant Utama Interinsco Tbk.  | Oil, Gas & Coal Equipment & Services |
| 43 | SMMT | Golden Eagle Energi Tbk.       | Coal Production                      |
| 44 | SMRU | SMR Utama Tbk.                 | Oil, Gas & Coal Equipment & Services |
| 45 | SOCI | Soechi Lines Tbk.              | Oil, Gas & Coal Equipment & Services |
| 46 | SUGI | Sugih Energi Tbk.              | Oil & Gas Production & Refinery      |
| 47 | TOBA | TBS Energi Utama Tbk.          | Coal Production                      |
| 48 | TPMA | Trans Power Marine Tbk.        | Coal Distribution                    |
| 49 | TRAM | Trada Alam Minera Tbk.         | Coal Production                      |
| 50 | WINS | Wintermar Offshore Marine Tbk. | Oil, Gas & Coal Equipment & Services |
| 51 | SHIP | Sillo Maritime Perdana Tbk.    | Oil, Gas & Coal Equipment & Services |
| 52 | TAMU | Pelayaran Tamarin Samudra Tbk. | Oil, Gas & Coal Equipment & Services |
| 53 | FIRE | Alfa Energi Investama Tbk.     | Coal Distribution                    |
| 54 | PSSI | IMC Pelita Logistik Tbk.       | Coal Distribution                    |
| 55 | DWGL | Dwi Guna Laksana Tbk.          | Coal Distribution                    |
| 56 | BOSS | Borneo Olah Sarana Sukses Tbk. | Coal Production                      |
| 57 | JSKY | Sky Energi Indonesia Tbk.      | Alternative Energi Equipment         |
| 58 | INPS | Indah Prakasa Sentosa Tbk.     | Oil & Gas Production & Refinery      |
| 59 | TCPI | Transcoal Pacific Tbk.         | Coal Distribution                    |
| 60 | SURE | Super Energi Tbk.              | Oil & Gas Production & Refinery      |
| 61 | WOWS | Ginting Jaya Energi Tbk.       | Oil, Gas & Coal Equipment            |

|    |      |                                     |                                      |
|----|------|-------------------------------------|--------------------------------------|
|    |      |                                     | & Services                           |
| 62 | TEBE | Dana Brata Luhur Tbk.               | Coal Distribution                    |
| 63 | BESS | Batulicin Nusantara Maritim Tbk.    | Coal Distribution                    |
| 64 | SGER | Sumber Global Energi Tbk.           | Coal Distribution                    |
| 65 | UNIQ | Ulima Nitra Tbk.                    | Oil, Gas & Coal Equipment & Services |
| 66 | MCOL | Prima Andalan Mandiri Tbk.          | Coal Production                      |
| 67 | GTSI | GTS Internasional Tbk.              | Oil & Gas Storage & Distribution     |
| 68 | RMKE | RMK Energi Tbk.                     | Coal Distribution                    |
| 69 | BSML | Bintang Samudera Mandiri Lines      | Coal Distribution                    |
| 70 | ADMR | Adaro Minerals Indonesia Tbk.       | Coal Production                      |
| 71 | SEMA | Semacom Integrated Tbk.             | Alternative Energi Equipment         |
| 72 | SICO | Sigma Energi Compressindo Tbk.      | Oil, Gas & Coal Equipment & Services |
| 73 | COAL | Black Diamond Resources Tbk.        | Coal Production                      |
| 74 | SUNI | Sunindo Pratama Tbk.                | Oil, Gas & Coal Equipment & Services |
| 75 | CBRE | Cakra Buana Resources Energi Tbk.   | Coal Distribution                    |
| 76 | HILL | Hillcon Tbk.                        | Oil, Gas & Coal Equipment & Services |
| 77 | CUAN | Petrindo Jaya Kreasi Tbk.           | Coal Production                      |
| 78 | MAHA | Mandiri Herindo Adiperkasa Tbk      | Coal Distribution                    |
| 79 | RMKO | Royaltama Mulia Kontraktorindo Tbk. | Oil, Gas & Coal Equipment & Services |
| 80 | HUMI | Humpuss Maritim Internasional Tbk.  | Oil & Gas Storage & Distribution     |
| 81 | RGAS | Kian Santang Muliatama Tbk.         | Oil, Gas & Coal Equipment & Services |
| 82 | ITMA | Sumber Energi Andalan Tbk.          | Oil, Gas & Coal Equipment & Services |
| 83 | ITMG | Indo Tambangraya Megah Tbk.         | Coal Production                      |

Keterangan:

|  |                                                                                                                                                                      |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Tidak konsisten menerbitkan SR selama periode 2021-2023                                                                                                              |
|  | Tidak memiliki stakeholder dengan jabatan sebagai direktur, dewan komisaris, dan <i>audit committee director ratio</i> dengan gender wanita selama periode 2021-2023 |
|  | Jumlah perusahaan yang memenuhi kriteria akhir ( <i>Purposive Sampling</i> )                                                                                         |

**Lampiran 2. Daftar Sampel Perusahaan Sektor Energi Periode 2021-2023**

| <b>NO</b> | <b>KODE</b> | <b>NAMA PERUSAHAAN</b>                | <b>NAMA SUB-INDUSTRI</b>             |
|-----------|-------------|---------------------------------------|--------------------------------------|
| 1         | ABMM        | ABM Investama Tbk.                    | Coal Production                      |
| 2         | ADRO        | Adaro Energi Indonesia Tbk.           | Coal Production                      |
| 3         | AKRA        | AKR Corporindo Tbk.                   | Oil & Gas Storage & Distribution     |
| 4         | APEX        | Apexindo Pratama Duta Tbk.            | Oil & Gas Drilling Service           |
| 5         | BIPI        | Astrindo Nusantara Infrastruktur Tbk. | Oil & Gas Production & Refinery      |
| 6         | BSSR        | Baramulti Suksessarana Tbk.           | Coal Production                      |
| 7         | BULL        | Buana Lintas Lautan Tbk.              | Oil & Gas Storage & Distribution     |
| 8         | BUMI        | Bumi Resources Tbk.                   | Coal Production                      |
| 9         | BYAN        | Bayan Resources Tbk.                  | Coal Production                      |
| 10        | CNKO        | Exploitasi Energi Indonesia Tbk.      | Coal Distribution                    |
| 11        | DEWA        | Darma Henwa Tbk                       | Oil, Gas & Coal Equipment & Services |
| 12        | DOID        | Delta Dunia Makmur Tbk.               | Oil, Gas & Coal Equipment & Services |
| 13        | DSSA        | Dian Swastatika Sentosa Tbk           | Coal Production                      |
| 14        | ELSA        | Elnusa Tbk.                           | Oil & Gas Drilling Service           |
| 15        | ENRG        | Energi Mega Persada Tbk.              | Oil & Gas Production & Refinery      |
| 16        | GEMS        | Golden Energi Mines Tbk.              | Coal Production                      |
| 17        | HITS        | Humpuss Intermoda Transportasi Tbk.   | Oil & Gas Production & Refinery      |
| 18        | HRUM        | Harum Energi Tbk.                     | Coal Production                      |
| 19        | IATA        | MNC Energi Investments Tbk.           | Coal Production                      |
| 20        | INDY        | Indika Energi Tbk.                    | Coal Production                      |
| 21        | KKGI        | Resource Alam Indonesia Tbk.          | Coal Production                      |
| 22        | MBAP        | Mitrabara Adiperdana Tbk.             | Coal Production                      |
| 23        | MBSS        | Mitrabahtera Segara Sejati Tbk        | Coal Distribution                    |
| 24        | MEDC        | Medco Energi Internasional Tbk        | Oil & Gas Production & Refinery      |
| 25        | MYOH        | Samindo Resources Tbk.                | Oil, Gas & Coal Equipment & Services |
| 26        | PGAS        | Perusahaan Gas Negara Tbk.            | Oil & Gas Storage & Distribution     |
| 27        | PKPK        | Perdana Karya Perkasa Tbk             | Oil, Gas & Coal Equipment & Services |
| 28        | PTBA        | Bukit Asam Tbk.                       | Coal Production                      |
| 29        | PTIS        | Indo Straits Tbk.                     | Coal Distribution                    |
| 30        | PTRO        | Petrosea Tbk.                         | Oil, Gas & Coal Equipment & Services |
| 31        | RAJA        | Rukun Raharja Tbk.                    | Oil & Gas Storage &                  |

|    |      |                                |                                      |
|----|------|--------------------------------|--------------------------------------|
|    |      |                                | Distribution                         |
| 32 | RUIS | Radiant Utama Interinsco Tbk.  | Oil, Gas & Coal Equipment & Services |
| 33 | SMMT | Golden Eagle Energi Tbk.       | Coal Production                      |
| 34 | SOCI | Soechi Lines Tbk.              | Oil, Gas & Coal Equipment & Services |
| 34 | SUGI | Sugih Energi Tbk.              | Oil & Gas Production & Refinery      |
| 35 | TOBA | TBS Energi Utama Tbk.          | Coal Production                      |
| 36 | TPMA | Trans Power Marine Tbk.        | Coal Distribution                    |
| 37 | WINS | Wintermar Offshore Marine Tbk. | Oil, Gas & Coal Equipment & Services |
| 38 | SHIP | Sillo Maritime Perdana Tbk.    | Oil, Gas & Coal Equipment & Services |
| 39 | FIRE | Alfa Energi Investama Tbk.     | Coal Distribution                    |
| 40 | PSSI | IMC Pelita Logistik Tbk.       | Coal Distribution                    |
| 41 | DWGL | Dwi Guna Laksana Tbk.          | Coal Distribution                    |
| 42 | INPS | Indah Prakasa Sentosa Tbk.     | Oil & Gas Production & Refinery      |
| 43 | TCPI | Transcoal Pacific Tbk.         | Coal Distribution                    |
| 44 | TEBE | Dana Brata Luhur Tbk.          | Coal Distribution                    |
| 45 | BESS | Batulicin Nusantara Maritim Tb | Coal Distribution                    |
| 46 | SGER | Sumber Global Energi Tbk.      | Coal Distribution                    |
| 47 | UNIQ | Ulima Nitra Tbk.               | Oil, Gas & Coal Equipment & Services |
| 48 | MCOL | Prima Andalan Mandiri Tbk.     | Coal Production                      |
| 49 | GTSI | GTS Internasional Tbk.         | Oil & Gas Storage & Distribution     |
| 50 | RMKE | RMK Energi Tbk.                | Coal Distribution                    |
| 51 | ADMR | Adaro Minerals Indonesia Tbk.  | Coal Production                      |
| 52 | ITMA | Sumber Energi Andalan Tbk.     | Oil, Gas & Coal Equipment & Services |
| 53 | ITMG | Indo Tambangraya Megah Tbk.    | Coal Production                      |

**Lampiran 3. Jumlah Keseluruhan Dewan Komisaris, Dewan Direksi, dan  
Audit Committee Perusahaan Sektor Energi Periode 2021-2023**

**Direksi**

| NO | KODE | NAMA PERUSAHAAN                       | Dewan Direksi<br>Keseluruhan |      |      |
|----|------|---------------------------------------|------------------------------|------|------|
|    |      |                                       | 2021                         | 2022 | 2023 |
| 1  | ABMM | ABM Investama Tbk.                    | 3                            | 3    | 3    |
| 2  | ADRO | Adaro Energi Indonesia Tbk.           | 7                            | 7    | 7    |
| 3  | AKRA | AKR Corporindo Tbk.                   | 7                            | 7    | 7    |
| 4  | APEX | Apexindo Pratama Duta Tbk.            | 4                            | 4    | 4    |
| 5  | BIPI | Astrindo Nusantara Infrastruktur Tbk. | 4                            | 4    | 4    |
| 6  | BSSR | Baramulti Suksessarana Tbk.           | 8                            | 10   | 8    |
| 7  | BULL | Buana Lintas Lautan Tbk.              | 4                            | 4    | 4    |
| 8  | BUMI | Bumi Resources Tbk.                   | 11                           | 10   | 15   |
| 9  | BYAN | Bayan Resources Tbk.                  | 7                            | 10   | 12   |
| 10 | CNKO | Exploitasi Energi Indonesia Tbk.      | 3                            | 3    | 3    |
| 11 | DEWA | Darma Henwa Tbk                       | 3                            | 4    | 3    |
| 12 | DOID | Delta Dunia Makmur Tbk.               | 3                            | 3    | 2    |
| 13 | DSSA | Dian Swastatika Sentosa Tbk           | 7                            | 6    | 6    |
| 14 | ELSA | Elnusa Tbk.                           | 5                            | 5    | 8    |
| 15 | ENRG | Energi Mega Persada Tbk.              | 3                            | 3    | 6    |
| 16 | GEMS | Golden Energi Mines Tbk.              | 6                            | 6    | 6    |
| 17 | HITS | Humpuss Intermoda Transportasi Tbk.   | 2                            | 2    | 2    |
| 18 | HRUM | Harum Energi Tbk.                     | 5                            | 4    | 3    |
| 19 | IATA | MNC Energi Investments Tbk.           | 4                            | 4    | 6    |
| 20 | INDY | Indika Energi Tbk.                    | 5                            | 5    | 5    |
| 21 | KKGI | Resource Alam Indonesia Tbk.          | 5                            | 5    | 6    |
| 22 | MBAP | Mitrabara Adiperdana Tbk.             | 4                            | 5    | 3    |
| 23 | MBSS | Mitrabahtera Segara Sejati Tbk        | 4                            | 3    | 3    |
| 24 | MEDC | Medco Energi Internasional Tbk        | 5                            | 5    | 5    |
| 25 | MYOH | Samindo Resources Tbk.                | 4                            | 4    | 5    |
| 26 | PGAS | Perusahaan Gas Negara Tbk.            | 6                            | 6    | 6    |
| 27 | PKPK | Perdana Karya Perkasa Tbk             | 2                            | 2    | 2    |
| 28 | PTBA | Bukit Asam Tbk.                       | 13                           | 5    | 5    |
| 29 | PTIS | Indo Straits Tbk.                     | 3                            | 3    | 2    |
| 30 | PTRO | Petrosea Tbk.                         | 3                            | 5    | 5    |
| 31 | RAJA | Rukun Raharja Tbk.                    | 3                            | 3    | 4    |
| 32 | RUIS | Radiant Utama Interinsco Tbk.         | 4                            | 3    | 3    |
| 33 | SMMT | Golden Eagle Energi Tbk.              | 2                            | 2    | 5    |
| 34 | SOCI | Soechi Lines Tbk.                     | 3                            | 3    | 3    |
| 35 | TOBA | TBS Energi Utama Tbk.                 | 4                            | 5    | 6    |
| 36 | TPMA | Trans Power Marine Tbk.               | 4                            | 4    | 4    |
| 37 | WINS | Wintermar Offshore Marine Tbk.        | 5                            | 4    | 4    |
| 38 | SHIP | Sillo Maritime Perdana Tbk.           | 3                            | 3    | 3    |
| 39 | FIRE | Alfa Energi Investama Tbk.            | 3                            | 3    | 3    |

