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LAMPIRAN

Lampiran 1. Data kemunculan gempa bumi tektonik di pulau Jawa dan sekitarnya

| No. | Waktu Kejadian | Jam | Magnitudo | Kedalaman |
|-----|----------------|----------|-----------|-----------|
| 1 | 3/7/1971 | 8:10:05 | 5.59 | 60.9 |
| 2 | 4/11/1972 | 18:15:15 | 5.58 | 54.5 |
| 3 | 27/07/1973 | 16:48:13 | 5.5 | 61 |
| 4 | 25/03/1974 | 16:31:45 | 5.2 | 92 |
| 5 | 21/05/1974 | 7:57:11 | 5.3 | 88 |
| 6 | 14/06/1974 | 12:37:25 | 5.1 | 83 |
| 7 | 18/09/1974 | 18:27:21 | 5.5 | 93 |
| 8 | 9/2/1975 | 4:45:24 | 5.6 | 27 |
| 9 | 16/06/1975 | 4:14:03 | 5 | 88 |
| 10 | 18/12/1975 | 8:33:33 | 5.6 | 77 |
| 11 | 14/02/1976 | 20:31:38 | 5.9 | 53 |
| 12 | 7/3/1976 | 12:09:12 | 5 | 99 |
| 13 | 2/7/1976 | 4:04:25 | 5.1 | 100 |
| 14 | 18/07/1977 | 18:11:41 | 5.3 | 74 |
| 15 | 3/8/1977 | 19:54:07 | 5 | 99 |
| 16 | 10/8/1977 | 7:07:26 | 5.7 | 52 |
| 17 | 14/08/1977 | 21:38:51 | 5.7 | 33 |
| 18 | 23/11/1977 | 16:11:16 | 5.2 | 82 |
| 19 | 14/02/1978 | 0:03:51 | 5.4 | 85 |
| 20 | 30/05/1978 | 11:27:57 | 5.1 | 33 |
| 21 | 8/8/1978 | 8:24:04 | 5.1 | 100 |
| 22 | 12/9/1978 | 18:17:00 | 5.2 | 33 |
| 23 | 24/11/1978 | 5:38:32 | 5.2 | 76 |
| 24 | 13/12/1978 | 8:59:52 | 5 | 89 |
| 25 | 19/03/1979 | 7:21:17 | 5.1 | 65 |
| 26 | 4/5/1979 | 14:32:33 | 5.1 | 91 |
| 27 | 14/05/1979 | 9:14:21 | 5.1 | 37 |
| 28 | 15/05/1979 | 1:06:12 | 5 | 81 |
| 29 | 29/07/1979 | 22:34:43 | 5 | 94 |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| 269 | 21/11/2022 | 6:21:07 | 5 | 67 |

Lampiran 2. Waktu antar kejadian kemunculan gempa bumi tektonik di pulau Jawa dan sekitarnya.

| No | Waktu Kejadian | Hari Ke- | Jam | Jam (desimal) | Waktu Kejadian (hari) | Waktu Antar Kejadian (hari) |
|-----|----------------|----------|----------|---------------|-----------------------|-----------------------------|
| 1 | 3/7/1971 | 0 | 8:10:05 | 0.34 | 0.34 | |
| 2 | 4/11/1972 | 490 | 18:15:15 | 0.76 | 490.76 | 490.42 |
| 3 | 27/07/1973 | 755 | 16:48:13 | 0.70 | 755.70 | 264.94 |
| 4 | 25/03/1974 | 996 | 16:31:45 | 0.69 | 996.69 | 240.99 |
| 5 | 21/05/1974 | 1053 | 7:57:11 | 0.33 | 1053.33 | 56.64 |
| 6 | 14/06/1974 | 1077 | 12:37:25 | 0.53 | 1077.53 | 24.19 |
| 7 | 18/09/1974 | 1173 | 18:27:21 | 0.77 | 1173.77 | 96.24 |
| 8 | 9/2/1975 | 1317 | 4:45:24 | 0.20 | 1317.20 | 143.43 |
| 9 | 16/06/1975 | 1444 | 4:14:03 | 0.18 | 1444.18 | 126.98 |
| 10 | 18/12/1975 | 1629 | 8:33:33 | 0.36 | 1629.36 | 185.18 |
| 11 | 14/02/1976 | 1687 | 20:31:38 | 0.86 | 1687.86 | 58.50 |
| 12 | 7/3/1976 | 1709 | 12:09:12 | 0.51 | 1709.51 | 21.65 |
| 13 | 2/7/1976 | 1826 | 4:04:25 | 0.17 | 1826.17 | 116.66 |
| 14 | 18/07/1977 | 2207 | 18:11:41 | 0.76 | 2207.76 | 381.59 |
| 15 | 3/8/1977 | 2223 | 19:54:07 | 0.83 | 2223.83 | 16.07 |
| 16 | 10/8/1977 | 2230 | 7:07:26 | 0.30 | 2230.30 | 6.47 |
| 17 | 14/08/1977 | 2234 | 21:38:51 | 0.90 | 2234.90 | 4.61 |
| 18 | 23/11/1977 | 2335 | 16:11:16 | 0.67 | 2335.67 | 100.77 |
| 19 | 14/02/1978 | 2418 | 0:03:51 | 0.00 | 2418.00 | 82.33 |
| 20 | 30/05/1978 | 2523 | 11:27:57 | 0.48 | 2523.48 | 105.48 |
| 21 | 8/8/1978 | 2593 | 8:24:04 | 0.35 | 2593.35 | 69.87 |
| 22 | 12/9/1978 | 2628 | 18:17:00 | 0.76 | 2628.76 | 35.41 |
| 23 | 24/11/1978 | 2701 | 5:38:32 | 0.24 | 2701.24 | 72.47 |
| 24 | 13/12/1978 | 2720 | 8:59:52 | 0.37 | 2720.37 | 19.14 |
| 25 | 19/03/1979 | 2816 | 7:21:17 | 0.31 | 2816.31 | 95.93 |
| 26 | 4/5/1979 | 2862 | 14:32:33 | 0.61 | 2862.61 | 46.30 |
| 27 | 14/05/1979 | 2872 | 9:14:21 | 0.39 | 2872.39 | 9.78 |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |
| 269 | 21/11/2022 | 18769 | 6:21:07 | 0.26 | 18769.26 | 1.49 |

