

## LAMPIRAN

Lampiran 1. Daftar Populasi Perusahaan Sektor Perbankan

| No | Kode | Nama Perusahaan                |
|----|------|--------------------------------|
| 1  | AGRO | Bank Raya Indonesia Tbk.       |
| 2  | AGRS | Bank IBK Indonesia Tbk.        |
| 3  | AMAR | Bank Amar Indonesia Tbk.       |
| 4  | ARTO | Bank Jago Tbk.                 |
| 5  | BABP | Bank MNC Internasional Tbk.    |
| 6  | BACA | Bank Capital Indonesia Tbk.    |
| 7  | BANK | Bank Aladin Syariah Tbk.       |
| 8  | BBCA | Bank Central Asia Tbk.         |
| 9  | BBHI | Allo Bank Indonesia Tbk.       |
| 10 | BBKP | Bank KB Bukopin Tbk.           |
| 11 | BBMD | Bank Mestika Dharma Tbk.       |
| 12 | BBNI | Bank Negara Indonesia (Persero |
| 13 | BBRI | Bank Rakyat Indonesia (Persero |
| 14 | BBSI | Krom Bank Indonesia Tbk.       |
| 15 | BBTN | Bank Tabungan Negara (Persero) |
| 16 | BBYB | Bank Neo Commerce Tbk.         |
| 17 | BCIC | Bank JTrust Indonesia Tbk.     |
| 18 | BDMN | Bank Danamon Indonesia Tbk.    |
| 19 | BEKS | Bank Pembangunan Daerah Banten |
| 20 | BGTG | Bank Ganesha Tbk.              |
| 21 | BINA | Bank Ina Perdana Tbk.          |
| 22 | BJBR | Bank Pembangunan Daerah Jawa B |
| 23 | BJTM | Bank Pembangunan Daerah Jawa T |
| 24 | BKSW | Bank QNB Indonesia Tbk.        |
| 25 | BMAS | Bank Maspion Indonesia Tbk.    |
| 26 | BMRI | Bank Mandiri (Persero) Tbk.    |
| 27 | BNBA | Bank Bumi Arta Tbk.            |
| 28 | BNGA | Bank CIMB Niaga Tbk.           |
| 29 | BNII | Bank Maybank Indonesia Tbk.    |
| 30 | BNLI | Bank Permata Tbk.              |
| 31 | BRIS | Bank Syariah Indonesia Tbk.    |
| 32 | BSIM | Bank Sinarmas Tbk.             |
| 33 | BSWD | Bank Of India Indonesia Tbk.   |

|    |      |                                |
|----|------|--------------------------------|
| 34 | BTPN | Bank BTPN Tbk.                 |
| 35 | BTPS | Bank BTPN Syariah Tbk.         |
| 36 | BVIC | Bank Victoria International Tb |
| 37 | DNAR | Bank Oke Indonesia Tbk.        |
| 38 | INPC | Bank Artha Graha Internasional |
| 39 | MASB | Bank Multiarta Sentosa Tbk.    |
| 40 | MAYA | Bank Mayapada Internasional Tb |
| 41 | MCOR | Bank China Construction Bank I |
| 42 | MEGA | Bank Mega Tbk.                 |
| 43 | NISP | Bank OCBC NISP Tbk.            |
| 44 | NOBU | Bank Nationalnobu Tbk.         |
| 45 | PNBN | Bank Pan Indonesia Tbk         |
| 46 | PNBS | Bank Panin Dubai Syariah Tbk.  |
| 47 | SDRA | Bank Woori Saudara Indonesia 1 |

Lampiran 2. Daftar Sampel Perusahaan Sektor Perbankan Tahun 2021-2023

| No | Kode | Nama Perusahaan                |
|----|------|--------------------------------|
| 1  | AGRS | Bank IBK Indonesia Tbk.        |
| 2  | ARTO | Bank Jago Tbk.                 |
| 3  | BABP | Bank MNC Internasional Tbk.    |
| 4  | BACA | Bank Capital Indonesia Tbk.    |
| 5  | BBCA | Bank Central Asia Tbk.         |
| 6  | BBHI | Allo Bank Indonesia Tbk.       |
| 7  | BBMD | Bank Mestika Dharma Tbk.       |
| 8  | BBNI | Bank Negara Indonesia (Persero |
| 9  | BBRI | Bank Rakyat Indonesia (Persero |
| 10 | BBSI | Krom Bank Indonesia Tbk.       |
| 11 | BBTN | Bank Tabungan Negara (Persero) |
| 12 | BDMN | Bank Danamon Indonesia Tbk.    |
| 13 | BGTG | Bank Ganesha Tbk.              |
| 14 | BINA | Bank Ina Perdana Tbk.          |
| 15 | BJBR | Bank Pembangunan Daerah Jawa B |
| 16 | BJTM | Bank Pembangunan Daerah Jawa T |
| 17 | BMAS | Bank Maspion Indonesia Tbk.    |
| 18 | BMRI | Bank Mandiri (Persero) Tbk.    |
| 19 | BNBA | Bank Bumi Arta Tbk.            |
| 20 | BNGA | Bank CIMB Niaga Tbk.           |
| 21 | BNII | Bank Maybank Indonesia Tbk.    |
| 22 | BNLI | Bank Permata Tbk.              |
| 23 | BRIS | Bank Syariah Indonesia Tbk.    |
| 24 | BSIM | Bank Sinarmas Tbk.             |
| 25 | BSWD | Bank Of India Indonesia Tbk.   |
| 26 | BTPN | Bank BTPN Tbk.                 |
| 27 | BTPS | Bank BTPN Syariah Tbk.         |
| 28 | DNAR | Bank Oke Indonesia Tbk.        |
| 29 | MASB | Bank Multiarta Sentosa Tbk.    |
| 30 | MAYA | Bank Mayapada Internasional Tb |
| 31 | MCOR | Bank China Construction Bank I |
| 32 | MEGA | Bank Mega Tbk.                 |
| 33 | NISP | Bank OCBC NISP Tbk.            |
| 34 | NOBU | Bank Nationalnobu Tbk.         |
| 35 | PNBN | Bank Pan Indonesia Tbk         |

|    |      |                                |
|----|------|--------------------------------|
| 36 | SDRA | Bank Woori Saudara Indonesia 1 |
|----|------|--------------------------------|