|    |      |                                |   |   |   |
|----|------|--------------------------------|---|---|---|
| 40 | PSSI | IMC Pelita Logistik Tbk.       | 3 | 3 | 3 |
| 41 | DWGL | Dwi Guna Laksana Tbk.          | 2 | 2 | 2 |
| 42 | INPS | Indah Prakasa Sentosa Tbk.     | 2 | 2 | 2 |
| 43 | TCPI | Transcoal Pacific Tbk.         | 5 | 5 | 4 |
| 44 | TEBE | Dana Brata Luhur Tbk.          | 2 | 2 | 2 |
| 45 | BESS | Batulicin Nusantara Maritim Tb | 2 | 2 | 2 |
| 46 | SGER | Sumber Global Energi Tbk.      | 3 | 3 | 3 |
| 47 | UNIQ | Ulima Nitra Tbk.               | 2 | 2 | 2 |
| 48 | MCOL | Prima Andalan Mandiri Tbk.     | 4 | 4 | 4 |
| 49 | GTSI | GTS Internasional Tbk.         | 2 | 2 | 2 |
| 50 | RMKE | RMK Energi Tbk.                | 3 | 3 | 3 |
| 51 | ADMR | Adaro Minerals Indonesia Tbk.  | 5 | 6 | 6 |
| 52 | ITMA | Sumber Energi Andalan Tbk.     | 3 | 3 | 3 |
| 53 | ITMG | Indo Tambangraya Megah Tbk.    | 9 | 9 | 9 |

### Komisaris

| NO | KODE | NAMA PERUSAHAAN                       | Dewan Komisaris<br>Keseluruhan |      |      |
|----|------|---------------------------------------|--------------------------------|------|------|
|    |      |                                       | 2021                           | 2022 | 2023 |
| 1  | ABMM | ABM Investama Tbk.                    | 4                              | 4    | 4    |
| 2  | ADRO | Adaro Energi Indonesia Tbk.           | 5                              | 5    | 5    |
| 3  | AKRA | AKR Corporindo Tbk.                   | 3                              | 3    | 4    |
| 4  | APEX | Apexindo Pratama Duta Tbk.            | 3                              | 3    | 3    |
| 5  | BIPI | Astrindo Nusantara Infrastruktur Tbk. | 3                              | 3    | 2    |
| 6  | BSSR | Baramulti Suksessarana Tbk.           | 11                             | 11   | 8    |
| 7  | BULL | Buana Lintas Lautan Tbk.              | 4                              | 4    | 3    |
| 8  | BUMI | Bumi Resources Tbk.                   | 8                              | 8    | 8    |
| 9  | BYAN | Bayan Resources Tbk.                  | 4                              | 3    | 6    |
| 10 | CNKO | Exploitasi Energi Indonesia Tbk.      | 3                              | 3    | 4    |
| 11 | DEWA | Darma Henwa Tbk                       | 6                              | 6    | 6    |
| 12 | DOID | Delta Dunia Makmur Tbk.               | 5                              | 4    | 4    |
| 13 | DSSA | Dian Swastatika Sentosa Tbk           | 5                              | 5    | 5    |
| 14 | ELSA | Elnusa Tbk.                           | 4                              | 4    | 6    |
| 15 | ENRG | Energi Mega Persada Tbk.              | 5                              | 5    | 6    |
| 16 | GEMS | Golden Energi Mines Tbk.              | 6                              | 6    | 6    |
| 17 | HITS | Humpuss Intermoda Transportasi Tbk.   | 2                              | 2    | 2    |
| 18 | HRUM | Harum Energi Tbk.                     | 6                              | 5    | 5    |
| 19 | IATA | MNC Energi Investments Tbk.           | 2                              | 2    | 3    |
| 20 | INDY | Indika Energi Tbk.                    | 5                              | 5    | 5    |
| 21 | KKGI | Resource Alam Indonesia Tbk.          | 5                              | 5    | 5    |
| 22 | MBAP | Mitrabara Adiperdana Tbk.             | 3                              | 4    | 2    |
| 23 | MBSS | Mitrabahtera Segara Sejati Tbk        | 2                              | 3    | 3    |
| 24 | MEDC | Medco Energi Internasional Tbk        | 4                              | 3    | 3    |
| 25 | MYOH | Samindo Resources Tbk.                | 3                              | 3    | 3    |
| 26 | PGAS | Perusahaan Gas Negara Tbk.            | 6                              | 6    | 6    |
| 27 | PKPK | Perdana Karya Perkasa Tbk             | 3                              | 3    | 3    |
| 28 | PTBA | Bukit Asam Tbk.                       | 7                              | 6    | 8    |

|    |      |                                |   |   |   |
|----|------|--------------------------------|---|---|---|
| 29 | PTIS | Indo Straits Tbk.              | 2 | 2 | 2 |
| 30 | PTRO | Petrosea Tbk.                  | 5 | 8 | 4 |
| 31 | RAJA | Rukun Raharja Tbk.             | 4 | 3 | 5 |
| 32 | RUIS | Radiant Utama Interinsco Tbk.  | 3 | 3 | 3 |
| 33 | SMMT | Golden Eagle Energi Tbk.       | 2 | 2 | 5 |
| 34 | SOCI | Soechi Lines Tbk.              | 2 | 2 | 2 |
| 35 | TOBA | TBS Energi Utama Tbk.          | 4 | 4 | 4 |
| 36 | TPMA | Trans Power Marine Tbk.        | 3 | 2 | 2 |
| 37 | WINS | Wintermar Offshore Marine Tbk. | 3 | 3 | 3 |
| 38 | SHIP | Sillo Maritime Perdana Tbk.    | 2 | 2 | 2 |
| 39 | FIRE | Alfa Energi Investama Tbk.     | 2 | 2 | 4 |
| 40 | PSSI | IMC Pelita Logistik Tbk.       | 5 | 3 | 3 |
| 41 | DWGL | Dwi Guna Laksana Tbk.          | 3 | 3 | 2 |
| 42 | INPS | Indah Prakasa Sentosa Tbk.     | 2 | 2 | 2 |
| 43 | TCPI | Transcoal Pacific Tbk.         | 2 | 2 | 3 |
| 44 | TEBE | Dana Brata Luhur Tbk.          | 3 | 3 | 3 |
| 45 | BESS | Batulicin Nusantara Maritim Tb | 3 | 3 | 3 |
| 46 | SGER | Sumber Global Energi Tbk.      | 2 | 2 | 2 |
| 47 | UNIQ | Ulima Nitra Tbk.               | 2 | 2 | 2 |
| 48 | MCOL | Prima Andalan Mandiri Tbk.     | 3 | 3 | 3 |
| 49 | GTSI | GTS Internasional Tbk.         | 2 | 2 | 2 |
| 50 | RMKE | RMK Energi Tbk.                | 2 | 2 | 3 |
| 51 | ADMR | Adaro Minerals Indonesia Tbk.  | 6 | 6 | 6 |
| 52 | ITMA | Sumber Energi Andalan Tbk.     | 3 | 3 | 2 |
| 53 | ITMG | Indo Tambangraya Megah Tbk.    | 7 | 8 | 8 |

### ***Audit Committee***

| NO | KODE | NAMA PERUSAHAAN                       | <i><b>Audit Committee</b></i><br><b>Keseluruhan</b> |             |             |
|----|------|---------------------------------------|-----------------------------------------------------|-------------|-------------|
|    |      |                                       | <b>2021</b>                                         | <b>2022</b> | <b>2023</b> |
| 1  | ABMM | ABM Investama Tbk.                    | 3                                                   | 3           | 3           |
| 2  | ADRO | Adaro Energi Indonesia Tbk.           | 3                                                   | 3           | 3           |
| 3  | AKRA | AKR Corporindo Tbk.                   | 3                                                   | 3           | 3           |
| 4  | APEX | Apexindo Pratama Duta Tbk.            | 3                                                   | 3           | 3           |
| 5  | BIPI | Astrindo Nusantara Infrastruktur Tbk. | 4                                                   | 4           | 4           |
| 6  | BSSR | Baramulti Suksessarana Tbk.           | 3                                                   | 3           | 4           |
| 7  | BULL | Buana Lintas Lautan Tbk.              | 3                                                   | 3           | 4           |
| 8  | BUMI | Bumi Resources Tbk.                   | 4                                                   | 3           | 3           |
| 9  | BYAN | Bayan Resources Tbk.                  | 7                                                   | 4           | 5           |
| 10 | CNKO | Exploitasi Energi Indonesia Tbk.      | 3                                                   | 3           | 3           |
| 11 | DEWA | Darma Henwa Tbk                       | 3                                                   | 3           | 3           |
| 12 | DOID | Delta Dunia Makmur Tbk.               | 3                                                   | 3           | 3           |
| 13 | DSSA | Dian Swastatika Sentosa Tbk           | 3                                                   | 4           | 3           |
| 14 | ELSA | Elnusa Tbk.                           | 3                                                   | 3           | 3           |
| 15 | ENRG | Energi Mega Persada Tbk.              | 3                                                   | 3           | 3           |
| 16 | GEMS | Golden Energi Mines Tbk.              | 3                                                   | 3           | 3           |
| 17 | HITS | Humpuss Intermoda Transportasi Tbk.   | 6                                                   | 3           | 4           |
| 18 | HRUM | Harum Energi Tbk.                     | 3                                                   | 3           | 3           |

|    |      |                                |   |   |   |
|----|------|--------------------------------|---|---|---|
| 19 | IATA | MNC Energi Investments Tbk.    | 3 | 3 | 3 |
| 20 | INDY | Indika Energi Tbk.             | 5 | 4 | 6 |
| 21 | KKGI | Resource Alam Indonesia Tbk.   | 3 | 3 | 3 |
| 22 | MBAP | Mitrabara Adiperdana Tbk.      | 3 | 3 | 3 |
| 23 | MBSS | Mitrabahtera Segara Sejati Tbk | 3 | 3 | 3 |
| 24 | MEDC | Medco Energi Internasional Tbk | 3 | 4 | 4 |
| 25 | MYOH | Samindo Resources Tbk.         | 3 | 3 | 3 |
| 26 | PGAS | Perusahaan Gas Negara Tbk.     | 5 | 5 | 6 |
| 27 | PKPK | Perdana Karya Perkasa Tbk      | 3 | 3 | 2 |
| 28 | PTBA | Bukit Asam Tbk.                | 4 | 4 | 4 |
| 29 | PTIS | Indo Straits Tbk.              | 3 | 5 | 4 |
| 30 | PTRO | Petrosea Tbk.                  | 5 | 6 | 4 |
| 31 | RAJA | Rukun Raharja Tbk.             | 3 | 3 | 3 |
| 32 | RUIS | Radiant Utama Interinsco Tbk.  | 3 | 3 | 3 |
| 33 | SMMT | Golden Eagle Energi Tbk.       | 3 | 3 | 6 |
| 34 | SOCI | Soechi Lines Tbk.              | 3 | 3 | 3 |
| 35 | TOBA | TBS Energi Utama Tbk.          | 3 | 3 | 4 |
| 36 | TPMA | Trans Power Marine Tbk.        | 3 | 3 | 3 |
| 37 | WINS | Wintermar Offshore Marine Tbk. | 3 | 3 | 3 |
| 38 | SHIP | Sillo Maritime Perdana Tbk.    | 3 | 3 | 3 |
| 39 | FIRE | Alfa Energi Investama Tbk.     | 3 | 3 | 3 |
| 40 | PSSI | IMC Pelita Logistik Tbk.       | 3 | 3 | 3 |
| 41 | DWGL | Dwi Guna Laksana Tbk.          | 3 | 3 | 3 |
| 42 | INPS | Indah Prakasa Sentosa Tbk.     | 3 | 3 | 3 |
| 43 | TCPI | Transcoal Pacific Tbk.         | 3 | 3 | 3 |
| 44 | TEBE | Dana Brata Luhur Tbk.          | 3 | 3 | 3 |
| 45 | BESS | Batulicin Nusantara Maritim Tb | 3 | 3 | 3 |
| 46 | SGER | Sumber Global Energi Tbk.      | 3 | 2 | 2 |
| 47 | UNIQ | Ulima Nitra Tbk.               | 3 | 3 | 3 |
| 48 | MCOL | Prima Andalan Mandiri Tbk.     | 3 | 3 | 3 |
| 49 | GTSI | GTS Internasional Tbk.         | 3 | 3 | 3 |
| 50 | RMKE | RMK Energi Tbk.                | 3 | 3 | 3 |
| 51 | ADMR | Adaro Minerals Indonesia Tbk.  | 3 | 3 | 3 |
| 52 | ITMA | Sumber Energi Andalan Tbk.     | 3 | 4 | 3 |
| 53 | ITMG | Indo Tambangraya Megah Tbk.    | 3 | 3 | 3 |