Lampiran 3. *Output* uji kecocokan distribusi eksponensial dengan uji Kolmogorov Smirnov menggunakan *software* SPSS.

| One-Sample Kolmogorov-Smirnov Test | | Waktu_Antar_Kejadian |
|---|----------|----------------------|
| N | | 268 |
| Exponential parameter. ^{a,b} | Mean | 70.0333 |
| Most Extreme Differences | Absolute | .064 |
| | Positive | .064 |
| | Negative | -.015 |
| Kolmogorov-Smirnov Z | | 1.051 |
| Asymp. Sig. (2-tailed) | | .220 |

a. Test Distribution is Exponential.

b. Calculated from data.

Lampiran 4. Peluang waktu antar kejadian gempa bumi periode 1971-2022 di pulau Jawa dan sekitarnya yang diurutkan dengan menggunakan model eksponensial dan model eksponensial terkontaminasi.

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (16967.70, 16968.02] | 0.32 | 0.01581 | 0.01423 |
| (2872.39, 2873.05] | 0.66 | 0.01572 | 0.01417 |
| (4135.65, 4136.34] | 0.7 | 0.01571 | 0.01416 |
| (18760.55, 18761.63] | 1.08 | 0.01561 | 0.01408 |
| (4423.49, 4424.94] | 1.44 | 0.01551 | 0.01401 |
| (18767.77, 18769.28] | 1.49 | 0.01550 | 0.01400 |
| (5043.92, 5045.59] | 1.67 | 0.01545 | 0.01396 |
| (5435.91, 5437.75] | 1.83 | 0.01541 | 0.01393 |
| (17783.43, 17785.34] | 1.91 | 0.01539 | 0.01391 |
| (7809.89, 7812.13] | 2.23 | 0.01530 | 0.01385 |
| (15547.22, 15549.68] | 2.46 | 0.01524 | 0.01381 |
| (8289.45, 8292.00] | 2.55 | 0.01522 | 0.01379 |
| (10778.16, 10781.54] | 3.38 | 0.01501 | 0.01363 |
| (4424.94, 4428.40] | 3.46 | 0.01499 | 0.01361 |
| (18515.23, 18519.13] | 3.9 | 0.01487 | 0.01352 |
| (18179.29, 18183.27] | 3.98 | 0.01485 | 0.01351 |
| (2230.30, 2234.90] | 4.61 | 0.01469 | 0.01339 |
| (14284.80, 14289.93] | 5.13 | 0.01456 | 0.01329 |
| (16308.98, 16314.26] | 5.27 | 0.01453 | 0.01326 |
| (18761.63, 18767.78] | 6.14 | 0.01432 | 0.01310 |
| (2223.83, 2230.30] | 6.47 | 0.01423 | 0.01304 |
| (14624.46, 14631.35] | 6.89 | 0.01413 | 0.01296 |
| (12739.93, 12746.95] | 7.02 | 0.01410 | 0.01293 |
| (7926.18, 7933.23] | 7.05 | 0.01409 | 0.01293 |
| (4681.44, 4688.52] | 7.08 | 0.01409 | 0.01292 |
| (5974.85, 5982.07] | 7.22 | 0.01405 | 0.01290 |
| (10781.54, 10788.83] | 7.29 | 0.01404 | 0.01288 |
| (16657.36, 16664.79] | 7.43 | 0.01400 | 0.01286 |
| (4673.93, 4681.44] | 7.51 | 0.01398 | 0.01284 |
| (5634.11, 5641.66] | 7.56 | 0.01397 | 0.01283 |
| (18471.67, 18479.42] | 7.76 | 0.01393 | 0.01280 |
| (14230.61, 14238.41] | 7.8 | 0.01392 | 0.01279 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (2948.94, 2957.20] | 8.25 | 0.01381 | 0.01271 |
| (11755.27, 11763.70] | 8.43 | 0.01377 | 0.01268 |