Lampiran 3. Tabulasi Penelitian Variabel

| Tahun | Kode | Nama Perusahaan                | X1 | X2       | X3 | Y |
|-------|------|--------------------------------|----|----------|----|---|
| 2021  | AGRS | Bank IBK Indonesia Tbk.        | 1  | 0.01914  | 4  | 1 |
| 2021  | ARTO | Bank Jago Tbk.                 | 1  | 0.01136  | 4  | 1 |
| 2021  | BABP | Bank MNC Internasional Tbk.    | 0  | 0.01559  | 3  | 0 |
| 2021  | BACA | Bank Capital Indonesia Tbk.    | 1  | 0.00048  | 3  | 1 |
| 2021  | BBCA | Bank Central Asia Tbk.         | 1  | 28.61109 | 5  | 0 |
| 2021  | BBHI | Allo Bank Indonesia Tbk.       | 1  | 0.00644  | 2  | 0 |
| 2021  | BBMD | Bank Mestika Dharma Tbk.       | 0  | 0.01064  | 4  | 1 |
| 2021  | BBNI | Bank Negara Indonesia (Persero | 1  | 2.42610  | 10 | 0 |
| 2021  | BBRI | Bank Rakyat Indonesia (Persero | 1  | 0.20873  | 10 | 0 |
| 2021  | BBSI | Krom Bank Indonesia Tbk.       | 1  | 0.00340  | 3  | 0 |
| 2021  | BBTN | Bank Tabungan Negara (Persero) | 1  | 0.04062  | 7  | 0 |
| 2021  | BDMN | Bank Danamon Indonesia Tbk.    | 1  | 0.03743  | 8  | 0 |
| 2021  | BGTG | Bank Ganesha Tbk.              | 1  | 0.01345  | 3  | 0 |
| 2021  | BINA | Bank Ina Perdana Tbk.          | 1  | 0.01093  | 3  | 0 |
| 2021  | BJBR | Bank Pembangunan Daerah Jawa B | 1  | 0.01381  | 5  | 0 |
| 2021  | BJTM | Bank Pembangunan Daerah Jawa T | 1  | 0.02074  | 6  | 0 |
| 2021  | BMAS | Bank Maspion Indonesia Tbk.    | 1  | 0.00288  | 2  | 0 |
| 2021  | BMRI | Bank Mandiri (Persero) Tbk.    | 1  | 0.01387  | 10 | 0 |
| 2021  | BNBA | Bank Bumi Arta Tbk.            | 1  | 0.00001  | 3  | 1 |
| 2021  | BNGA | Bank CIMB Niaga Tbk.           | 1  | 0.03887  | 6  | 0 |
| 2021  | BNII | Bank Maybank Indonesia Tbk.    | 1  | 0.01997  | 7  | 1 |
| 2021  | BNLI | Bank Permata Tbk.              | 1  | 0.04281  | 7  | 1 |
| 2021  | BRIS | Bank Syariah Indonesia Tbk.    | 1  | 0.00007  | 9  | 1 |
| 2021  | BSIM | Bank Sinarmas Tbk.             | 1  | 0.03521  | 3  | 0 |
| 2021  | BSWD | Bank Of India Indonesia Tbk.   | 1  | 0.04338  | 4  | 0 |
| 2021  | BTPN | Bank BTPN Tbk.                 | 1  | 0.02112  | 5  | 1 |
| 2021  | BTPS | Bank BTPN Syariah Tbk.         | 1  | 0.04095  | 4  | 1 |
| 2021  | DNAR | Bank Oke Indonesia Tbk.        | 1  | 0.01170  | 3  | 1 |
| 2021  | MASB | Bank Multiarta Sentosa Tbk.    | 1  | 0.01122  | 3  | 1 |
| 2021  | MAYA | Bank Mayapada Internasional Tb | 1  | 0.01402  | 3  | 0 |
| 2021  | MCOR | Bank China Construction Bank I | 1  | 0.01177  | 4  | 1 |
| 2021  | MEGA | Bank Mega Tbk.                 | 1  | 0.00432  | 5  | 1 |
| 2021  | NISP | Bank OCBC NISP Tbk.            | 1  | 0.01109  | 8  | 0 |
| 2021  | NOBU | Bank Nationalnobu Tbk.         | 1  | 0.00297  | 3  | 1 |
| 2021  | PNBN | Bank Pan Indonesia Tbk         | 1  | 0.03078  | 6  | 0 |
| 2021  | SDRA | Bank Woori Saudara Indonesia 1 | 1  | 0.00992  | 3  | 1 |
| 2022  | AGRS | Bank IBK Indonesia Tbk.        | 1  | 0.01247  | 4  | 1 |

|      |      |                                |   |          |    |   |
|------|------|--------------------------------|---|----------|----|---|
| 2022 | ARTO | Bank Jago Tbk.                 | 1 | 0.01804  | 4  | 1 |
| 2022 | BABP | Bank MNC Internasional Tbk.    | 1 | 0.01466  | 4  | 0 |
| 2022 | BACA | Bank Capital Indonesia Tbk.    | 1 | 0.00106  | 2  | 1 |
| 2022 | BBCA | Bank Central Asia Tbk.         | 1 | 28.93721 | 5  | 0 |
| 2022 | BBHI | Allo Bank Indonesia Tbk.       | 1 | 0.00503  | 3  | 0 |
| 2022 | BBMD | Bank Mestika Dharma Tbk.       | 1 | 0.01066  | 4  | 1 |
| 2022 | BBNI | Bank Negara Indonesia (Persero | 1 | 2.32769  | 10 | 0 |
| 2022 | BBRI | Bank Rakyat Indonesia (Persero | 1 | 0.23850  | 10 | 0 |
| 2022 | BBSI | Krom Bank Indonesia Tbk.       | 1 | 0.00211  | 3  | 0 |
| 2022 | BBTN | Bank Tabungan Negara (Persero) | 1 | 0.03507  | 8  | 0 |
| 2022 | BDMN | Bank Danamon Indonesia Tbk.    | 1 | 0.04021  | 7  | 0 |
| 2022 | BGTG | Bank Ganesha Tbk.              | 1 | 0.00969  | 3  | 0 |
| 2022 | BINA | Bank Ina Perdana Tbk.          | 1 | 0.01250  | 3  | 0 |
| 2022 | BJBR | Bank Pembangunan Daerah Jawa B | 1 | 0.01053  | 5  | 0 |
| 2022 | BJTM | Bank Pembangunan Daerah Jawa T | 1 | 0.01400  | 5  | 0 |
| 2022 | BMAS | Bank Maspion Indonesia Tbk.    | 1 | 0.00362  | 5  | 0 |
| 2022 | BMRI | Bank Mandiri (Persero) Tbk.    | 1 | 0.00952  | 10 | 0 |
| 2022 | BNBA | Bank Bumi Arta Tbk.            | 1 | 0.01400  | 4  | 1 |
| 2022 | BNGA | Bank CIMB Niaga Tbk.           | 1 | 0.03759  | 6  | 0 |
| 2022 | BNII | Bank Maybank Indonesia Tbk.    | 1 | 0.02228  | 8  | 1 |
| 2022 | BNLI | Bank Permata Tbk.              | 1 | 0.05352  | 7  | 1 |
| 2022 | BRIS | Bank Syariah Indonesia Tbk.    | 1 | 0.00004  | 9  | 1 |
| 2022 | BSIM | Bank Sinarmas Tbk.             | 1 | 0.05435  | 3  | 0 |
| 2022 | BSWD | Bank Of India Indonesia Tbk.   | 1 | 0.04026  | 4  | 0 |
| 2022 | BTPN | Bank BTPN Tbk.                 | 1 | 0.01753  | 6  | 1 |
| 2022 | BTPS | Bank BTPN Syariah Tbk.         | 1 | 0.03956  | 4  | 1 |
| 2022 | DNAR | Bank Oke Indonesia Tbk.        | 1 | 0.01355  | 3  | 1 |
| 2022 | MASB | Bank Multiarta Sentosa Tbk.    | 1 | 0.01188  | 3  | 1 |
| 2022 | MAYA | Bank Mayapada Internasional Tb | 1 | 0.01480  | 3  | 0 |
| 2022 | MCOR | Bank China Construction Bank I | 1 | 0.01902  | 4  | 1 |
| 2022 | MEGA | Bank Mega Tbk.                 | 1 | 0.00466  | 4  | 1 |
| 2022 | NISP | Bank OCBC NISP Tbk.            | 1 | 0.00749  | 8  | 0 |
| 2022 | NOBU | Bank Nationalnobu Tbk.         | 1 | 0.00378  | 3  | 1 |
| 2022 | PNBN | Bank Pan Indonesia Tbk         | 1 | 0.03578  | 6  | 0 |
| 2022 | SDRA | Bank Woori Saudara Indonesia 1 | 1 | 0.01342  | 4  | 1 |
| 2023 | AGRS | Bank IBK Indonesia Tbk.        | 1 | 0.01263  | 4  | 1 |
| 2023 | ARTO | Bank Jago Tbk.                 | 1 | 0.01325  | 4  | 1 |
| 2023 | BABP | Bank MNC Internasional Tbk.    | 1 | 0.01444  | 4  | 0 |
| 2023 | BACA | Bank Capital Indonesia Tbk.    | 1 | 0.00298  | 3  | 1 |
| 2023 | BBCA | Bank Central Asia Tbk.         | 1 | 26.30569 | 5  | 0 |