#### Lampiran 4. Data *Outlier*

| Perusahaan | Tahun | CSR     | GENDER DIR | GENDER KOM | FACDR |
|------------|-------|---------|------------|------------|-------|
| ABMM       | 2021  | .692308 | 0          | .25        | .00   |
| ABMM       | 2022  | .714286 | 0          | .25        | .00   |
| ABMM       | 2023  | .659341 | 0          | .25        | .00   |
| ADRO       | 2021  | .406593 | 0          | .20        | .00   |
| ADRO       | 2022  | .450549 | 0          | .20        | .00   |
| ADRO       | 2023  | .571429 | 0          | .20        | .00   |
| AKRA       | 2021  | .659341 | 0          | .00        | .00   |
| AKRA       | 2022  | .582418 | 0          | .00        | .00   |
| AKRA       | 2023  | .527473 | 0          | .00        | .00   |
| APEX       | 2021  | .362637 | 0          | .00        | .00   |
| APEX       | 2022  | .362637 | 0          | .00        | .00   |
| APEX       | 2023  | .406593 | 0          | .00        | .00   |
| BIPI       | 2021  | .307692 | 0          | .00        | .00   |
| BIPI       | 2022  | .285714 | 0          | .00        | .00   |
| BIPI       | 2023  | .428571 | 0          | .00        | .00   |
| BSSR       | 2021  | .285714 | 0          | .09        | .00   |
| BSSR       | 2022  | .296703 | 0          | .09        | .00   |
| BSSR       | 2023  | .307692 | 0          | .00        | .00   |
| BULL       | 2021  | .186813 | 0          | .00        | .00   |
| BULL       | 2022  | .208791 | 0          | .00        | .00   |
| BULL       | 2023  | .208791 | 0          | .00        | .00   |
| BUMI       | 2021  | .483516 | 0          | .00        | .00   |
| BUMI       | 2022  | .560440 | 0          | .00        | .00   |
| BUMI       | 2023  | .560440 | 0          | .00        | .00   |
| BYAN       | 2021  | .351648 | 0          | .00        | .00   |
| BYAN       | 2022  | .373626 | 0          | .00        | .00   |
| BYAN       | 2023  | .373626 | 0          | .00        | .00   |
| CNKO       | 2021  | .098901 | 0          | .00        | .00   |
| CNKO       | 2022  | .131868 | 0          | .00        | .00   |
| CNKO       | 2023  | .109890 | 0          | .00        | .00   |
| DEWA       | 2021  | .329670 | 0          | .00        | .00   |
| DEWA       | 2022  | .439560 | 0          | .00        | .00   |
| DEWA       | 2023  | .472527 | 0          | .00        | .00   |
| DOID       | 2021  | .164835 | 1          | .00        | .00   |
| DOID       | 2022  | .549451 | 0          | .00        | .00   |
| DOID       | 2023  | .593407 | 1          | .00        | .00   |
| DSSA       | 2021  | .197802 | 0          | .20        | .00   |
| DSSA       | 2022  | .384615 | 0          | .20        | .00   |
| DSSA       | 2023  | .384615 | 0          | .20        | .00   |
| ELSA       | 2021  | .230769 | 0          | .00        | .00   |
| ELSA       | 2022  | .175824 | 0          | .00        | .00   |
| ELSA       | 2023  | .472527 | 0          | .00        | .00   |
| ENRG       | 2021  | .296703 | 0          | .20        | .33   |
| ENRG       | 2022  | .340659 | 0          | .20        | .33   |
| ENRG       | 2023  | .593407 | 0          | .17        | .33   |
| GEMS       | 2021  | .285714 | 0          | .00        | .00   |
| GEMS       | 2022  | .681319 | 0          | .00        | .00   |
| GEMS       | 2023  | .692308 | 0          | .00        | .00   |

|      |      |         |   |     |     |
|------|------|---------|---|-----|-----|
| HITS | 2021 | .329670 | 0 | .00 | .00 |
| HITS | 2022 | .175824 | 0 | .00 | .00 |
| HITS | 2023 | .186813 | 0 | .50 | .25 |
| HRUM | 2021 | .296703 | 0 | .17 | .33 |
| HRUM | 2022 | .274725 | 0 | .20 | .33 |
| HRUM | 2023 | .318681 | 0 | .20 | .33 |
| IATA | 2021 | .186813 | 0 | .00 | .00 |
| IATA | 2022 | .186813 | 0 | .00 | .00 |
| IATA | 2023 | .219780 | 0 | .00 | .00 |
| INDY | 2021 | .604396 | 0 | .00 | .00 |
| INDY | 2022 | .604396 | 0 | .00 | .00 |
| INDY | 2023 | .670330 | 0 | .00 | .00 |
| KKGI | 2021 | .208791 | 0 | .00 | .00 |
| KKGI | 2022 | .285714 | 0 | .00 | .00 |
| KKGI | 2023 | .263736 | 0 | .00 | .00 |
| MBAP | 2021 | .329670 | 0 | .00 | .00 |
| MBAP | 2022 | .373626 | 0 | .00 | .00 |
| MBAP | 2023 | .362637 | 0 | .00 | .00 |
| MBSS | 2021 | .109890 | 1 | .50 | .33 |
| MBSS | 2022 | .109890 | 1 | .33 | .33 |
| MBSS | 2023 | .109890 | 1 | .33 | .33 |
| MEDC | 2021 | .274725 | 0 | .25 | .00 |
| MEDC | 2022 | .560440 | 0 | .33 | .00 |
| MEDC | 2023 | .472527 | 0 | .33 | .00 |
| MYOH | 2021 | .219780 | 0 | .00 | .00 |
| MYOH | 2022 | .230769 | 0 | .00 | .00 |
| MYOH | 2023 | .296703 | 0 | .00 | .00 |
| PGAS | 2021 | .582418 | 0 | .17 | .20 |
| PGAS | 2022 | .582418 | 0 | .17 | .20 |
| PGAS | 2023 | .538462 | 0 | .17 | .17 |
| PKPK | 2021 | .120879 | 0 | .00 | .00 |
| PKPK | 2022 | .131868 | 0 | .00 | .00 |
| PKPK | 2023 | .186813 | 0 | .00 | .00 |
| PTBA | 2021 | .439560 | 0 | .14 | .00 |
| PTBA | 2022 | .714286 | 0 | .17 | .00 |
| PTBA | 2023 | .714286 | 0 | .13 | .00 |
| PTIS | 2021 | .043956 | 0 | .00 | .00 |
| PTIS | 2022 | .109890 | 0 | .00 | .00 |
| PTIS | 2023 | .076923 | 1 | .00 | .00 |
| PTRO | 2021 | .373626 | 0 | .00 | .00 |
| PTRO | 2022 | .450549 | 0 | .00 | .00 |
| PTRO | 2023 | .538462 | 0 | .00 | .00 |
| RAJA | 2021 | .274725 | 0 | .00 | .00 |
| RAJA | 2022 | .263736 | 0 | .00 | .00 |
| RAJA | 2023 | .263736 | 0 | .00 | .00 |
| RUIS | 2021 | .065934 | 0 | .00 | .00 |
| RUIS | 2022 | .065934 | 0 | .33 | .00 |
| RUIS | 2023 | .307692 | 0 | .33 | .00 |
| SMMT | 2021 | .252747 | 0 | .00 | .00 |
| SMMT | 2022 | .252747 | 0 | .00 | .00 |
| SMMT | 2023 | .274725 | 0 | .00 | .00 |

|      |      |         |   |      |     |
|------|------|---------|---|------|-----|
| SOCI | 2021 | .230769 | 0 | .00  | .00 |
| SOCI | 2022 | .219780 | 0 | .00  | .00 |
| SOCI | 2023 | .230769 | 0 | .00  | .00 |
| TOBA | 2021 | .164835 | 0 | .00  | .00 |
| TOBA | 2022 | .395604 | 0 | .00  | .00 |
| TOBA | 2023 | .670330 | 0 | .00  | .00 |
| TPMA | 2021 | .197802 | 0 | .67  | .33 |
| TPMA | 2022 | .197802 | 0 | 1.00 | .33 |
| TPMA | 2023 | .197802 | 0 | 1.00 | .33 |
| WINS | 2021 | .351648 | 0 | .00  | .00 |
| WINS | 2022 | .351648 | 0 | .00  | .00 |
| WINS | 2023 | .340659 | 0 | .00  | .00 |
| SHIP | 2021 | .263736 | 0 | .00  | .00 |
| SHIP | 2022 | .263736 | 0 | .00  | .00 |
| SHIP | 2023 | .208791 | 0 | .00  | .00 |
| FIRE | 2021 | .164835 | 0 | .00  | .00 |
| FIRE | 2022 | .263736 | 0 | .00  | .00 |
| FIRE | 2023 | .285714 | 1 | .00  | .00 |
| PSSI | 2021 | .087912 | 0 | .20  | .00 |
| PSSI | 2022 | .186813 | 0 | .33  | .33 |
| PSSI | 2023 | .219780 | 0 | .33  | .33 |
| DWGL | 2021 | .087912 | 0 | .00  | .00 |
| DWGL | 2022 | .076923 | 0 | .00  | .00 |
| DWGL | 2023 | .076923 | 0 | .00  | .00 |
| INPS | 2021 | .087912 | 0 | .50  | .00 |
| INPS | 2022 | .318681 | 0 | .50  | .00 |
| INPS | 2023 | .076923 | 0 | .50  | .00 |
| TCPI | 2021 | .208791 | 0 | .50  | .00 |
| TCPI | 2022 | .274725 | 0 | .50  | .00 |
| TCPI | 2023 | .318681 | 0 | .33  | .00 |
| TEBE | 2021 | .219780 | 0 | .33  | .00 |
| TEBE | 2022 | .186813 | 0 | .33  | .00 |
| TEBE | 2023 | .230769 | 0 | .33  | .00 |
| UNIQ | 2021 | .175824 | 0 | .50  | .00 |
| UNIQ | 2022 | .175824 | 0 | .50  | .00 |
| UNIQ | 2023 | .186813 | 0 | .50  | .00 |
| GTSI | 2021 | .318681 | 0 | .00  | .00 |
| GTSI | 2022 | .373626 | 0 | .00  | .00 |
| GTSI | 2023 | .384615 | 0 | .00  | .00 |
| RMKE | 2021 | .274725 | 0 | .50  | .00 |
| RMKE | 2022 | .395604 | 0 | .50  | .00 |
| RMKE | 2023 | .307692 | 0 | .00  | .00 |
| ADMR | 2021 | .131868 | 0 | .00  | .00 |
| ADMR | 2022 | .186813 | 0 | .00  | .00 |
| ADMR | 2023 | .593407 | 0 | .00  | .00 |
| ITMA | 2021 | .021978 | 0 | .33  | .00 |
| ITMA | 2022 | .076923 | 0 | .00  | .00 |
| ITMA | 2023 | .307692 | 0 | .00  | .00 |
| ITMG | 2021 | .384615 | 0 | .14  | .00 |
| ITMG | 2022 | .593407 | 0 | .25  | .00 |
| ITMG | 2023 | .681319 | 0 | .13  | .00 |

**Lampiran 5. 91 Indikator Pengungkapan CSR Berdasarkan GRI-G4**

| <b>KATEGORI EKONOMI</b>       |      |                                                                                                                                                       |
|-------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Kinerja Ekonomi               | EC1  | Nilai ekonomi langsung yang dihasilkan                                                                                                                |
|                               | EC2  | Implikasi finansial dan risiko serta peluang                                                                                                          |
|                               | EC3  | Cakupan kewajiban organisasi atas program                                                                                                             |
|                               | EC4  | Bantuan finansial yang diterima dari                                                                                                                  |
| Keberadaan Pasar              | EC5  | Rasio upah standar pegawai pemula (entry level) menurut gender dibandingkan dengan upah minimum regional di lokasi-lokasi operasional yang signifikan |
|                               | EC6  | Perbandingan manajemen senior yang dipekerjakan dari masyarakat lokal di lokasi operasi                                                               |
| Dampak Ekonomi Tidak Langsung | EC7  | Pembangunan dan dampak dari investasi infrastruktur dan jasa yang diberikan                                                                           |
|                               | EC8  | Dampak ekonomi tidak langsung yang signifikan, termasuk besarnya dampak                                                                               |
| Praktek Pengadaan             | EC9  | Perbandingan dari pembelian pemasok lokal di operasional yang signifikan                                                                              |
| <b>KATEGORI LINGKUNGAN</b>    |      |                                                                                                                                                       |
| -Bahan                        | EN1  | Bahan yang digunakan berdasarkan berat atau Volume                                                                                                    |
|                               | EN2  | Presentase bahan yang digunakan yang merupakan bahan input daur                                                                                       |
| -Energi                       | EN3  | Konsumsi energi dalam organisasi                                                                                                                      |
|                               | EN4  | Konsumsi energi diluar organisasi                                                                                                                     |
|                               | EN5  | Intensitas Energi                                                                                                                                     |
|                               | EN6  | Pengurangan konsumsi energi                                                                                                                           |
| -Air                          | EN7  | Konsumsi energi diluar organisasi                                                                                                                     |
|                               | EN8  | Total pengambilan air berdasarkan sumber                                                                                                              |
|                               | EN9  | Sumber air yang secara signifikan dipengaruhi oleh pengambilan air                                                                                    |
|                               | EN10 | Persentase dan total volume air yang                                                                                                                  |

|                        |      |                                                                                                                                                                                                                         |
|------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -Keanekaragaman Hayati | EN11 | Lokasi-lokasi operasional yang dimiliki, disewa, dikelola didalam, atau yang berdekatan dengan, kawasan lindung dan kawasan dengan nilai keanekaragaman hayati tinggi diluar                                            |
|                        | EN12 | Uraian dampak signifikan kegiatan, produk, dan jasa terhadap keanekaragaman hayati di kawasan lindung dan kawasan dengan nilai keanekaragaman hayati tinggi diluar kawasan Lindung                                      |
|                        | EN13 | Habitat yang dilindungi dan dipulihkan                                                                                                                                                                                  |
|                        | EN14 | Jumlah total spesies dalam iucn red list dan spesies dalam daftar spesies yang dilindungi nasional dengan habitat di tempat yang dipengaruhi operasional, berdasarkan tingkat risiko kepunahan                          |
| -Emisi                 | EN15 | Emisi gas rumah kaca (GRK) langsung (cakupan 1)                                                                                                                                                                         |
|                        | EN16 | Emisi gas rumah kaca (GRK) energi tidak langsung (Cakupan 2)                                                                                                                                                            |
|                        | EN17 | Emisi gas rumah kaca (GRK) tidak langsung lainnya (Cakupan 3)                                                                                                                                                           |
|                        | EN18 | Intensitas emisi gas rumah                                                                                                                                                                                              |
|                        | EN19 | Pengurangan emisi gas rumah kaca (GRK)                                                                                                                                                                                  |
|                        | EN20 | Emisi bahan perusak ozon (BPO)                                                                                                                                                                                          |
|                        | EN21 | NOX, SOX, dan emisi udah signifikan lainnya                                                                                                                                                                             |
| -Efluen dan Limbah     | EN22 | Total air yang dibuang berdasarkan kualitas dan tujuan                                                                                                                                                                  |
|                        | EN23 | Bobot total limbah berdasarkan jenis dan metode pembuangan                                                                                                                                                              |
|                        | EN24 | Jumlah dan volume total tambahan signifikan                                                                                                                                                                             |
|                        | EN25 | Bobot limbah yang dianggap berbahaya menurut ketentuan konvensi basel 2 lampiran I, II, III, dan VIII yang diangkut, diimpor, diekspor, atau diolah, dan persentase limbah yang diangkut untuk pengiriman internasional |

|                                                                     |      |                                                                                                                                                                                            |
|---------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                     | EN26 | Identitas, ukuran, status lindung, dan nilai keanekaragaman hayati dari badan air dan habitat terkait yang secara signifikan terkait dampak dari pembuangan dan air limbah dari organisasi |
| -Produk dan Jasa                                                    | EN27 | Tingkat mitigasi dampak terhadap lingkungan produk dan jasa                                                                                                                                |
|                                                                     | EN28 | Persentase produk yang terjual dan kemasannya yang direklamasikan menurut kategori                                                                                                         |
| -Kepatuhan                                                          | EN29 | Nilai moneter denda signifikan dan jumlah total sanksi non-moneter atas ketidakpastian terhadap UU dan peraturan lingkungan                                                                |
| -Transportasi                                                       | EN30 | Dampak lingkungan signifikan dari pengangkutan produk dan barang lain serta bahan untuk operasional organisasi dan pengangkutan tenaga kerja                                               |
| -Lain-lain                                                          | EN31 | Total pengeluaran dan investasi perlindungan lingkungan berdasarkan jenis                                                                                                                  |
| -asesmen pemasok atas lingkungan                                    | EN32 | Persentase penapisan pemasok baru menggunakan                                                                                                                                              |
|                                                                     | EN33 | Dampak lingkungan negatif signifikan aktual dan potensial dalam rantai pasokan dan tindakan yang diambil                                                                                   |
| -mekanisme pengaduan masalah lingkungan                             | EN34 | Jumlah pengaduan tentang dampak lingkungan yang diajukan, ditangani, dan diselesaikan melalui mekanisme pengaduan resmi                                                                    |
| <b>KATEGORI SOSIAL</b>                                              |      |                                                                                                                                                                                            |
| <b>SUB-KATEGORI: PRAKTEK KETENAGAKERJAAN DAN KENYAMANAN BEKERJA</b> |      |                                                                                                                                                                                            |
| -kepegawaian                                                        | LA1  | Jumlah total dan tingkat perekrutan karyawan baru dan turnover karyawan menurut kelompok umur, gender dan wilayah                                                                          |
|                                                                     | LA2  | Tunjangan yang diberikan bagi karyawan purnawaktu yang tidak diberikan bagi karyawan sementara atau paruh waktu, berdasarkan lokasi operasi yang signifikan                                |
|                                                                     | LA3  | Tingkat kembali bekerja dan tingkat retensi setelah cuti melahirkan, menurut gender                                                                                                        |
| -Hubungan industrial                                                | LA4  | Jangka waktu minimum pemberitahuan mengenai perubahan operasional, termasuk apakah hal tersebut tercantum dalam perjanjian bersama                                                         |
| -Kesehatan dan Keselamatan Kerja VV                                 | LA5  | Persentase total tenaga kerja yang diwakili dalam komite bersama formal manajemen-pekerja yang membantu mengatasi dan memberikan saran                                                     |

|                                                  |      |                                                                                                                                                                            |
|--------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                  |      | program kesehatan dan keselamatan kerja                                                                                                                                    |
|                                                  | LA6  | Jenis dan tingkat cedera, penyakit akibat kerja, hari hilang, dan kemangkiran, serta jumlah total kematian akibat kerja, menurut daerah dan gender                         |
|                                                  | LA7  | Pekerja yang sering terkena atau beresiko tinggi terkena penyakit yang terkait dengan pekerjaan mereka                                                                     |
|                                                  | LA8  | Topik kesehatan dan keselamatan yang tercakup dalam perjanjian formal dengan serikat pekerja                                                                               |
| -Pelatihan dan Pendidikan                        | LA9  | Jam pelatihan rata-rata per tahun per karyawan menurut gender dan menurut kategori karyawan                                                                                |
|                                                  | LA10 | Program untuk manajemen keterampilan dan pembelajaran seumur hidup yang mendukung keberlanjutan kerja karyawan dan membantu mereka mengelola purna bakti                   |
|                                                  | LA11 | Persentase karyawan yang menerima review kinerja dan pengembangan karier secara reguler, menurut gender dan kategori karyawan                                              |
| -keberagaman dan kesetaraan peluang              | LA12 | Komposisi badan tata kelola dan pembagian karyawan per kategori karyawan menurut gender, kelompok usia, keanggotaan, kelompok minoritas, dan indikator keberagaman lainnya |
| -Kesetaraan Remunerasi Perempuan dan Laki-laki   | LA13 | Rasio gaji pokok dan remunerasi bagi perempuan terhadap laki-laki menurut kategori karyawan, berdasarkan lokasi operasional yang signifikan                                |
| -Asesmen Pemasok Terkait Praktik Ketenagakerjaan | LA14 | Persentase penapisan pemasok baru menggunakan kriteria praktik ketenagakerjaan                                                                                             |
|                                                  | LA15 | Dampak negatif aktual dan potensial yang signifikan terhadap praktik ketenagakerjaan dalam rantai pemasok dan tindakan yang diambil                                        |
|                                                  | LA16 | Jumlah pengaduan tentang praktik ketenagakerjaan yang diajukan, ditangani, dan diselesaikan melalui pengaduan resmi.                                                       |
| <b>SUB-KATEGORI: HAK ASASI MANUSIA</b>           |      |                                                                                                                                                                            |

|                                                    |      |                                                                                                                                                                                                                        |
|----------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -Investasi                                         | HR1  | Jumlah total dan persentase perjanjian dan kontrak investasi yang signifikan yang menyertakan klausul terkait hak asasi manusia atau penapisan berdasarkan hak asasi manusia                                           |
|                                                    | HR2  | Jumlah waktu pelatihan karyawan tentang kebijakan atau prosedur hak asasi manusia terkait dengan aspek hak asasi manusia yang relevan dengan operasi, termasuk persentase karyawan yang dilatih                        |
| -Non-diskriminasi                                  | HR3  | Jumlah total insiden diskriminasi dan tindakan korektif yang diambil                                                                                                                                                   |
| -kebebasan berserikat dan Perjanjian Kerja Bersama | HR4  | Operasi pemasok teridentifikasi yang mungkin melanggar atau berisiko tinggi melanggar hak untuk melaksanakan kebebasan berserikat dan perjanjian kerjasama, dan tindakan yang diambil untuk mendukung hak-hak tersebut |
| -pekerja anak                                      | HR5  | Operasi dan pemasok yang diidentifikasi berisiko tinggi melakukan eksploitasi pekerja anak dan tindakan yang diambil untuk berkontribusi dalam penghapusan pekerja anak yang efektif                                   |
| -pekerja paksa atau Wajib Kerja                    | HR6  | Operasi dan pemasok yang diidentifikasi berisiko tinggi melakukan pekerja paksa atau wajib kerja dan tindakan untuk berkontribusi dalam penghapusan segala bentuk pekerja paksa atau wajib kerja                       |
| -praktik pengamanan                                | HR7  | Persentase petugas pengamanan yang dilatih dalam kebijakan atau prosedur hak asasi manusia diorganisasi yang relevan dengan operasi                                                                                    |
| -hak adat                                          | HR8  | Jumlah total insiden pelanggaran yang melibatkan hak-hak masyarakat adat dan tindakan yang diambil                                                                                                                     |
| -Asesmen                                           | HR9  | Jumlah total dan persentase operasi yang telah melakukan review atau asesmen dampak hak asasi manusia                                                                                                                  |
| -asesmen pemasok atas hak asasi manusia            | HR10 | Persentase penapisan pemasok baru menggunakan kriteria hak asasi manusia                                                                                                                                               |
|                                                    | HR11 | Dampak negatif aktual dan potensial yang signifikan terhadap hak asasi manusia dalam rantai pemasok dan tindakan yang diambil                                                                                          |
| -Mekanisme Pengaduan Masalah Hak Asasi Manusia     | HR12 | Jumlah pengaduan tentang dampak terhadap hak asasi manusia yang diajukan, ditangani, dan diselesaikan melalui mekanisme pengaduan formal                                                                               |
| <b>SUB-KATEGORI: MASYARAKAT</b>                    |      |                                                                                                                                                                                                                        |

|                                                  |      |                                                                                                                                                                        |
|--------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -Masyarakat Lokal                                | SO1  | Persentase operasi dengan pelibatan masyarakat lokal, asesmen dampak, dan program pengembangan yang diterapkan                                                         |
|                                                  | SO2  | Operasi dengan dampak negatif aktual dan potensial yang signifikan terhadap masyarakat lokal                                                                           |
| -Anti-Korupsi                                    | SO3  | Jumlah total dan persentase operasi yang dinilai terhadap risiko terkait dengan korupsi dan risiko signifikan yang teridentifikasi                                     |
|                                                  | SO4  | Komunikasi dan pelatihan mengenai kebijakan dan prosedur anti-korupsi                                                                                                  |
|                                                  | SO5  | Insiden korupsi yang terbukti dan tindakan yang diambil                                                                                                                |
| -Kebijakan Publik                                | SO6  | Nilai total kontribusi politik berdasarkan negara dan penerima/penerima manfaat                                                                                        |
| -Anti Persaingan                                 | SO7  | Jumlah total tindakan hukum terkait Anti Persaingan, anti-trust, serta praktik monopoli dan hasilnya                                                                   |
| -Kepatuhan                                       | SO8  | Nilai moneter denda yang signifikan dan jumlah total sanksi non-moneter atas ketidakpatuhan terhadap undang-                                                           |
| -Asesmen Pemasok Atas Dampak Terhadap Masyarakat | SO9  | Persentase penapisan pemasok baru menggunakan kriteria untuk dampak terhadap masyarakat                                                                                |
|                                                  | SO10 | Dampak negatif aktual dan potensial yang signifikan terhadap masyarakat dalam rantai pasokan dan tindakan yang diambil                                                 |
| -Mekanisme Pengaduan Dampak Terhadap Masyarakat  | SO11 | Jumlah pengaduan tentang Dampak terhadap masyarakat yang diajukan, ditangani, dan diselesaikan melalui mekanisme pengaduan resmi                                       |
| <b>SUB-KATEGORI: TANGGUNG JAWAB ATAS PRODUK</b>  |      |                                                                                                                                                                        |
| -kesehatan keselamatan pelanggan                 | PR1  | Persentase kategori produk dan jasa yang signifikan dampaknya terhadap kesehatan dan keselamatan yang dinilai untuk peningkatan                                        |
|                                                  | PR2  | Total jumlah insiden ketidakpatuhan terhadap peraturan dan kode etik terkait dampak kesehatan dan keselamatan dari produk dan Jasa sepanjang daur hidup, menurut jenis |
| -Pelabelan Produk dan Jasa                       | PR3  | Jenis informasi produk dan jasa yang diharuskan oleh prosedur organisasi terkait dengan informasi dan pelabelan produk dan jasa, serta                                 |