|      |      |                                |   |         |    |   |
|------|------|--------------------------------|---|---------|----|---|
| 2023 | BBHI | Allo Bank Indonesia Tbk.       | 1 | 0.00510 | 3  | 0 |
| 2023 | BBMD | Bank Mestika Dharma Tbk.       | 1 | 0.01054 | 4  | 1 |
| 2023 | BBNI | Bank Negara Indonesia (Persero | 1 | 2.00939 | 11 | 0 |
| 2023 | BBRI | Bank Rakyat Indonesia (Persero | 1 | 0.23897 | 10 | 0 |
| 2023 | BBSI | Krom Bank Indonesia Tbk.       | 1 | 0.04708 | 3  | 0 |
| 2023 | BBTN | Bank Tabungan Negara (Persero) | 1 | 0.03235 | 8  | 0 |
| 2023 | BDMN | Bank Danamon Indonesia Tbk.    | 1 | 0.03827 | 6  | 0 |
| 2023 | BGTG | Bank Ganesha Tbk.              | 1 | 0.02461 | 4  | 0 |
| 2023 | BINA | Bank Ina Perdana Tbk.          | 1 | 0.01474 | 3  | 0 |
| 2023 | BJBR | Bank Pembangunan Daerah Jawa B | 1 | 0.01173 | 6  | 0 |
| 2023 | BJTM | Bank Pembangunan Daerah Jawa T | 1 | 0.01385 | 6  | 0 |
| 2023 | BMAS | Bank Maspion Indonesia Tbk.    | 1 | 0.06570 | 5  | 0 |
| 2023 | BMRI | Bank Mandiri (Persero) Tbk.    | 1 | 0.00588 | 11 | 0 |
| 2023 | BNBA | Bank Bumi Arta Tbk.            | 1 | 0.01792 | 4  | 1 |
| 2023 | BNGA | Bank CIMB Niaga Tbk.           | 1 | 0.03041 | 7  | 0 |
| 2023 | BNII | Bank Maybank Indonesia Tbk.    | 1 | 0.02120 | 8  | 1 |
| 2023 | BNLI | Bank Permata Tbk.              | 1 | 0.05859 | 8  | 1 |
| 2023 | BRIS | Bank Syariah Indonesia Tbk.    | 1 | 0.00041 | 9  | 1 |
| 2023 | BSIM | Bank Sinarmas Tbk.             | 1 | 0.00395 | 3  | 0 |
| 2023 | BSWD | Bank Of India Indonesia Tbk.   | 1 | 0.03105 | 3  | 0 |
| 2023 | BTPN | Bank BTPN Tbk.                 | 1 | 0.02340 | 6  | 1 |
| 2023 | BTPS | Bank BTPN Syariah Tbk.         | 1 | 0.05977 | 4  | 1 |
| 2023 | DNAR | Bank Oke Indonesia Tbk.        | 1 | 0.01989 | 3  | 1 |
| 2023 | MASB | Bank Multiarta Sentosa Tbk.    | 1 | 0.00741 | 4  | 1 |
| 2023 | MAYA | Bank Mayapada Internasional Tb | 1 | 0.01096 | 3  | 0 |
| 2023 | MCOR | Bank China Construction Bank I | 1 | 0.01925 | 4  | 1 |
| 2023 | MEGA | Bank Mega Tbk.                 | 1 | 0.00006 | 5  | 1 |
| 2023 | NISP | Bank OCBC NISP Tbk.            | 1 | 0.00474 | 8  | 0 |
| 2023 | NOBU | Bank Nationalnobu Tbk.         | 1 | 0.00414 | 3  | 1 |
| 2023 | PNBN | Bank Pan Indonesia Tbk         | 1 | 0.04255 | 6  | 0 |
| 2023 | SDRA | Bank Woori Saudara Indonesia 1 | 1 | 0.01462 | 4  | 1 |