|                       |     |                                                                                                                                                                  |
|-----------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       |     | persentase kategori produk dan jasa yang signifikan harus mengikuti persyaratan informasi sejenis                                                                |
|                       | PR4 | Jumlah total Insiden ketidakpatuhan terhadap peraturan dan koda sukarela terkait dengan informasi dan pelabelan produk dan jasa, menurut jenis hasil             |
|                       | PR5 | Hasil survei untuk mengukur kepuasan pelanggan                                                                                                                   |
| -Komunikasi Pemasaran | PR6 | Penjualan produk yang dilarang atau Disengketakan                                                                                                                |
|                       | PR7 | Jumlah total Insiden ketidakpatuhan terhadap peraturan dan koda sukarela tentang komunikasi pemasaran, termasuk iklan, promosi, dan sponsor, menurut jenis hasil |
| -Privasi Pelanggan    | PR8 | Jumlah total keluhan yang terbukti terkait dengan pelanggaran privasi pelanggan dan hilangnya data pelanggan                                                     |
| -Kepatuhan            | PR9 | Nilai moneter denda yang signifikan atas ketidakpatuhan terhadap undang-undang dan peraturan terkait                                                             |

**Lampiran 6. Tabel *Durbin-Watson* (DW),  $\alpha = 5\%$** 

| n  | k=1    |        | k=2    |        | k=3    |        | k=4    |        | k=5    |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|    | dL     | dU     | dL     | dU     | dL     | dU     | dL     | dU     | dL     | dU     |
| 6  | 0.6102 | 1.4002 |        |        |        |        |        |        |        |        |
| 7  | 0.6996 | 1.3564 | 0.4672 | 1.8964 |        |        |        |        |        |        |
| 8  | 0.7629 | 1.3324 | 0.5591 | 1.7771 | 0.3674 | 2.2866 |        |        |        |        |
| 9  | 0.8243 | 1.3199 | 0.6291 | 1.6993 | 0.4548 | 2.1282 | 0.2957 | 2.5881 |        |        |
| 10 | 0.8791 | 1.3197 | 0.6972 | 1.6413 | 0.5253 | 2.0163 | 0.3760 | 2.4137 | 0.2427 | 2.8217 |
| 11 | 0.9273 | 1.3241 | 0.7580 | 1.6044 | 0.5948 | 1.9280 | 0.4441 | 2.2833 | 0.3155 | 2.6446 |
| 12 | 0.9708 | 1.3314 | 0.8122 | 1.5794 | 0.6577 | 1.8640 | 0.5120 | 2.1766 | 0.3796 | 2.5061 |
| 13 | 1.0097 | 1.3404 | 0.8612 | 1.5621 | 0.7147 | 1.8159 | 0.5745 | 2.0943 | 0.4445 | 2.3897 |
| 14 | 1.0450 | 1.3503 | 0.9054 | 1.5507 | 0.7667 | 1.7788 | 0.6321 | 2.0296 | 0.5052 | 2.2959 |
| 15 | 1.0770 | 1.3605 | 0.9455 | 1.5432 | 0.8140 | 1.7501 | 0.6852 | 1.9774 | 0.5620 | 2.2198 |
| 16 | 1.1062 | 1.3709 | 0.9820 | 1.5386 | 0.8572 | 1.7277 | 0.7340 | 1.9351 | 0.6150 | 2.1567 |
| 17 | 1.1330 | 1.3812 | 1.0154 | 1.5361 | 0.8968 | 1.7101 | 0.7790 | 1.9005 | 0.6641 | 2.1041 |
| 18 | 1.1576 | 1.3913 | 1.0461 | 1.5353 | 0.9331 | 1.6961 | 0.8204 | 1.8719 | 0.7098 | 2.0600 |
| 19 | 1.1804 | 1.4012 | 1.0743 | 1.5355 | 0.9666 | 1.6851 | 0.8588 | 1.8482 | 0.7523 | 2.0226 |
| 20 | 1.2015 | 1.4107 | 1.1004 | 1.5367 | 0.9976 | 1.6763 | 0.8943 | 1.8283 | 0.7918 | 1.9908 |
| 21 | 1.2212 | 1.4200 | 1.1246 | 1.5385 | 1.0262 | 1.6694 | 0.9272 | 1.8116 | 0.8286 | 1.9635 |
| 22 | 1.2395 | 1.4289 | 1.1471 | 1.5408 | 1.0529 | 1.6640 | 0.9578 | 1.7974 | 0.8629 | 1.9400 |
| 23 | 1.2567 | 1.4375 | 1.1682 | 1.5435 | 1.0778 | 1.6597 | 0.9864 | 1.7855 | 0.8949 | 1.9196 |
| 24 | 1.2728 | 1.4458 | 1.1878 | 1.5464 | 1.1010 | 1.6565 | 1.0131 | 1.7753 | 0.9249 | 1.9018 |
| 25 | 1.2879 | 1.4537 | 1.2063 | 1.5495 | 1.1228 | 1.6540 | 1.0381 | 1.7666 | 0.9530 | 1.8863 |
| 26 | 1.3022 | 1.4614 | 1.2236 | 1.5528 | 1.1432 | 1.6523 | 1.0616 | 1.7591 | 0.9794 | 1.8727 |
| 27 | 1.3157 | 1.4688 | 1.2399 | 1.5562 | 1.1624 | 1.6510 | 1.0836 | 1.7527 | 1.0042 | 1.8608 |
| 28 | 1.3284 | 1.4759 | 1.2553 | 1.5596 | 1.1805 | 1.6503 | 1.1044 | 1.7473 | 1.0276 | 1.8502 |
| 29 | 1.3405 | 1.4828 | 1.2699 | 1.5631 | 1.1976 | 1.6499 | 1.1241 | 1.7426 | 1.0497 | 1.8409 |
| 30 | 1.3520 | 1.4894 | 1.2837 | 1.5666 | 1.2138 | 1.6498 | 1.1426 | 1.7386 | 1.0706 | 1.8326 |
| 31 | 1.3630 | 1.4957 | 1.2969 | 1.5701 | 1.2292 | 1.6500 | 1.1602 | 1.7352 | 1.0904 | 1.8252 |
| 32 | 1.3734 | 1.5019 | 1.3093 | 1.5736 | 1.2437 | 1.6505 | 1.1769 | 1.7323 | 1.1092 | 1.8187 |
| 33 | 1.3834 | 1.5078 | 1.3212 | 1.5770 | 1.2576 | 1.6511 | 1.1927 | 1.7298 | 1.1270 | 1.8128 |
| 34 | 1.3929 | 1.5136 | 1.3325 | 1.5805 | 1.2707 | 1.6519 | 1.2078 | 1.7277 | 1.1439 | 1.8076 |
| 35 | 1.4019 | 1.5191 | 1.3433 | 1.5838 | 1.2833 | 1.6528 | 1.2221 | 1.7259 | 1.1601 | 1.8029 |
| 36 | 1.4107 | 1.5245 | 1.3537 | 1.5872 | 1.2953 | 1.6539 | 1.2358 | 1.7245 | 1.1755 | 1.7987 |

|    |        |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 37 | 1.4190 | 1.5297 | 1.3635 | 1.5904 | 1.3068 | 1.6550 | 1.2489 | 1.7233 | 1.1901 | 1.7950 |
| 38 | 1.4270 | 1.5348 | 1.3730 | 1.5937 | 1.3177 | 1.6563 | 1.2614 | 1.7223 | 1.2042 | 1.7916 |
| 39 | 1.4347 | 1.5396 | 1.3821 | 1.5969 | 1.3283 | 1.6575 | 1.2734 | 1.7215 | 1.2176 | 1.7886 |
| 40 | 1.4421 | 1.5444 | 1.3908 | 1.6000 | 1.3384 | 1.6589 | 1.2848 | 1.7209 | 1.2305 | 1.7859 |
| 41 | 1.4493 | 1.5490 | 1.3992 | 1.6031 | 1.3480 | 1.6603 | 1.2958 | 1.7205 | 1.2428 | 1.7835 |
| 42 | 1.4562 | 1.5534 | 1.4073 | 1.6061 | 1.3573 | 1.6617 | 1.3064 | 1.7202 | 1.2546 | 1.7814 |
| 43 | 1.4628 | 1.5577 | 1.4151 | 1.6091 | 1.3663 | 1.6632 | 1.3166 | 1.7200 | 1.2660 | 1.7794 |
| 44 | 1.4692 | 1.5619 | 1.4226 | 1.6120 | 1.3749 | 1.6647 | 1.3263 | 1.7200 | 1.2769 | 1.7777 |
| 45 | 1.4754 | 1.5660 | 1.4298 | 1.6148 | 1.3832 | 1.6662 | 1.3357 | 1.7200 | 1.2874 | 1.7762 |
| 46 | 1.4814 | 1.5700 | 1.4368 | 1.6176 | 1.3912 | 1.6677 | 1.3448 | 1.7201 | 1.2976 | 1.7748 |
| 47 | 1.4872 | 1.5739 | 1.4435 | 1.6204 | 1.3989 | 1.6692 | 1.3535 | 1.7203 | 1.3073 | 1.7736 |
| 48 | 1.4928 | 1.5776 | 1.4500 | 1.6231 | 1.4064 | 1.6708 | 1.3619 | 1.7206 | 1.3167 | 1.7725 |
| 49 | 1.4982 | 1.5813 | 1.4564 | 1.6257 | 1.4136 | 1.6723 | 1.3701 | 1.7210 | 1.3258 | 1.7716 |
| 50 | 1.5035 | 1.5849 | 1.4625 | 1.6283 | 1.4206 | 1.6739 | 1.3779 | 1.7214 | 1.3346 | 1.7708 |
| 51 | 1.5086 | 1.5884 | 1.4684 | 1.6309 | 1.4273 | 1.6754 | 1.3855 | 1.7218 | 1.3431 | 1.7701 |
| 52 | 1.5135 | 1.5917 | 1.4741 | 1.6334 | 1.4339 | 1.6769 | 1.3929 | 1.7223 | 1.3512 | 1.7694 |
| 53 | 1.5183 | 1.5951 | 1.4797 | 1.6359 | 1.4402 | 1.6785 | 1.4000 | 1.7228 | 1.3592 | 1.7689 |
| 54 | 1.5230 | 1.5983 | 1.4851 | 1.6383 | 1.4464 | 1.6800 | 1.4069 | 1.7234 | 1.3669 | 1.7684 |
| 55 | 1.5276 | 1.6014 | 1.4903 | 1.6406 | 1.4523 | 1.6815 | 1.4136 | 1.7240 | 1.3743 | 1.7681 |
| 56 | 1.5320 | 1.6045 | 1.4954 | 1.6430 | 1.4581 | 1.6830 | 1.4201 | 1.7246 | 1.3815 | 1.7678 |
| 57 | 1.5363 | 1.6075 | 1.5004 | 1.6452 | 1.4637 | 1.6845 | 1.4264 | 1.7253 | 1.3885 | 1.7675 |
| 58 | 1.5405 | 1.6105 | 1.5052 | 1.6475 | 1.4692 | 1.6860 | 1.4325 | 1.7259 | 1.3953 | 1.7673 |
| 59 | 1.5446 | 1.6134 | 1.5099 | 1.6497 | 1.4745 | 1.6875 | 1.4385 | 1.7266 | 1.4019 | 1.7672 |
| 60 | 1.5485 | 1.6162 | 1.5144 | 1.6518 | 1.4797 | 1.6889 | 1.4443 | 1.7274 | 1.4083 | 1.7671 |
| 61 | 1.5524 | 1.6189 | 1.5189 | 1.6540 | 1.4847 | 1.6904 | 1.4499 | 1.7281 | 1.4146 | 1.7671 |
| 62 | 1.5562 | 1.6216 | 1.5232 | 1.6561 | 1.4896 | 1.6918 | 1.4554 | 1.7288 | 1.4206 | 1.7671 |
| 63 | 1.5599 | 1.6243 | 1.5274 | 1.6581 | 1.4943 | 1.6932 | 1.4607 | 1.7296 | 1.4265 | 1.7671 |
| 64 | 1.5635 | 1.6268 | 1.5315 | 1.6601 | 1.4990 | 1.6946 | 1.4659 | 1.7303 | 1.4322 | 1.7672 |
| 65 | 1.5670 | 1.6294 | 1.5355 | 1.6621 | 1.5035 | 1.6960 | 1.4709 | 1.7311 | 1.4378 | 1.7673 |
| 66 | 1.5704 | 1.6318 | 1.5395 | 1.6640 | 1.5079 | 1.6974 | 1.4758 | 1.7319 | 1.4433 | 1.7675 |
| 67 | 1.5738 | 1.6343 | 1.5433 | 1.6660 | 1.5122 | 1.6988 | 1.4806 | 1.7327 | 1.4486 | 1.7676 |
| 68 | 1.5771 | 1.6367 | 1.5470 | 1.6678 | 1.5164 | 1.7001 | 1.4853 | 1.7335 | 1.4537 | 1.7678 |
| 69 | 1.5803 | 1.6390 | 1.5507 | 1.6697 | 1.5205 | 1.7015 | 1.4899 | 1.7343 | 1.4588 | 1.7680 |
| 70 | 1.5834 | 1.6413 | 1.5542 | 1.6715 | 1.5245 | 1.7028 | 1.4943 | 1.7351 | 1.4637 | 1.7683 |

| n   | k=1    |        | k=2    |        | k=3    |        | k=4    |        | k=5    |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     | dL     | dU     | dL     | dU     | dL     | dU     | dL     | dU     | dL     | dU     |
| 71  | 1.5865 | 1.6435 | 1.5577 | 1.6733 | 1.5284 | 1.7041 | 1.4987 | 1.7358 | 1.4685 | 1.7685 |
| 72  | 1.5895 | 1.6457 | 1.5611 | 1.6751 | 1.5323 | 1.7054 | 1.5029 | 1.7366 | 1.4732 | 1.7688 |
| 73  | 1.5924 | 1.6479 | 1.5645 | 1.6768 | 1.5360 | 1.7067 | 1.5071 | 1.7375 | 1.4778 | 1.7691 |
| 74  | 1.5953 | 1.6500 | 1.5677 | 1.6785 | 1.5397 | 1.7079 | 1.5112 | 1.7383 | 1.4822 | 1.7694 |
| 75  | 1.5981 | 1.6521 | 1.5709 | 1.6802 | 1.5432 | 1.7092 | 1.5151 | 1.7390 | 1.4866 | 1.7698 |
| 76  | 1.6009 | 1.6541 | 1.5740 | 1.6819 | 1.5467 | 1.7104 | 1.5190 | 1.7399 | 1.4909 | 1.7701 |
| 77  | 1.6036 | 1.6561 | 1.5771 | 1.6835 | 1.5502 | 1.7117 | 1.5228 | 1.7407 | 1.4950 | 1.7704 |
| 78  | 1.6063 | 1.6581 | 1.5801 | 1.6851 | 1.5535 | 1.7129 | 1.5265 | 1.7415 | 1.4991 | 1.7708 |
| 79  | 1.6089 | 1.6601 | 1.5830 | 1.6867 | 1.5568 | 1.7141 | 1.5302 | 1.7423 | 1.5031 | 1.7712 |
| 80  | 1.6114 | 1.6620 | 1.5859 | 1.6882 | 1.5600 | 1.7153 | 1.5337 | 1.7430 | 1.5070 | 1.7716 |
| 81  | 1.6139 | 1.6639 | 1.5888 | 1.6898 | 1.5632 | 1.7164 | 1.5372 | 1.7438 | 1.5109 | 1.7720 |
| 82  | 1.6164 | 1.6657 | 1.5915 | 1.6913 | 1.5663 | 1.7176 | 1.5406 | 1.7446 | 1.5146 | 1.7724 |
| 83  | 1.6188 | 1.6675 | 1.5942 | 1.6928 | 1.5693 | 1.7187 | 1.5440 | 1.7454 | 1.5183 | 1.7728 |
| 84  | 1.6212 | 1.6693 | 1.5969 | 1.6942 | 1.5723 | 1.7199 | 1.5472 | 1.7462 | 1.5219 | 1.7732 |
| 85  | 1.6235 | 1.6711 | 1.5995 | 1.6957 | 1.5752 | 1.7210 | 1.5505 | 1.7470 | 1.5254 | 1.7736 |
| 86  | 1.6258 | 1.6728 | 1.6021 | 1.6971 | 1.5780 | 1.7221 | 1.5536 | 1.7478 | 1.5289 | 1.7740 |
| 87  | 1.6280 | 1.6745 | 1.6046 | 1.6985 | 1.5808 | 1.7232 | 1.5567 | 1.7485 | 1.5322 | 1.7745 |
| 88  | 1.6302 | 1.6762 | 1.6071 | 1.6999 | 1.5836 | 1.7243 | 1.5597 | 1.7493 | 1.5356 | 1.7749 |
| 89  | 1.6324 | 1.6778 | 1.6095 | 1.7013 | 1.5863 | 1.7254 | 1.5627 | 1.7501 | 1.5388 | 1.7754 |
| 90  | 1.6345 | 1.6794 | 1.6119 | 1.7026 | 1.5889 | 1.7264 | 1.5656 | 1.7508 | 1.5420 | 1.7758 |
| 91  | 1.6366 | 1.6810 | 1.6143 | 1.7040 | 1.5915 | 1.7275 | 1.5685 | 1.7516 | 1.5452 | 1.7763 |
| 92  | 1.6387 | 1.6826 | 1.6166 | 1.7053 | 1.5941 | 1.7285 | 1.5713 | 1.7523 | 1.5482 | 1.7767 |
| 93  | 1.6407 | 1.6841 | 1.6188 | 1.7066 | 1.5966 | 1.7295 | 1.5741 | 1.7531 | 1.5513 | 1.7772 |
| 94  | 1.6427 | 1.6857 | 1.6211 | 1.7078 | 1.5991 | 1.7306 | 1.5768 | 1.7538 | 1.5542 | 1.7776 |
| 95  | 1.6447 | 1.6872 | 1.6233 | 1.7091 | 1.6015 | 1.7316 | 1.5795 | 1.7546 | 1.5572 | 1.7781 |
| 96  | 1.6466 | 1.6887 | 1.6254 | 1.7103 | 1.6039 | 1.7326 | 1.5821 | 1.7553 | 1.5600 | 1.7785 |
| 97  | 1.6485 | 1.6901 | 1.6275 | 1.7116 | 1.6063 | 1.7335 | 1.5847 | 1.7560 | 1.5628 | 1.7790 |
| 98  | 1.6504 | 1.6916 | 1.6296 | 1.7128 | 1.6086 | 1.7345 | 1.5872 | 1.7567 | 1.5656 | 1.7795 |
| 99  | 1.6522 | 1.6930 | 1.6317 | 1.7140 | 1.6108 | 1.7355 | 1.5897 | 1.7575 | 1.5683 | 1.7799 |
| 100 | 1.6540 | 1.6944 | 1.6337 | 1.7152 | 1.6131 | 1.7364 | 1.5922 | 1.7582 | 1.5710 | 1.7804 |
| 101 | 1.6558 | 1.6958 | 1.6357 | 1.7163 | 1.6153 | 1.7374 | 1.5946 | 1.7589 | 1.5736 | 1.7809 |

|     |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 102 | 1.6576 | 1.6971 | 1.6376 | 1.7175 | 1.6174 | 1.7383 | 1.5969 | 1.7596 | 1.5762 | 1.7813 |
| 103 | 1.6593 | 1.6985 | 1.6396 | 1.7186 | 1.6196 | 1.7392 | 1.5993 | 1.7603 | 1.5788 | 1.7818 |
| 104 | 1.6610 | 1.6998 | 1.6415 | 1.7198 | 1.6217 | 1.7402 | 1.6016 | 1.7610 | 1.5813 | 1.7823 |
| 105 | 1.6627 | 1.7011 | 1.6433 | 1.7209 | 1.6237 | 1.7411 | 1.6038 | 1.7617 | 1.5837 | 1.7827 |
| 106 | 1.6644 | 1.7024 | 1.6452 | 1.7220 | 1.6258 | 1.7420 | 1.6061 | 1.7624 | 1.5861 | 1.7832 |
| 107 | 1.6660 | 1.7037 | 1.6470 | 1.7231 | 1.6277 | 1.7428 | 1.6083 | 1.7631 | 1.5885 | 1.7837 |
| 108 | 1.6676 | 1.7050 | 1.6488 | 1.7241 | 1.6297 | 1.7437 | 1.6104 | 1.7637 | 1.5909 | 1.7841 |
| 109 | 1.6692 | 1.7062 | 1.6505 | 1.7252 | 1.6317 | 1.7446 | 1.6125 | 1.7644 | 1.5932 | 1.7846 |
| 110 | 1.6708 | 1.7074 | 1.6523 | 1.7262 | 1.6336 | 1.7455 | 1.6146 | 1.7651 | 1.5955 | 1.7851 |
| 111 | 1.6723 | 1.7086 | 1.6540 | 1.7273 | 1.6355 | 1.7463 | 1.6167 | 1.7657 | 1.5977 | 1.7855 |
| 112 | 1.6738 | 1.7098 | 1.6557 | 1.7283 | 1.6373 | 1.7472 | 1.6187 | 1.7664 | 1.5999 | 1.7860 |
| 113 | 1.6753 | 1.7110 | 1.6574 | 1.7293 | 1.6391 | 1.7480 | 1.6207 | 1.7670 | 1.6021 | 1.7864 |
| 114 | 1.6768 | 1.7122 | 1.6590 | 1.7303 | 1.6410 | 1.7488 | 1.6227 | 1.7677 | 1.6042 | 1.7869 |
| 115 | 1.6783 | 1.7133 | 1.6606 | 1.7313 | 1.6427 | 1.7496 | 1.6246 | 1.7683 | 1.6063 | 1.7874 |
| 116 | 1.6797 | 1.7145 | 1.6622 | 1.7323 | 1.6445 | 1.7504 | 1.6265 | 1.7690 | 1.6084 | 1.7878 |
| 117 | 1.6812 | 1.7156 | 1.6638 | 1.7332 | 1.6462 | 1.7512 | 1.6284 | 1.7696 | 1.6105 | 1.7883 |
| 118 | 1.6826 | 1.7167 | 1.6653 | 1.7342 | 1.6479 | 1.7520 | 1.6303 | 1.7702 | 1.6125 | 1.7887 |
| 119 | 1.6839 | 1.7178 | 1.6669 | 1.7352 | 1.6496 | 1.7528 | 1.6321 | 1.7709 | 1.6145 | 1.7892 |
| 120 | 1.6853 | 1.7189 | 1.6684 | 1.7361 | 1.6513 | 1.7536 | 1.6339 | 1.7715 | 1.6164 | 1.7896 |
| 121 | 1.6867 | 1.7200 | 1.6699 | 1.7370 | 1.6529 | 1.7544 | 1.6357 | 1.7721 | 1.6184 | 1.7901 |
| 122 | 1.6880 | 1.7210 | 1.6714 | 1.7379 | 1.6545 | 1.7552 | 1.6375 | 1.7727 | 1.6203 | 1.7905 |
| 123 | 1.6893 | 1.7221 | 1.6728 | 1.7388 | 1.6561 | 1.7559 | 1.6392 | 1.7733 | 1.6222 | 1.7910 |
| 124 | 1.6906 | 1.7231 | 1.6743 | 1.7397 | 1.6577 | 1.7567 | 1.6409 | 1.7739 | 1.6240 | 1.7914 |
| 125 | 1.6919 | 1.7241 | 1.6757 | 1.7406 | 1.6592 | 1.7574 | 1.6426 | 1.7745 | 1.6258 | 1.7919 |
| 126 | 1.6932 | 1.7252 | 1.6771 | 1.7415 | 1.6608 | 1.7582 | 1.6443 | 1.7751 | 1.6276 | 1.7923 |
| 127 | 1.6944 | 1.7261 | 1.6785 | 1.7424 | 1.6623 | 1.7589 | 1.6460 | 1.7757 | 1.6294 | 1.7928 |
| 128 | 1.6957 | 1.7271 | 1.6798 | 1.7432 | 1.6638 | 1.7596 | 1.6476 | 1.7763 | 1.6312 | 1.7932 |
| 129 | 1.6969 | 1.7281 | 1.6812 | 1.7441 | 1.6653 | 1.7603 | 1.6492 | 1.7769 | 1.6329 | 1.7937 |
| 130 | 1.6981 | 1.7291 | 1.6825 | 1.7449 | 1.6667 | 1.7610 | 1.6508 | 1.7774 | 1.6346 | 1.7941 |
| 131 | 1.6993 | 1.7301 | 1.6838 | 1.7458 | 1.6682 | 1.7617 | 1.6523 | 1.7780 | 1.6363 | 1.7945 |
| 132 | 1.7005 | 1.7310 | 1.6851 | 1.7466 | 1.6696 | 1.7624 | 1.6539 | 1.7786 | 1.6380 | 1.7950 |
| 133 | 1.7017 | 1.7319 | 1.6864 | 1.7474 | 1.6710 | 1.7631 | 1.6554 | 1.7791 | 1.6397 | 1.7954 |
| 134 | 1.7028 | 1.7329 | 1.6877 | 1.7482 | 1.6724 | 1.7638 | 1.6569 | 1.7797 | 1.6413 | 1.7958 |
| 135 | 1.7040 | 1.7338 | 1.6889 | 1.7490 | 1.6738 | 1.7645 | 1.6584 | 1.7802 | 1.6429 | 1.7962 |