Lampiran 4. Tabel darbin watson

| 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 |



| 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 |

## Lampiran 5. Presentase Distribusi F

| df untuk<br>penyebut<br>(N2) | df untuk pembilang (N1) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                              | 1                       | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
| 1                            | 161                     | 199   | 216   | 225   | 230   | 234   | 237   | 239   | 241   | 242   | 243   | 244   | 245   | 245   | 246   |
| 2                            | 18.51                   | 19.00 | 19.16 | 19.25 | 19.30 | 19.33 | 19.35 | 19.37 | 19.38 | 19.40 | 19.40 | 19.41 | 19.42 | 19.42 | 19.43 |
| 3                            | 10.13                   | 9.55  | 9.28  | 9.12  | 9.01  | 8.94  | 8.89  | 8.85  | 8.81  | 8.79  | 8.76  | 8.74  | 8.73  | 8.71  | 8.70  |
| 4                            | 7.71                    | 6.94  | 6.59  | 6.39  | 6.26  | 6.16  | 6.09  | 6.04  | 6.00  | 5.96  | 5.94  | 5.91  | 5.89  | 5.87  | 5.86  |
| 5                            | 6.61                    | 5.79  | 5.41  | 5.19  | 5.05  | 4.95  | 4.88  | 4.82  | 4.77  | 4.74  | 4.70  | 4.68  | 4.66  | 4.64  | 4.62  |
| 6                            | 5.99                    | 5.14  | 4.76  | 4.53  | 4.39  | 4.28  | 4.21  | 4.15  | 4.10  | 4.06  | 4.03  | 4.00  | 3.98  | 3.96  | 3.94  |
| 7                            | 5.59                    | 4.74  | 4.35  | 4.12  | 3.97  | 3.87  | 3.79  | 3.73  | 3.68  | 3.64  | 3.60  | 3.57  | 3.55  | 3.53  | 3.51  |
| 8                            | 5.32                    | 4.46  | 4.07  | 3.84  | 3.69  | 3.58  | 3.50  | 3.44  | 3.39  | 3.35  | 3.31  | 3.28  | 3.26  | 3.24  | 3.22  |
| 9                            | 5.12                    | 4.26  | 3.86  | 3.63  | 3.48  | 3.37  | 3.29  | 3.23  | 3.18  | 3.14  | 3.10  | 3.07  | 3.05  | 3.03  | 3.01  |
| 10                           | 4.96                    | 4.10  | 3.71  | 3.48  | 3.33  | 3.22  | 3.14  | 3.07  | 3.02  | 2.98  | 2.94  | 2.91  | 2.89  | 2.86  | 2.85  |
| 11                           | 4.84                    | 3.98  | 3.59  | 3.36  | 3.20  | 3.09  | 3.01  | 2.95  | 2.90  | 2.85  | 2.82  | 2.79  | 2.76  | 2.74  | 2.72  |
| 12                           | 4.75                    | 3.89  | 3.49  | 3.26  | 3.11  | 3.00  | 2.91  | 2.85  | 2.80  | 2.75  | 2.72  | 2.69  | 2.66  | 2.64  | 2.62  |
| 13                           | 4.67                    | 3.81  | 3.41  | 3.18  | 3.03  | 2.92  | 2.83  | 2.77  | 2.71  | 2.67  | 2.63  | 2.60  | 2.58  | 2.55  | 2.53  |
| 14                           | 4.60                    | 3.74  | 3.34  | 3.11  | 2.96  | 2.85  | 2.76  | 2.70  | 2.65  | 2.60  | 2.57  | 2.53  | 2.51  | 2.48  | 2.46  |
| 15                           | 4.54                    | 3.68  | 3.29  | 3.06  | 2.90  | 2.79  | 2.71  | 2.64  | 2.59  | 2.54  | 2.51  | 2.48  | 2.45  | 2.42  | 2.40  |
| 16                           | 4.49                    | 3.63  | 3.24  | 3.01  | 2.85  | 2.74  | 2.66  | 2.59  | 2.54  | 2.49  | 2.46  | 2.42  | 2.40  | 2.37  | 2.35  |
| 17                           | 4.45                    | 3.59  | 3.20  | 2.96  | 2.81  | 2.70  | 2.61  | 2.55  | 2.49  | 2.45  | 2.41  | 2.38  | 2.35  | 2.33  | 2.31  |
| 18                           | 4.41                    | 3.55  | 3.16  | 2.93  | 2.77  | 2.66  | 2.58  | 2.51  | 2.46  | 2.41  | 2.37  | 2.34  | 2.31  | 2.29  | 2.27  |
| 19                           | 4.38                    | 3.52  | 3.13  | 2.90  | 2.74  | 2.63  | 2.54  | 2.48  | 2.42  | 2.38  | 2.34  | 2.31  | 2.28  | 2.26  | 2.23  |
| 20                           | 4.35                    | 3.49  | 3.10  | 2.87  | 2.71  | 2.60  | 2.51  | 2.45  | 2.39  | 2.35  | 2.31  | 2.28  | 2.25  | 2.22  | 2.20  |
| 21                           | 4.32                    | 3.47  | 3.07  | 2.84  | 2.68  | 2.57  | 2.49  | 2.42  | 2.37  | 2.32  | 2.28  | 2.25  | 2.22  | 2.20  | 2.18  |
| 22                           | 4.30                    | 3.44  | 3.05  | 2.82  | 2.66  | 2.55  | 2.46  | 2.40  | 2.34  | 2.30  | 2.26  | 2.23  | 2.20  | 2.17  | 2.15  |
| 23                           | 4.28                    | 3.42  | 3.03  | 2.80  | 2.64  | 2.53  | 2.44  | 2.37  | 2.32  | 2.27  | 2.24  | 2.20  | 2.18  | 2.15  | 2.13  |
| 24                           | 4.26                    | 3.40  | 3.01  | 2.78  | 2.62  | 2.51  | 2.42  | 2.36  | 2.30  | 2.25  | 2.22  | 2.18  | 2.15  | 2.13  | 2.11  |
| 25                           | 4.24                    | 3.39  | 2.99  | 2.76  | 2.60  | 2.49  | 2.40  | 2.34  | 2.28  | 2.24  | 2.20  | 2.16  | 2.14  | 2.11  | 2.09  |
| 26                           | 4.23                    | 3.37  | 2.98  | 2.74  | 2.59  | 2.47  | 2.39  | 2.32  | 2.27  | 2.22  | 2.18  | 2.15  | 2.12  | 2.09  | 2.07  |
| 27                           | 4.21                    | 3.35  | 2.96  | 2.73  | 2.57  | 2.46  | 2.37  | 2.31  | 2.25  | 2.20  | 2.17  | 2.13  | 2.10  | 2.08  | 2.06  |
| 28                           | 4.20                    | 3.34  | 2.95  | 2.71  | 2.56  | 2.45  | 2.36  | 2.29  | 2.24  | 2.19  | 2.15  | 2.12  | 2.09  | 2.06  | 2.04  |
| 29                           | 4.18                    | 3.33  | 2.93  | 2.70  | 2.55  | 2.43  | 2.35  | 2.28  | 2.22  | 2.18  | 2.14  | 2.10  | 2.08  | 2.05  | 2.03  |
| 30                           | 4.17                    | 3.32  | 2.92  | 2.69  | 2.53  | 2.42  | 2.33  | 2.27  | 2.21  | 2.16  | 2.13  | 2.09  | 2.06  | 2.04  | 2.01  |
| 31                           | 4.16                    | 3.30  | 2.91  | 2.68  | 2.52  | 2.41  | 2.32  | 2.25  | 2.20  | 2.15  | 2.11  | 2.08  | 2.05  | 2.03  | 2.00  |
| 32                           | 4.15                    | 3.29  | 2.90  | 2.67  | 2.51  | 2.40  | 2.31  | 2.24  | 2.19  | 2.14  | 2.10  | 2.07  | 2.04  | 2.01  | 1.99  |
| 33                           | 4.14                    | 3.28  | 2.89  | 2.66  | 2.50  | 2.39  | 2.30  | 2.23  | 2.18  | 2.13  | 2.09  | 2.06  | 2.03  | 2.00  | 1.98  |
| 34                           | 4.13                    | 3.28  | 2.88  | 2.65  | 2.49  | 2.38  | 2.29  | 2.23  | 2.17  | 2.12  | 2.08  | 2.05  | 2.02  | 1.99  | 1.97  |
| 35                           | 4.12                    | 3.27  | 2.87  | 2.64  | 2.49  | 2.37  | 2.29  | 2.22  | 2.16  | 2.11  | 2.07  | 2.04  | 2.01  | 1.99  | 1.96  |
| 36                           | 4.11                    | 3.26  | 2.87  | 2.63  | 2.48  | 2.36  | 2.28  | 2.21  | 2.15  | 2.11  | 2.07  | 2.03  | 2.00  | 1.98  | 1.95  |
| 37                           | 4.11                    | 3.25  | 2.86  | 2.63  | 2.47  | 2.36  | 2.27  | 2.20  | 2.14  | 2.10  | 2.06  | 2.02  | 2.00  | 1.97  | 1.95  |
| 38                           | 4.10                    | 3.24  | 2.85  | 2.62  | 2.46  | 2.35  | 2.26  | 2.19  | 2.14  | 2.09  | 2.05  | 2.02  | 1.99  | 1.96  | 1.94  |
| 39                           | 4.09                    | 3.24  | 2.85  | 2.61  | 2.46  | 2.34  | 2.26  | 2.19  | 2.13  | 2.08  | 2.04  | 2.01  | 1.98  | 1.95  | 1.93  |
| 40                           | 4.08                    | 3.23  | 2.84  | 2.61  | 2.45  | 2.34  | 2.25  | 2.18  | 2.12  | 2.08  | 2.04  | 2.00  | 1.97  | 1.95  | 1.92  |
| 41                           | 4.08                    | 3.23  | 2.83  | 2.60  | 2.44  | 2.33  | 2.24  | 2.17  | 2.12  | 2.07  | 2.03  | 2.00  | 1.97  | 1.94  | 1.92  |
| 42                           | 4.07                    | 3.22  | 2.83  | 2.59  | 2.44  | 2.32  | 2.24  | 2.17  | 2.11  | 2.06  | 2.03  | 1.99  | 1.96  | 1.94  | 1.91  |
| 43                           | 4.07                    | 3.21  | 2.82  | 2.59  | 2.43  | 2.32  | 2.23  | 2.16  | 2.11  | 2.06  | 2.02  | 1.99  | 1.96  | 1.93  | 1.91  |