|     |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 136 | 1.7051 | 1.7347 | 1.6902 | 1.7498 | 1.6751 | 1.7652 | 1.6599 | 1.7808 | 1.6445 | 1.7967 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|

| n   | k=1    |        | k=2    |        | k=3    |        | k=4    |        | k=5    |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     | dL     | dU     | dL     | dU     | dL     | dU     | dL     | dU     | dL     | dU     |
| 137 | 1.7062 | 1.7356 | 1.6914 | 1.7506 | 1.6765 | 1.7659 | 1.6613 | 1.7813 | 1.6461 | 1.7971 |
| 138 | 1.7073 | 1.7365 | 1.6926 | 1.7514 | 1.6778 | 1.7665 | 1.6628 | 1.7819 | 1.6476 | 1.7975 |
| 139 | 1.7084 | 1.7374 | 1.6938 | 1.7521 | 1.6791 | 1.7672 | 1.6642 | 1.7824 | 1.6491 | 1.7979 |
| 140 | 1.7095 | 1.7382 | 1.6950 | 1.7529 | 1.6804 | 1.7678 | 1.6656 | 1.7830 | 1.6507 | 1.7984 |
| 141 | 1.7106 | 1.7391 | 1.6962 | 1.7537 | 1.6817 | 1.7685 | 1.6670 | 1.7835 | 1.6522 | 1.7988 |
| 142 | 1.7116 | 1.7400 | 1.6974 | 1.7544 | 1.6829 | 1.7691 | 1.6684 | 1.7840 | 1.6536 | 1.7992 |
| 143 | 1.7127 | 1.7408 | 1.6985 | 1.7552 | 1.6842 | 1.7697 | 1.6697 | 1.7846 | 1.6551 | 1.7996 |
| 144 | 1.7137 | 1.7417 | 1.6996 | 1.7559 | 1.6854 | 1.7704 | 1.6710 | 1.7851 | 1.6565 | 1.8000 |
| 145 | 1.7147 | 1.7425 | 1.7008 | 1.7566 | 1.6866 | 1.7710 | 1.6724 | 1.7856 | 1.6580 | 1.8004 |
| 146 | 1.7157 | 1.7433 | 1.7019 | 1.7574 | 1.6878 | 1.7716 | 1.6737 | 1.7861 | 1.6594 | 1.8008 |
| 147 | 1.7167 | 1.7441 | 1.7030 | 1.7581 | 1.6890 | 1.7722 | 1.6750 | 1.7866 | 1.6608 | 1.8012 |
| 148 | 1.7177 | 1.7449 | 1.7041 | 1.7588 | 1.6902 | 1.7729 | 1.6762 | 1.7871 | 1.6622 | 1.8016 |
| 149 | 1.7187 | 1.7457 | 1.7051 | 1.7595 | 1.6914 | 1.7735 | 1.6775 | 1.7876 | 1.6635 | 1.8020 |
| 150 | 1.7197 | 1.7465 | 1.7062 | 1.7602 | 1.6926 | 1.7741 | 1.6788 | 1.7881 | 1.6649 | 1.8024 |
| 151 | 1.7207 | 1.7473 | 1.7072 | 1.7609 | 1.6937 | 1.7747 | 1.6800 | 1.7886 | 1.6662 | 1.8028 |
| 152 | 1.7216 | 1.7481 | 1.7083 | 1.7616 | 1.6948 | 1.7752 | 1.6812 | 1.7891 | 1.6675 | 1.8032 |
| 153 | 1.7226 | 1.7488 | 1.7093 | 1.7622 | 1.6959 | 1.7758 | 1.6824 | 1.7896 | 1.6688 | 1.8036 |
| 154 | 1.7235 | 1.7496 | 1.7103 | 1.7629 | 1.6971 | 1.7764 | 1.6836 | 1.7901 | 1.6701 | 1.8040 |
| 155 | 1.7244 | 1.7504 | 1.7114 | 1.7636 | 1.6982 | 1.7770 | 1.6848 | 1.7906 | 1.6714 | 1.8044 |
| 156 | 1.7253 | 1.7511 | 1.7123 | 1.7642 | 1.6992 | 1.7776 | 1.6860 | 1.7911 | 1.6727 | 1.8048 |
| 157 | 1.7262 | 1.7519 | 1.7133 | 1.7649 | 1.7003 | 1.7781 | 1.6872 | 1.7915 | 1.6739 | 1.8052 |
| 158 | 1.7271 | 1.7526 | 1.7143 | 1.7656 | 1.7014 | 1.7787 | 1.6883 | 1.7920 | 1.6751 | 1.8055 |
| 159 | 1.7280 | 1.7533 | 1.7153 | 1.7662 | 1.7024 | 1.7792 | 1.6895 | 1.7925 | 1.6764 | 1.8059 |
| 160 | 1.7289 | 1.7541 | 1.7163 | 1.7668 | 1.7035 | 1.7798 | 1.6906 | 1.7930 | 1.6776 | 1.8063 |
| 161 | 1.7298 | 1.7548 | 1.7172 | 1.7675 | 1.7045 | 1.7804 | 1.6917 | 1.7934 | 1.6788 | 1.8067 |
| 162 | 1.7306 | 1.7555 | 1.7182 | 1.7681 | 1.7055 | 1.7809 | 1.6928 | 1.7939 | 1.6800 | 1.8070 |
| 163 | 1.7315 | 1.7562 | 1.7191 | 1.7687 | 1.7066 | 1.7814 | 1.6939 | 1.7943 | 1.6811 | 1.8074 |
| 164 | 1.7324 | 1.7569 | 1.7200 | 1.7693 | 1.7075 | 1.7820 | 1.6950 | 1.7948 | 1.6823 | 1.8078 |
| 165 | 1.7332 | 1.7576 | 1.7209 | 1.7700 | 1.7085 | 1.7825 | 1.6960 | 1.7953 | 1.6834 | 1.8082 |
| 166 | 1.7340 | 1.7582 | 1.7218 | 1.7706 | 1.7095 | 1.7831 | 1.6971 | 1.7957 | 1.6846 | 1.8085 |

|     |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 167 | 1.7348 | 1.7589 | 1.7227 | 1.7712 | 1.7105 | 1.7836 | 1.6982 | 1.7961 | 1.6857 | 1.8089 |
| 168 | 1.7357 | 1.7596 | 1.7236 | 1.7718 | 1.7115 | 1.7841 | 1.6992 | 1.7966 | 1.6868 | 1.8092 |
| 169 | 1.7365 | 1.7603 | 1.7245 | 1.7724 | 1.7124 | 1.7846 | 1.7002 | 1.7970 | 1.6879 | 1.8096 |
| 170 | 1.7373 | 1.7609 | 1.7254 | 1.7730 | 1.7134 | 1.7851 | 1.7012 | 1.7975 | 1.6890 | 1.8100 |
| 171 | 1.7381 | 1.7616 | 1.7262 | 1.7735 | 1.7143 | 1.7856 | 1.7023 | 1.7979 | 1.6901 | 1.8103 |
| 172 | 1.7389 | 1.7622 | 1.7271 | 1.7741 | 1.7152 | 1.7861 | 1.7033 | 1.7983 | 1.6912 | 1.8107 |
| 173 | 1.7396 | 1.7629 | 1.7279 | 1.7747 | 1.7162 | 1.7866 | 1.7042 | 1.7988 | 1.6922 | 1.8110 |
| 174 | 1.7404 | 1.7635 | 1.7288 | 1.7753 | 1.7171 | 1.7872 | 1.7052 | 1.7992 | 1.6933 | 1.8114 |
| 175 | 1.7412 | 1.7642 | 1.7296 | 1.7758 | 1.7180 | 1.7877 | 1.7062 | 1.7996 | 1.6943 | 1.8117 |
| 176 | 1.7420 | 1.7648 | 1.7305 | 1.7764 | 1.7189 | 1.7881 | 1.7072 | 1.8000 | 1.6954 | 1.8121 |
| 177 | 1.7427 | 1.7654 | 1.7313 | 1.7769 | 1.7197 | 1.7886 | 1.7081 | 1.8005 | 1.6964 | 1.8124 |
| 178 | 1.7435 | 1.7660 | 1.7321 | 1.7775 | 1.7206 | 1.7891 | 1.7091 | 1.8009 | 1.6974 | 1.8128 |
| 179 | 1.7442 | 1.7667 | 1.7329 | 1.7780 | 1.7215 | 1.7896 | 1.7100 | 1.8013 | 1.6984 | 1.8131 |
| 180 | 1.7449 | 1.7673 | 1.7337 | 1.7786 | 1.7224 | 1.7901 | 1.7109 | 1.8017 | 1.6994 | 1.8135 |
| 181 | 1.7457 | 1.7679 | 1.7345 | 1.7791 | 1.7232 | 1.7906 | 1.7118 | 1.8021 | 1.7004 | 1.8138 |
| 182 | 1.7464 | 1.7685 | 1.7353 | 1.7797 | 1.7241 | 1.7910 | 1.7128 | 1.8025 | 1.7014 | 1.8141 |
| 183 | 1.7471 | 1.7691 | 1.7360 | 1.7802 | 1.7249 | 1.7915 | 1.7137 | 1.8029 | 1.7023 | 1.8145 |
| 184 | 1.7478 | 1.7697 | 1.7368 | 1.7807 | 1.7257 | 1.7920 | 1.7146 | 1.8033 | 1.7033 | 1.8148 |
| 185 | 1.7485 | 1.7702 | 1.7376 | 1.7813 | 1.7266 | 1.7924 | 1.7155 | 1.8037 | 1.7042 | 1.8151 |
| 186 | 1.7492 | 1.7708 | 1.7384 | 1.7818 | 1.7274 | 1.7929 | 1.7163 | 1.8041 | 1.7052 | 1.8155 |
| 187 | 1.7499 | 1.7714 | 1.7391 | 1.7823 | 1.7282 | 1.7933 | 1.7172 | 1.8045 | 1.7061 | 1.8158 |
| 188 | 1.7506 | 1.7720 | 1.7398 | 1.7828 | 1.7290 | 1.7938 | 1.7181 | 1.8049 | 1.7070 | 1.8161 |
| 189 | 1.7513 | 1.7725 | 1.7406 | 1.7833 | 1.7298 | 1.7942 | 1.7189 | 1.8053 | 1.7080 | 1.8165 |
| 190 | 1.7520 | 1.7731 | 1.7413 | 1.7838 | 1.7306 | 1.7947 | 1.7198 | 1.8057 | 1.7089 | 1.8168 |
| 191 | 1.7526 | 1.7737 | 1.7420 | 1.7843 | 1.7314 | 1.7951 | 1.7206 | 1.8061 | 1.7098 | 1.8171 |
| 192 | 1.7533 | 1.7742 | 1.7428 | 1.7848 | 1.7322 | 1.7956 | 1.7215 | 1.8064 | 1.7107 | 1.8174 |
| 193 | 1.7540 | 1.7748 | 1.7435 | 1.7853 | 1.7329 | 1.7960 | 1.7223 | 1.8068 | 1.7116 | 1.8178 |
| 194 | 1.7546 | 1.7753 | 1.7442 | 1.7858 | 1.7337 | 1.7965 | 1.7231 | 1.8072 | 1.7124 | 1.8181 |
| 195 | 1.7553 | 1.7759 | 1.7449 | 1.7863 | 1.7345 | 1.7969 | 1.7239 | 1.8076 | 1.7133 | 1.8184 |
| 196 | 1.7559 | 1.7764 | 1.7456 | 1.7868 | 1.7352 | 1.7973 | 1.7247 | 1.8079 | 1.7142 | 1.8187 |
| 197 | 1.7566 | 1.7769 | 1.7463 | 1.7873 | 1.7360 | 1.7977 | 1.7255 | 1.8083 | 1.7150 | 1.8190 |
| 198 | 1.7572 | 1.7775 | 1.7470 | 1.7878 | 1.7367 | 1.7982 | 1.7263 | 1.8087 | 1.7159 | 1.8193 |
| 199 | 1.7578 | 1.7780 | 1.7477 | 1.7882 | 1.7374 | 1.7986 | 1.7271 | 1.8091 | 1.7167 | 1.8196 |
| 200 | 1.7584 | 1.7785 | 1.7483 | 1.7887 | 1.7382 | 1.7990 | 1.7279 | 1.8094 | 1.7176 | 1.8199 |

**Lampiran 7. Tabel Uji F**

| $\alpha = 0,05$ | df1=(k-1)   |         |             |         |         |             |         |         |
|-----------------|-------------|---------|-------------|---------|---------|-------------|---------|---------|
| df2=(n-k- 1)    | 1           | 2       | 3           | 4       | 5       | 6           | 7       | 8       |
| 1               | 161.44<br>8 | 199.500 | 215.70<br>7 | 224.583 | 230.162 | 233.98<br>6 | 236.768 | 238.883 |
| 2               | 18.513      | 19.000  | 19.164      | 19.247  | 19.296  | 19.330      | 19.353  | 19.371  |
| 3               | 10.128      | 9.552   | 9.277       | 9.117   | 9.013   | 8.941       | 8.887   | 8.845   |
| 4               | 7.709       | 6.944   | 6.591       | 6.388   | 6.256   | 6.163       | 6.094   | 6.041   |
| 5               | 6.608       | 5.786   | 5.409       | 5.192   | 5.050   | 4.950       | 4.876   | 4.818   |
| 6               | 5.987       | 5.143   | 4.757       | 4.534   | 4.387   | 4.284       | 4.207   | 4.147   |
| 7               | 5.591       | 4.737   | 4.347       | 4.120   | 3.972   | 3.866       | 3.787   | 3.726   |
| 8               | 5.318       | 4.459   | 4.066       | 3.838   | 3.687   | 3.581       | 3.500   | 3.438   |
| 9               | 5.117       | 4.256   | 3.863       | 3.633   | 3.482   | 3.374       | 3.293   | 3.230   |
| 10              | 4.965       | 4.103   | 3.708       | 3.478   | 3.326   | 3.217       | 3.135   | 3.072   |
| 11              | 4.844       | 3.982   | 3.587       | 3.357   | 3.204   | 3.095       | 3.012   | 2.948   |
| 12              | 4.747       | 3.885   | 3.490       | 3.259   | 3.106   | 2.996       | 2.913   | 2.849   |
| 13              | 4.667       | 3.806   | 3.411       | 3.179   | 3.025   | 2.915       | 2.832   | 2.767   |
| 14              | 4.600       | 3.739   | 3.344       | 3.112   | 2.958   | 2.848       | 2.764   | 2.699   |
| 15              | 4.543       | 3.682   | 3.287       | 3.056   | 2.901   | 2.790       | 2.707   | 2.641   |
| 16              | 4.494       | 3.634   | 3.239       | 3.007   | 2.852   | 2.741       | 2.657   | 2.591   |
| 17              | 4.451       | 3.592   | 3.197       | 2.965   | 2.810   | 2.699       | 2.614   | 2.548   |
| 18              | 4.414       | 3.555   | 3.160       | 2.928   | 2.773   | 2.661       | 2.577   | 2.510   |
| 19              | 4.381       | 3.522   | 3.127       | 2.895   | 2.740   | 2.628       | 2.544   | 2.477   |
| 20              | 4.351       | 3.493   | 3.098       | 2.866   | 2.711   | 2.599       | 2.514   | 2.447   |
| 21              | 4.325       | 3.467   | 3.072       | 2.840   | 2.685   | 2.573       | 2.488   | 2.420   |
| 22              | 4.301       | 3.443   | 3.049       | 2.817   | 2.661   | 2.549       | 2.464   | 2.397   |
| 23              | 4.279       | 3.422   | 3.028       | 2.796   | 2.640   | 2.528       | 2.442   | 2.375   |
| 24              | 4.260       | 3.403   | 3.009       | 2.776   | 2.621   | 2.508       | 2.423   | 2.355   |
| 25              | 4.242       | 3.385   | 2.991       | 2.759   | 2.603   | 2.490       | 2.405   | 2.337   |
| 26              | 4.225       | 3.369   | 2.975       | 2.743   | 2.587   | 2.474       | 2.388   | 2.321   |
| 27              | 4.210       | 3.354   | 2.960       | 2.728   | 2.572   | 2.459       | 2.373   | 2.305   |
| 28              | 4.196       | 3.340   | 2.947       | 2.714   | 2.558   | 2.445       | 2.359   | 2.291   |
| 29              | 4.183       | 3.328   | 2.934       | 2.701   | 2.545   | 2.432       | 2.346   | 2.278   |
| 30              | 4.171       | 3.316   | 2.922       | 2.690   | 2.534   | 2.421       | 2.334   | 2.266   |

|    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 31 | 4.160 | 3.305 | 2.911 | 2.679 | 2.523 | 2.409 | 2.323 | 2.255 |
| 32 | 4.149 | 3.295 | 2.901 | 2.668 | 2.512 | 2.399 | 2.313 | 2.244 |
| 33 | 4.139 | 3.285 | 2.892 | 2.659 | 2.503 | 2.389 | 2.303 | 2.235 |
| 34 | 4.130 | 3.276 | 2.883 | 2.650 | 2.494 | 2.380 | 2.294 | 2.225 |
| 35 | 4.121 | 3.267 | 2.874 | 2.641 | 2.485 | 2.372 | 2.285 | 2.217 |
| 36 | 4.113 | 3.259 | 2.866 | 2.634 | 2.477 | 2.364 | 2.277 | 2.209 |
| 37 | 4.105 | 3.252 | 2.859 | 2.626 | 2.470 | 2.356 | 2.270 | 2.201 |
| 38 | 4.098 | 3.245 | 2.852 | 2.619 | 2.463 | 2.349 | 2.262 | 2.194 |
| 39 | 4.091 | 3.238 | 2.845 | 2.612 | 2.456 | 2.342 | 2.255 | 2.187 |
| 40 | 4.085 | 3.232 | 2.839 | 2.606 | 2.449 | 2.336 | 2.249 | 2.180 |
| 41 | 4.079 | 3.226 | 2.833 | 2.600 | 2.443 | 2.330 | 2.243 | 2.174 |
| 42 | 4.073 | 3.220 | 2.827 | 2.594 | 2.438 | 2.324 | 2.237 | 2.168 |
| 43 | 4.067 | 3.214 | 2.822 | 2.589 | 2.432 | 2.318 | 2.232 | 2.163 |
| 44 | 4.062 | 3.209 | 2.816 | 2.584 | 2.427 | 2.313 | 2.226 | 2.157 |
| 45 | 4.057 | 3.204 | 2.812 | 2.579 | 2.422 | 2.308 | 2.221 | 2.152 |
| 46 | 4.052 | 3.200 | 2.807 | 2.574 | 2.417 | 2.304 | 2.216 | 2.147 |
| 47 | 4.047 | 3.195 | 2.802 | 2.570 | 2.413 | 2.299 | 2.212 | 2.143 |
| 48 | 4.043 | 3.191 | 2.798 | 2.565 | 2.409 | 2.295 | 2.207 | 2.138 |
| 49 | 4.038 | 3.187 | 2.794 | 2.561 | 2.404 | 2.290 | 2.203 | 2.134 |
| 50 | 4.034 | 3.183 | 2.790 | 2.557 | 2.400 | 2.286 | 2.199 | 2.130 |
| 51 | 4.030 | 3.179 | 2.786 | 2.553 | 2.397 | 2.283 | 2.195 | 2.126 |

|    |       |       |       |       |       |       |       |       |
|----|-------|-------|-------|-------|-------|-------|-------|-------|
| 52 | 4.027 | 3.175 | 2.783 | 2.550 | 2.393 | 2.279 | 2.192 | 2.122 |
| 53 | 4.023 | 3.172 | 2.779 | 2.546 | 2.389 | 2.275 | 2.188 | 2.119 |
| 54 | 4.020 | 3.168 | 2.776 | 2.543 | 2.386 | 2.272 | 2.185 | 2.115 |
| 55 | 4.016 | 3.165 | 2.773 | 2.540 | 2.383 | 2.269 | 2.181 | 2.112 |
| 56 | 4.013 | 3.162 | 2.769 | 2.537 | 2.380 | 2.266 | 2.178 | 2.109 |
| 57 | 4.010 | 3.159 | 2.766 | 2.534 | 2.377 | 2.263 | 2.175 | 2.106 |
| 58 | 4.007 | 3.156 | 2.764 | 2.531 | 2.374 | 2.260 | 2.172 | 2.103 |
| 59 | 4.004 | 3.153 | 2.761 | 2.528 | 2.371 | 2.257 | 2.169 | 2.100 |
| 60 | 4.001 | 3.150 | 2.758 | 2.525 | 2.368 | 2.254 | 2.167 | 2.097 |
| 61 | 3.998 | 3.148 | 2.755 | 2.523 | 2.366 | 2.251 | 2.164 | 2.094 |
| 62 | 3.996 | 3.145 | 2.753 | 2.520 | 2.363 | 2.249 | 2.161 | 2.092 |
| 63 | 3.993 | 3.143 | 2.751 | 2.518 | 2.361 | 2.246 | 2.159 | 2.089 |
| 64 | 3.991 | 3.140 | 2.748 | 2.515 | 2.358 | 2.244 | 2.156 | 2.087 |
| 65 | 3.989 | 3.138 | 2.746 | 2.513 | 2.356 | 2.242 | 2.154 | 2.084 |
| 66 | 3.986 | 3.136 | 2.744 | 2.511 | 2.354 | 2.239 | 2.152 | 2.082 |
| 67 | 3.984 | 3.134 | 2.742 | 2.509 | 2.352 | 2.237 | 2.150 | 2.080 |
| 68 | 3.982 | 3.132 | 2.740 | 2.507 | 2.350 | 2.235 | 2.148 | 2.078 |
| 69 | 3.980 | 3.130 | 2.737 | 2.505 | 2.348 | 2.233 | 2.145 | 2.076 |
| 70 | 3.978 | 3.128 | 2.736 | 2.503 | 2.346 | 2.231 | 2.143 | 2.074 |
| 71 | 3.976 | 3.126 | 2.734 | 2.501 | 2.344 | 2.229 | 2.142 | 2.072 |
| 72 | 3.974 | 3.124 | 2.732 | 2.499 | 2.342 | 2.227 | 2.140 | 2.070 |
| 73 | 3.972 | 3.122 | 2.730 | 2.497 | 2.340 | 2.226 | 2.138 | 2.068 |
| 74 | 3.970 | 3.120 | 2.728 | 2.495 | 2.338 | 2.224 | 2.136 | 2.066 |
| 75 | 3.968 | 3.119 | 2.727 | 2.494 | 2.337 | 2.222 | 2.134 | 2.064 |
| 76 | 3.967 | 3.117 | 2.725 | 2.492 | 2.335 | 2.220 | 2.133 | 2.063 |
| 77 | 3.965 | 3.115 | 2.723 | 2.490 | 2.333 | 2.219 | 2.131 | 2.061 |
| 78 | 3.963 | 3.114 | 2.722 | 2.489 | 2.332 | 2.217 | 2.129 | 2.059 |
| 79 | 3.962 | 3.112 | 2.720 | 2.487 | 2.330 | 2.216 | 2.128 | 2.058 |
| 80 | 3.960 | 3.111 | 2.719 | 2.486 | 2.329 | 2.214 | 2.126 | 2.056 |
| 81 | 3.959 | 3.109 | 2.717 | 2.484 | 2.327 | 2.213 | 2.125 | 2.055 |
| 82 | 3.957 | 3.108 | 2.716 | 2.483 | 2.326 | 2.211 | 2.123 | 2.053 |

|     |       |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| 83  | 3.956 | 3.107 | 2.715 | 2.482 | 2.324 | 2.210 | 2.122 | 2.052 |
| 84  | 3.955 | 3.105 | 2.713 | 2.480 | 2.323 | 2.209 | 2.121 | 2.051 |
| 85  | 3.953 | 3.104 | 2.712 | 2.479 | 2.322 | 2.207 | 2.119 | 2.049 |
| 86  | 3.952 | 3.103 | 2.711 | 2.478 | 2.321 | 2.206 | 2.118 | 2.048 |
| 87  | 3.951 | 3.101 | 2.709 | 2.476 | 2.319 | 2.205 | 2.117 | 2.047 |
| 88  | 3.949 | 3.100 | 2.708 | 2.475 | 2.318 | 2.203 | 2.115 | 2.045 |
| 89  | 3.948 | 3.099 | 2.707 | 2.474 | 2.317 | 2.202 | 2.114 | 2.044 |
| 90  | 3.947 | 3.098 | 2.706 | 2.473 | 2.316 | 2.201 | 2.113 | 2.043 |
| 91  | 3.946 | 3.097 | 2.705 | 2.472 | 2.315 | 2.200 | 2.112 | 2.042 |
| 92  | 3.945 | 3.095 | 2.704 | 2.471 | 2.313 | 2.199 | 2.111 | 2.041 |
| 93  | 3.943 | 3.094 | 2.703 | 2.470 | 2.312 | 2.198 | 2.110 | 2.040 |
| 94  | 3.942 | 3.093 | 2.701 | 2.469 | 2.311 | 2.197 | 2.109 | 2.038 |
| 95  | 3.941 | 3.092 | 2.700 | 2.467 | 2.310 | 2.196 | 2.108 | 2.037 |
| 96  | 3.940 | 3.091 | 2.699 | 2.466 | 2.309 | 2.195 | 2.106 | 2.036 |
| 97  | 3.939 | 3.090 | 2.698 | 2.465 | 2.308 | 2.194 | 2.105 | 2.035 |
| 98  | 3.938 | 3.089 | 2.697 | 2.465 | 2.307 | 2.193 | 2.104 | 2.034 |
| 99  | 3.937 | 3.088 | 2.696 | 2.464 | 2.306 | 2.192 | 2.103 | 2.033 |
| 100 | 3.936 | 3.087 | 2.696 | 2.463 | 2.305 | 2.191 | 2.103 | 2.032 |