| df untuk penyebut (N2) | df untuk pembilang (N1) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                        | 1                       | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 46                     | 4.05                    | 3.20 | 2.81 | 2.57 | 2.42 | 2.30 | 2.22 | 2.15 | 2.09 | 2.04 | 2.00 | 1.97 | 1.94 | 1.91 | 1.89 |
| 47                     | 4.05                    | 3.20 | 2.80 | 2.57 | 2.41 | 2.30 | 2.21 | 2.14 | 2.09 | 2.04 | 2.00 | 1.96 | 1.93 | 1.91 | 1.88 |
| 48                     | 4.04                    | 3.19 | 2.80 | 2.57 | 2.41 | 2.29 | 2.21 | 2.14 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 |
| 49                     | 4.04                    | 3.19 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 |
| 50                     | 4.03                    | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 | 1.99 | 1.95 | 1.92 | 1.89 | 1.87 |
| 51                     | 4.03                    | 3.18 | 2.79 | 2.55 | 2.40 | 2.28 | 2.20 | 2.13 | 2.07 | 2.02 | 1.98 | 1.95 | 1.92 | 1.89 | 1.87 |
| 52                     | 4.03                    | 3.18 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.07 | 2.02 | 1.98 | 1.94 | 1.91 | 1.89 | 1.86 |
| 53                     | 4.02                    | 3.17 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.06 | 2.01 | 1.97 | 1.94 | 1.91 | 1.88 | 1.86 |
| 54                     | 4.02                    | 3.17 | 2.78 | 2.54 | 2.39 | 2.27 | 2.18 | 2.12 | 2.06 | 2.01 | 1.97 | 1.94 | 1.91 | 1.88 | 1.86 |
| 55                     | 4.02                    | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.06 | 2.01 | 1.97 | 1.93 | 1.90 | 1.88 | 1.85 |
| 56                     | 4.01                    | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.05 | 2.00 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 |
| 57                     | 4.01                    | 3.16 | 2.77 | 2.53 | 2.38 | 2.26 | 2.18 | 2.11 | 2.05 | 2.00 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 |
| 58                     | 4.01                    | 3.16 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.05 | 2.00 | 1.96 | 1.92 | 1.89 | 1.87 | 1.84 |
| 59                     | 4.00                    | 3.15 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.04 | 2.00 | 1.96 | 1.92 | 1.89 | 1.86 | 1.84 |
| 60                     | 4.00                    | 3.15 | 2.76 | 2.53 | 2.37 | 2.25 | 2.17 | 2.10 | 2.04 | 1.99 | 1.95 | 1.92 | 1.89 | 1.86 | 1.84 |
| 61                     | 4.00                    | 3.15 | 2.76 | 2.52 | 2.37 | 2.25 | 2.16 | 2.09 | 2.04 | 1.99 | 1.95 | 1.91 | 1.88 | 1.86 | 1.83 |
| 62                     | 4.00                    | 3.15 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.99 | 1.95 | 1.91 | 1.88 | 1.85 | 1.83 |
| 63                     | 3.99                    | 3.14 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 |
| 64                     | 3.99                    | 3.14 | 2.75 | 2.52 | 2.36 | 2.24 | 2.16 | 2.09 | 2.03 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 |
| 65                     | 3.99                    | 3.14 | 2.75 | 2.51 | 2.36 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 | 1.94 | 1.90 | 1.87 | 1.85 | 1.82 |
| 66                     | 3.99                    | 3.14 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 | 1.94 | 1.90 | 1.87 | 1.84 | 1.82 |
| 67                     | 3.98                    | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.98 | 1.93 | 1.90 | 1.87 | 1.84 | 1.82 |
| 68                     | 3.98                    | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.97 | 1.93 | 1.90 | 1.87 | 1.84 | 1.82 |
| 69                     | 3.98                    | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.15 | 2.08 | 2.02 | 1.97 | 1.93 | 1.90 | 1.86 | 1.84 | 1.81 |
| 70                     | 3.98                    | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.14 | 2.07 | 2.02 | 1.97 | 1.93 | 1.89 | 1.86 | 1.84 | 1.81 |
| 71                     | 3.98                    | 3.13 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.97 | 1.93 | 1.89 | 1.86 | 1.83 | 1.81 |
| 72                     | 3.97                    | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.86 | 1.83 | 1.81 |
| 73                     | 3.97                    | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.86 | 1.83 | 1.81 |
| 74                     | 3.97                    | 3.12 | 2.73 | 2.50 | 2.34 | 2.22 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.85 | 1.83 | 1.80 |
| 75                     | 3.97                    | 3.12 | 2.73 | 2.49 | 2.34 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 | 1.92 | 1.88 | 1.85 | 1.83 | 1.80 |
| 76                     | 3.97                    | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.80 |
| 77                     | 3.97                    | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.80 |
| 78                     | 3.96                    | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.82 | 1.80 |
| 79                     | 3.96                    | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.82 | 1.79 |
| 80                     | 3.96                    | 3.11 | 2.72 | 2.49 | 2.33 | 2.21 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.84 | 1.82 | 1.79 |
| 81                     | 3.96                    | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 | 1.91 | 1.87 | 1.84 | 1.82 | 1.79 |
| 82                     | 3.96                    | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.79 |
| 83                     | 3.96                    | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.79 |
| 84                     | 3.95                    | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 | 1.90 | 1.87 | 1.84 | 1.81 | 1.79 |
| 85                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.84 | 1.81 | 1.79 |
| 86                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.84 | 1.81 | 1.78 |
| 87                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.83 | 1.81 | 1.78 |
| 88                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.81 | 1.78 |
| 89                     | 3.95                    | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |
| 90                     | 3.95                    | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |

## Lampiran 6. Tabel Chi Squared

**Chi-squared distribution table**

| DF | P         |          |        |        |        |        |        |        |        |        |        |
|----|-----------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|    | 0.995     | 0.975    | 0.20   | 0.10   | 0.05   | 0.025  | 0.02   | 0.01   | 0.005  | 0.002  | 0.001  |
| 1  | 0.0000393 | 0.000982 | 1.642  | 2.706  | 3.841  | 5.024  | 5.412  | 6.635  | 7.879  | 9.550  | 10.828 |
| 2  | 0.0100    | 0.0506   | 3.219  | 4.605  | 5.991  | 7.378  | 7.824  | 9.210  | 10.597 | 12.429 | 13.816 |
| 3  | 0.0717    | 0.216    | 4.642  | 6.251  | 7.815  | 9.348  | 9.837  | 11.345 | 12.838 | 14.796 | 16.266 |
| 4  | 0.207     | 0.484    | 5.989  | 7.779  | 9.488  | 11.143 | 11.668 | 13.277 | 14.860 | 16.924 | 18.467 |
| 5  | 0.412     | 0.831    | 7.289  | 9.236  | 11.070 | 12.833 | 13.388 | 15.086 | 16.750 | 18.907 | 20.515 |
| 6  | 0.676     | 1.237    | 8.558  | 10.645 | 12.592 | 14.449 | 15.033 | 16.812 | 18.548 | 20.791 | 22.458 |
| 7  | 0.989     | 1.690    | 9.803  | 12.017 | 14.067 | 16.013 | 16.622 | 18.475 | 20.278 | 22.601 | 24.322 |
| 8  | 1.344     | 2.180    | 11.030 | 13.362 | 15.507 | 17.535 | 18.168 | 20.090 | 21.955 | 24.352 | 26.124 |
| 9  | 1.735     | 2.700    | 12.242 | 14.684 | 16.919 | 19.023 | 19.679 | 21.666 | 23.589 | 26.056 | 27.877 |
| 10 | 2.156     | 3.247    | 13.442 | 15.987 | 18.307 | 20.483 | 21.161 | 23.209 | 25.188 | 27.722 | 29.588 |
| 11 | 2.603     | 3.816    | 14.631 | 17.275 | 19.675 | 21.920 | 22.618 | 24.725 | 26.757 | 29.354 | 31.264 |
| 12 | 3.074     | 4.404    | 15.812 | 18.549 | 21.026 | 23.337 | 24.054 | 26.217 | 28.300 | 30.957 | 32.909 |
| 13 | 3.565     | 5.009    | 16.985 | 19.812 | 22.362 | 24.736 | 25.472 | 27.688 | 29.819 | 32.535 | 34.528 |
| 14 | 4.075     | 5.629    | 18.151 | 21.064 | 23.685 | 26.119 | 26.873 | 29.141 | 31.319 | 34.091 | 36.123 |
| 15 | 4.601     | 6.262    | 19.311 | 22.307 | 24.996 | 27.488 | 28.259 | 30.578 | 32.801 | 35.628 | 37.697 |
| 16 | 5.142     | 6.908    | 20.465 | 23.542 | 26.296 | 28.845 | 29.633 | 32.000 | 34.267 | 37.146 | 39.252 |
| 17 | 5.697     | 7.564    | 21.615 | 24.769 | 27.587 | 30.191 | 30.995 | 33.409 | 35.718 | 38.648 | 40.790 |
| 18 | 6.265     | 8.231    | 22.760 | 25.989 | 28.869 | 31.526 | 32.346 | 34.805 | 37.156 | 40.136 | 42.312 |
| 19 | 6.844     | 8.907    | 23.900 | 27.204 | 30.144 | 32.852 | 33.687 | 36.191 | 38.582 | 41.610 | 43.820 |
| 20 | 7.434     | 9.591    | 25.038 | 28.412 | 31.410 | 34.170 | 35.020 | 37.566 | 39.997 | 43.072 | 45.315 |
| 21 | 8.034     | 10.283   | 26.171 | 29.615 | 32.671 | 35.479 | 36.343 | 38.932 | 41.401 | 44.522 | 46.797 |
| 22 | 8.643     | 10.982   | 27.301 | 30.813 | 33.924 | 36.781 | 37.659 | 40.289 | 42.796 | 45.962 | 48.268 |
| 23 | 9.260     | 11.689   | 28.429 | 32.007 | 35.172 | 38.076 | 38.968 | 41.638 | 44.181 | 47.391 | 49.728 |
| 24 | 9.886     | 12.401   | 29.553 | 33.196 | 36.415 | 39.364 | 40.270 | 42.980 | 45.559 | 48.812 | 51.179 |
| 25 | 10.520    | 13.120   | 30.675 | 34.382 | 37.652 | 40.646 | 41.566 | 44.314 | 46.928 | 50.223 | 52.620 |
| 26 | 11.160    | 13.844   | 31.795 | 35.563 | 38.885 | 41.923 | 42.856 | 45.642 | 48.290 | 51.627 | 54.052 |
| 27 | 11.808    | 14.573   | 32.912 | 36.741 | 40.113 | 43.195 | 44.140 | 46.963 | 49.645 | 53.023 | 55.476 |
| 28 | 12.461    | 15.308   | 34.027 | 37.916 | 41.337 | 44.461 | 45.419 | 48.278 | 50.993 | 54.411 | 56.892 |
| 29 | 13.121    | 16.047   | 35.139 | 39.087 | 42.557 | 45.722 | 46.693 | 49.588 | 52.336 | 55.792 | 58.301 |
| 30 | 13.787    | 16.791   | 36.250 | 40.256 | 43.773 | 46.979 | 47.962 | 50.892 | 53.672 | 57.167 | 59.703 |
| 31 | 14.458    | 17.539   | 37.359 | 41.422 | 44.985 | 48.232 | 49.226 | 52.191 | 55.003 | 58.536 | 61.098 |
| 32 | 15.134    | 18.291   | 38.466 | 42.585 | 46.194 | 49.480 | 50.487 | 53.486 | 56.328 | 59.899 | 62.487 |
| 33 | 15.815    | 19.047   | 39.572 | 43.745 | 47.400 | 50.725 | 51.743 | 54.776 | 57.648 | 61.256 | 63.870 |
| 34 | 16.501    | 19.806   | 40.676 | 44.903 | 48.602 | 51.966 | 52.995 | 56.061 | 58.964 | 62.608 | 65.247 |
| 35 | 17.192    | 20.569   | 41.778 | 46.059 | 49.802 | 53.203 | 54.244 | 57.342 | 60.275 | 63.955 | 66.619 |
| 36 | 17.887    | 21.336   | 42.879 | 47.212 | 50.998 | 54.437 | 55.489 | 58.619 | 61.581 | 65.296 | 67.985 |
| 37 | 18.586    | 22.106   | 43.978 | 48.363 | 52.192 | 55.668 | 56.730 | 59.893 | 62.883 | 66.633 | 69.346 |
| 38 | 19.289    | 22.878   | 45.076 | 49.513 | 53.384 | 56.896 | 57.969 | 61.162 | 64.181 | 67.966 | 70.703 |
| 39 | 19.996    | 23.654   | 46.173 | 50.660 | 54.572 | 58.120 | 59.204 | 62.428 | 65.476 | 69.294 | 72.055 |
| 40 | 20.707    | 24.433   | 47.269 | 51.805 | 55.758 | 59.342 | 60.436 | 63.691 | 66.766 | 70.618 | 73.402 |

|    |        |        |        |         |         |         |         |         |         |         |         |
|----|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 41 | 21.421 | 25.215 | 48.363 | 52.949  | 56.942  | 60.561  | 61.665  | 64.950  | 68.053  | 71.938  | 74.745  |
| 42 | 22.138 | 25.999 | 49.456 | 54.090  | 58.124  | 61.777  | 62.892  | 66.206  | 69.336  | 73.254  | 76.084  |
| 43 | 22.859 | 26.785 | 50.548 | 55.230  | 59.304  | 62.990  | 64.116  | 67.459  | 70.616  | 74.566  | 77.419  |
| 44 | 23.584 | 27.575 | 51.639 | 56.369  | 60.481  | 64.201  | 65.337  | 68.710  | 71.893  | 75.874  | 78.750  |
| 45 | 24.311 | 28.366 | 52.729 | 57.505  | 61.656  | 65.410  | 66.555  | 69.957  | 73.166  | 77.179  | 80.077  |
| 46 | 25.041 | 29.160 | 53.818 | 58.641  | 62.830  | 66.617  | 67.771  | 71.201  | 74.437  | 78.481  | 81.400  |
| 47 | 25.775 | 29.956 | 54.906 | 59.774  | 64.001  | 67.821  | 68.985  | 72.443  | 75.704  | 79.780  | 82.720  |
| 48 | 26.511 | 30.755 | 55.993 | 60.907  | 65.171  | 69.023  | 70.197  | 73.683  | 76.969  | 81.075  | 84.037  |
| 49 | 27.249 | 31.555 | 57.079 | 62.038  | 66.339  | 70.222  | 71.406  | 74.919  | 78.231  | 82.367  | 85.351  |
| 50 | 27.991 | 32.357 | 58.164 | 63.167  | 67.505  | 71.420  | 72.613  | 76.154  | 79.490  | 83.657  | 86.661  |
| 51 | 28.735 | 33.162 | 59.248 | 64.295  | 68.669  | 72.616  | 73.818  | 77.386  | 80.747  | 84.943  | 87.968  |
| 52 | 29.481 | 33.968 | 60.332 | 65.422  | 69.832  | 73.810  | 75.021  | 78.616  | 82.001  | 86.227  | 89.272  |
| 53 | 30.230 | 34.776 | 61.414 | 66.548  | 70.993  | 75.002  | 76.223  | 79.843  | 83.253  | 87.507  | 90.573  |
| 54 | 30.981 | 35.586 | 62.496 | 67.673  | 72.153  | 76.192  | 77.422  | 81.069  | 84.502  | 88.786  | 91.872  |
| 55 | 31.735 | 36.398 | 63.577 | 68.796  | 73.311  | 77.380  | 78.619  | 82.292  | 85.749  | 90.061  | 93.168  |
| 56 | 32.490 | 37.212 | 64.658 | 69.919  | 74.468  | 78.567  | 79.815  | 83.513  | 86.994  | 91.335  | 94.461  |
| 57 | 33.248 | 38.027 | 65.737 | 71.040  | 75.624  | 79.752  | 81.009  | 84.733  | 88.236  | 92.605  | 95.751  |
| 58 | 34.008 | 38.844 | 66.816 | 72.160  | 76.778  | 80.936  | 82.201  | 85.950  | 89.477  | 93.874  | 97.039  |
| 59 | 34.770 | 39.662 | 67.894 | 73.279  | 77.931  | 82.117  | 83.391  | 87.166  | 90.715  | 95.140  | 98.324  |
| 60 | 35.534 | 40.482 | 68.972 | 74.397  | 79.082  | 83.298  | 84.580  | 88.379  | 91.952  | 96.404  | 99.607  |
| 61 | 36.301 | 41.303 | 70.049 | 75.514  | 80.232  | 84.476  | 85.767  | 89.591  | 93.186  | 97.665  | 100.888 |
| 62 | 37.068 | 42.126 | 71.125 | 76.630  | 81.381  | 85.654  | 86.953  | 90.802  | 94.419  | 98.925  | 102.166 |
| 63 | 37.838 | 42.950 | 72.201 | 77.745  | 82.529  | 86.830  | 88.137  | 92.010  | 95.649  | 100.182 | 103.442 |
| 64 | 38.610 | 43.776 | 73.276 | 78.860  | 83.675  | 88.004  | 89.320  | 93.217  | 96.878  | 101.437 | 104.716 |
| 65 | 39.383 | 44.603 | 74.351 | 79.973  | 84.821  | 89.177  | 90.501  | 94.422  | 98.105  | 102.691 | 105.988 |
| 66 | 40.158 | 45.431 | 75.424 | 81.085  | 85.965  | 90.349  | 91.681  | 95.626  | 99.330  | 103.942 | 107.258 |
| 67 | 40.935 | 46.261 | 76.498 | 82.197  | 87.108  | 91.519  | 92.860  | 96.828  | 100.554 | 105.192 | 108.526 |
| 68 | 41.713 | 47.092 | 77.571 | 83.308  | 88.250  | 92.689  | 94.037  | 98.028  | 101.776 | 106.440 | 109.791 |
| 69 | 42.494 | 47.924 | 78.643 | 84.418  | 89.391  | 93.856  | 95.213  | 99.228  | 102.996 | 107.685 | 111.055 |
| 70 | 43.275 | 48.758 | 79.715 | 85.527  | 90.531  | 95.023  | 96.388  | 100.425 | 104.215 | 108.929 | 112.317 |
| 71 | 44.058 | 49.592 | 80.786 | 86.635  | 91.670  | 96.189  | 97.561  | 101.621 | 105.432 | 110.172 | 113.577 |
| 72 | 44.843 | 50.428 | 81.857 | 87.743  | 92.808  | 97.353  | 98.733  | 102.816 | 106.648 | 111.412 | 114.835 |
| 73 | 45.629 | 51.265 | 82.927 | 88.850  | 93.945  | 98.516  | 99.904  | 104.010 | 107.862 | 112.651 | 116.092 |
| 74 | 46.417 | 52.103 | 83.997 | 89.956  | 95.081  | 99.678  | 101.074 | 105.202 | 109.074 | 113.889 | 117.346 |
| 75 | 47.206 | 52.942 | 85.066 | 91.061  | 96.217  | 100.839 | 102.243 | 106.393 | 110.286 | 115.125 | 118.599 |
| 76 | 47.997 | 53.782 | 86.135 | 92.166  | 97.351  | 101.999 | 103.410 | 107.583 | 111.495 | 116.359 | 119.850 |
| 77 | 48.788 | 54.623 | 87.203 | 93.270  | 98.484  | 103.158 | 104.576 | 108.771 | 112.704 | 117.591 | 121.100 |
| 78 | 49.582 | 55.466 | 88.271 | 94.374  | 99.617  | 104.316 | 105.742 | 109.958 | 113.911 | 118.823 | 122.348 |
| 79 | 50.376 | 56.309 | 89.338 | 95.476  | 100.749 | 105.473 | 106.906 | 111.144 | 115.117 | 120.052 | 123.594 |
| 80 | 51.172 | 57.153 | 90.405 | 96.578  | 101.879 | 106.629 | 108.069 | 112.329 | 116.321 | 121.280 | 124.839 |
| 81 | 51.969 | 57.998 | 91.472 | 97.680  | 103.010 | 107.783 | 109.232 | 113.512 | 117.524 | 122.507 | 126.083 |
| 82 | 52.767 | 58.845 | 92.538 | 98.780  | 104.139 | 108.937 | 110.393 | 114.695 | 118.726 | 123.733 | 127.324 |
| 83 | 53.567 | 59.692 | 93.604 | 99.880  | 105.267 | 110.090 | 111.553 | 115.876 | 119.927 | 124.957 | 128.565 |
| 84 | 54.368 | 60.540 | 94.669 | 100.980 | 106.395 | 111.242 | 112.712 | 117.057 | 121.126 | 126.179 | 129.804 |
| 85 | 55.170 | 61.389 | 95.734 | 102.079 | 107.522 | 112.393 | 113.871 | 118.236 | 122.325 | 127.401 | 131.041 |

|     |        |         |         |         |         |         |         |         |         |         |         |
|-----|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 86  | 55.973 | 62.239  | 96.799  | 103.177 | 108.648 | 113.544 | 115.028 | 119.414 | 123.522 | 128.621 | 132.277 |
| 87  | 56.777 | 63.089  | 97.863  | 104.275 | 109.773 | 114.693 | 116.184 | 120.591 | 124.718 | 129.840 | 133.512 |
| 88  | 57.582 | 63.941  | 98.927  | 105.372 | 110.898 | 115.841 | 117.340 | 121.767 | 125.913 | 131.057 | 134.745 |
| 89  | 58.389 | 64.793  | 99.991  | 106.469 | 112.022 | 116.989 | 118.495 | 122.942 | 127.106 | 132.273 | 135.978 |
| 90  | 59.196 | 65.647  | 101.054 | 107.565 | 113.145 | 118.136 | 119.648 | 124.116 | 128.299 | 133.489 | 137.208 |
| 91  | 60.005 | 66.501  | 102.117 | 108.661 | 114.268 | 119.282 | 120.801 | 125.289 | 129.491 | 134.702 | 138.438 |
| 92  | 60.815 | 67.356  | 103.179 | 109.756 | 115.390 | 120.427 | 121.954 | 126.462 | 130.681 | 135.915 | 139.666 |
| 93  | 61.625 | 68.211  | 104.241 | 110.850 | 116.511 | 121.571 | 123.105 | 127.633 | 131.871 | 137.127 | 140.893 |
| 94  | 62.437 | 69.068  | 105.303 | 111.944 | 117.632 | 122.715 | 124.255 | 128.803 | 133.059 | 138.337 | 142.119 |
| 95  | 63.250 | 69.925  | 106.364 | 113.038 | 118.752 | 123.858 | 125.405 | 129.973 | 134.247 | 139.546 | 143.344 |
| 96  | 64.063 | 70.783  | 107.425 | 114.131 | 119.871 | 125.000 | 126.554 | 131.141 | 135.433 | 140.755 | 144.567 |
| 97  | 64.878 | 71.642  | 108.486 | 115.223 | 120.990 | 126.141 | 127.702 | 132.309 | 136.619 | 141.962 | 145.789 |
| 98  | 65.694 | 72.501  | 109.547 | 116.315 | 122.108 | 127.282 | 128.849 | 133.476 | 137.803 | 143.168 | 147.010 |
| 99  | 66.510 | 73.361  | 110.607 | 117.407 | 123.225 | 128.422 | 129.996 | 134.642 | 138.987 | 144.373 | 148.230 |
| 100 | 67.328 | 74.222  | 111.667 | 118.498 | 124.342 | 129.561 | 131.142 | 135.807 | 140.169 | 145.577 | 149.449 |
| 101 | 68.146 | 75.083  | 112.726 | 119.589 | 125.458 | 130.700 | 132.287 | 136.971 | 141.351 | 146.780 | 150.667 |
| 102 | 68.965 | 75.946  | 113.786 | 120.679 | 126.574 | 131.838 | 133.431 | 138.134 | 142.532 | 147.982 | 151.884 |
| 103 | 69.785 | 76.809  | 114.845 | 121.769 | 127.689 | 132.975 | 134.575 | 139.297 | 143.712 | 149.183 | 153.099 |
| 104 | 70.606 | 77.672  | 115.903 | 122.858 | 128.804 | 134.111 | 135.718 | 140.459 | 144.891 | 150.383 | 154.314 |
| 105 | 71.428 | 78.536  | 116.962 | 123.947 | 129.918 | 135.247 | 136.860 | 141.620 | 146.070 | 151.582 | 155.528 |
| 106 | 72.251 | 79.401  | 118.020 | 125.035 | 131.031 | 136.382 | 138.002 | 142.780 | 147.247 | 152.780 | 156.740 |
| 107 | 73.075 | 80.267  | 119.078 | 126.123 | 132.144 | 137.517 | 139.143 | 143.940 | 148.424 | 153.977 | 157.952 |
| 108 | 73.899 | 81.133  | 120.135 | 127.211 | 133.257 | 138.651 | 140.283 | 145.099 | 149.599 | 155.173 | 159.162 |
| 109 | 74.724 | 82.000  | 121.192 | 128.298 | 134.369 | 139.784 | 141.423 | 146.257 | 150.774 | 156.369 | 160.372 |
| 110 | 75.550 | 82.867  | 122.250 | 129.385 | 135.480 | 140.917 | 142.562 | 147.414 | 151.948 | 157.563 | 161.581 |
| 111 | 76.377 | 83.735  | 123.306 | 130.472 | 136.591 | 142.049 | 143.700 | 148.571 | 153.122 | 158.757 | 162.788 |
| 112 | 77.204 | 84.604  | 124.363 | 131.558 | 137.701 | 143.180 | 144.838 | 149.727 | 154.294 | 159.950 | 163.995 |
| 113 | 78.033 | 85.473  | 125.419 | 132.643 | 138.811 | 144.311 | 145.975 | 150.882 | 155.466 | 161.141 | 165.201 |
| 114 | 78.862 | 86.342  | 126.475 | 133.729 | 139.921 | 145.441 | 147.111 | 152.037 | 156.637 | 162.332 | 166.406 |
| 115 | 79.692 | 87.213  | 127.531 | 134.813 | 141.030 | 146.571 | 148.247 | 153.191 | 157.808 | 163.523 | 167.610 |
| 116 | 80.522 | 88.084  | 128.587 | 135.898 | 142.138 | 147.700 | 149.383 | 154.344 | 158.977 | 164.712 | 168.813 |
| 117 | 81.353 | 88.955  | 129.642 | 136.982 | 143.246 | 148.829 | 150.517 | 155.496 | 160.146 | 165.900 | 170.016 |
| 118 | 82.185 | 89.827  | 130.697 | 138.066 | 144.354 | 149.957 | 151.652 | 156.648 | 161.314 | 167.088 | 171.217 |
| 119 | 83.018 | 90.700  | 131.752 | 139.149 | 145.461 | 151.084 | 152.785 | 157.800 | 162.481 | 168.275 | 172.418 |
| 120 | 83.852 | 91.573  | 132.806 | 140.233 | 146.567 | 152.211 | 153.918 | 158.950 | 163.648 | 169.461 | 173.617 |
| 121 | 84.686 | 92.446  | 133.861 | 141.315 | 147.674 | 153.338 | 155.051 | 160.100 | 164.814 | 170.647 | 174.816 |
| 122 | 85.520 | 93.320  | 134.915 | 142.398 | 148.779 | 154.464 | 156.183 | 161.250 | 165.980 | 171.831 | 176.014 |
| 123 | 86.356 | 94.195  | 135.969 | 143.480 | 149.885 | 155.589 | 157.314 | 162.398 | 167.144 | 173.015 | 177.212 |
| 124 | 87.192 | 95.070  | 137.022 | 144.562 | 150.989 | 156.714 | 158.445 | 163.546 | 168.308 | 174.198 | 178.408 |
| 125 | 88.029 | 95.946  | 138.076 | 145.643 | 152.094 | 157.839 | 159.575 | 164.694 | 169.471 | 175.380 | 179.604 |
| 126 | 88.866 | 96.822  | 139.129 | 146.724 | 153.198 | 158.962 | 160.705 | 165.841 | 170.634 | 176.562 | 180.799 |
| 127 | 89.704 | 97.698  | 140.182 | 147.805 | 154.302 | 160.086 | 161.834 | 166.987 | 171.796 | 177.743 | 181.993 |
| 128 | 90.543 | 98.576  | 141.235 | 148.885 | 155.405 | 161.209 | 162.963 | 168.133 | 172.957 | 178.923 | 183.186 |
| 129 | 91.382 | 99.453  | 142.288 | 149.965 | 156.508 | 162.331 | 164.091 | 169.278 | 174.118 | 180.103 | 184.379 |
| 130 | 92.222 | 100.331 | 143.340 | 151.045 | 157.610 | 163.453 | 165.219 | 170.423 | 175.278 | 181.282 | 185.571 |

## Lampiran 7. Hasil Output SPSS

### A. Statistik Deskriptif

| Descriptive Statistics |     |         |         |        |                |
|------------------------|-----|---------|---------|--------|----------------|
|                        | N   | Minimum | Maximum | Mean   | Std. Deviation |
| Bonus <i>Plan</i>      | 108 | .00     | 1.00    | .9815  | .13545         |
| Loan Loss Provision    | 108 | .00     | 28.94   | .8626  | 4.61928        |
| Board Size             | 108 | 2.00    | 11.00   | 5.1296 | 2.33259        |
| Perataan Laba          | 108 | .00     | 1.00    | .4444  | .49922         |
| Valid N (listwise)     | 108 |         |         |        |                |

Sumber data : Olah data SPSS Ver 26

### B. Alat Analisis Data

#### 1) Regresi Logistik

| Variables in the Equation |                     |        |       |       |    |      |        |
|---------------------------|---------------------|--------|-------|-------|----|------|--------|
|                           |                     | B      | S.E.  | Wald  | df | Sig. | Exp(B) |
| Step 1 <sup>a</sup>       | Bonus <i>Plan</i>   | .118   | 1.436 | .007  | 1  | .935 | 1.125  |
|                           | Loan Loss Provision | -8.028 | 3.496 | 5.275 | 1  | .022 | .000   |
|                           | Board Size          | -.079  | .102  | .607  | 1  | .436 | .924   |
|                           | Constant            | 1.193  | 1.496 | .636  | 1  | .425 | 3.295  |

Sumber data : Olah data SPSS Ver 26

#### 2) Uji Kelayakan Model Regresi

##### Hosmer and Lemeshow Test

| Step | Chi-square | df | Sig. |
|------|------------|----|------|
| 1    | 1.617      | 8  | .991 |

### 3) Uji Keseluruhan Model (*Overall Model fit*)

**Iteration History<sup>a,b,c</sup>**

| Iteration                                                                                             |   | -2 Log likelihood | Coefficients |
|-------------------------------------------------------------------------------------------------------|---|-------------------|--------------|
|                                                                                                       |   |                   | Constant     |
| Step 0                                                                                                | 1 | 148.384           | -.222        |
|                                                                                                       | 2 | 148.384           | -.223        |
| a. Constant is included in the model.                                                                 |   |                   |              |
| b. Initial -2 Log Likelihood: 148,384                                                                 |   |                   |              |
| c. Estimation terminated at iteration number 2 because parameter estimates changed by less than ,001. |   |                   |              |

### Uji Keseluruhan Model *Block Number 1*

**Iteration History<sup>a,b,c,d</sup>**

| Iteration |   | -2 Log likelihood | Coefficients |                   |                            |                   |
|-----------|---|-------------------|--------------|-------------------|----------------------------|-------------------|
|           |   |                   | Constant     | Bonus <i>Plan</i> | <i>Loan Loss Provision</i> | <i>Board Size</i> |
| Step 1    | 1 | 139.393           | .590         | .118              | -.428                      | -.155             |
|           | 2 | 137.849           | .633         | .119              | -.817                      | -.154             |
|           | 3 | 136.067           | .646         | .108              | -1.687                     | -.130             |
|           | 4 | 133.406           | .778         | .097              | -4.099                     | -.089             |
|           | 5 | 132.038           | 1.090        | .112              | -7.212                     | -.076             |
|           | 6 | 131.977           | 1.189        | .118              | -7.999                     | -.079             |
|           | 7 | 131.977           | 1.192        | .118              | -8.028                     | -.079             |
|           | 8 | 131.977           | 1.193        | .118              | -8.028                     | -.079             |

a. Method: Enter

b. Constant is included in the model.

c. Initial -2 Log Likelihood: 148,384

d. Estimation terminated at iteration number 8

because parameter estimates changed by less than ,001.



### 3). Uji Koefisien Determinasi (*Nagelkerke R Square*)

**Model Summary**

| Step | -2 Log<br><i>Likelihood.</i> | Cox & Snell R<br>Square | Nagelkerke R<br>Square |
|------|------------------------------|-------------------------|------------------------|
| 1    | 131.977 <sup>a</sup>         | .141                    | .189                   |

Sumber data : Olah data SPSS Ver 26

## C. Pengujian Hipotesis

### 1). Uji Wald

**Variables in the Equation**

|                        |                            | B      | S.E.  | Wald  | df | Sig. | Exp(B) |
|------------------------|----------------------------|--------|-------|-------|----|------|--------|
| Step<br>1 <sup>a</sup> | <i>Bonus Plan</i>          | .118   | 1.436 | .007  | 1  | .935 | 1.125  |
|                        | <i>Loan Loss Provision</i> | -8.028 | 3.496 | 5.275 | 1  | .022 | .000   |
|                        | <i>Board Size</i>          | -.079  | .102  | .607  | 1  | .436 | .924   |
|                        | Constant                   | 1.193  | 1.496 | .636  | 1  | .425 | 3.295  |

a. Variable(s) entered on step 1: *Bonus Plan, Loan Loss Provision, Board Size*.