| (5427.44, 5435.91] | 8.47 | 0.01376 | 0.01267 |
| (11833.00, 11841.50] | 8.51 | 0.01375 | 0.01266 |
| (6761.42, 6770.30] | 8.87 | 0.01366 | 0.01260 |
| (7664.11, 7673.25] | 9.14 | 0.01360 | 0.01255 |
| (10836.26, 10845.98] | 9.73 | 0.01347 | 0.01244 |
| (2862.61, 2872.39] | 9.78 | 0.01345 | 0.01243 |
| (18461.02, 18471.67] | 10.65 | 0.01326 | 0.01228 |
| (3183.83, 3194.55] | 10.73 | 0.01324 | 0.01227 |
| (18012.04, 18022.93] | 10.89 | 0.01320 | 0.01224 |
| (8707.42, 8718.36] | 10.94 | 0.01319 | 0.01223 |
| (12397.55, 12408.83] | 11.28 | 0.01311 | 0.01217 |
| (14218.71, 14230.61] | 11.91 | 0.01297 | 0.01206 |
| (17545.01, 17557.60] | 12.59 | 0.01283 | 0.01194 |
| (7913.43, 7926.18] | 12.75 | 0.01279 | 0.01192 |
| (18183.27, 18196.39] | 13.12 | 0.01271 | 0.01185 |
| (11741.93, 11755.27] | 13.34 | 0.01266 | 0.01182 |
| (10024.24, 10037.76] | 13.52 | 0.01262 | 0.01179 |
| (5120.56, 5134.14] | 13.58 | 0.01261 | 0.01178 |
| (11638.32, 11652.10] | 13.75 | 0.01258 | 0.01175 |
| (17886.81, 17902.20] | 15.38 | 0.01223 | 0.01148 |
| (6712.80, 6728.47] | 15.67 | 0.01217 | 0.01143 |
| (3194.55, 3210.51] | 15.96 | 0.01211 | 0.01138 |
| (8090.07, 8106.08] | 16.01 | 0.01210 | 0.01137 |
| (2207.76, 2223.83] | 16.07 | 0.01209 | 0.01136 |
| (18519.13, 18535.30] | 16.18 | 0.01207 | 0.01135 |
| (3005.02, 3021.57] | 16.55 | 0.01199 | 0.01129 |
| (17528.28, 17545.01] | 16.73 | 0.01195 | 0.01126 |
| (7647.02, 7664.11] | 17.09 | 0.01188 | 0.01120 |
| (16202.49, 16219.62] | 17.13 | 0.01187 | 0.01119 |
| (6925.70, 6943.01] | 17.31 | 0.01184 | 0.01116 |
| (2987.68, 3005.02] | 17.35 | 0.01183 | 0.01116 |
| (12657.61, 12675.24] | 17.63 | 0.01177 | 0.01111 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (6841.47, 6859.60] | 18.12 | 0.01168 | 0.01104 |
| (16762.70, 16780.97] | 18.27 | 0.01165 | 0.01101 |
| (2701.24, 2720.37] | 19.14 | 0.01148 | 0.01088 |
| (7790.70, 7809.89] | 19.19 | 0.01147 | 0.01087 |
| (14199.50, 14218.71] | 19.21 | 0.01146 | 0.01087 |
| (6202.66, 6221.97] | 19.31 | 0.01144 | 0.01085 |
| (7933.23, 7952.75] | 19.52 | 0.01140 | 0.01082 |
| (3957.68, 3977.45] | 19.77 | 0.01135 | 0.01078 |
| (17508.40, 17528.28] | 19.89 | 0.01133 | 0.01076 |
| (3308.56, 3329.01] | 20.45 | 0.01123 | 0.01067 |
| (7151.47, 7172.24] | 20.77 | 0.01116 | 0.01063 |
| (16219.62, 16240.63] | 21.01 | 0.01112 | 0.01059 |
| (14521.19, 14542.28] | 21.09 | 0.01111 | 0.01058 |
| (5022.65, 5043.92] | 21.28 | 0.01107 | 0.01055 |
| (1687.86, 1709.51] | 21.65 | 0.01100 | 0.01049 |
| (13279.11, 13300.96] | 21.85 | 0.01096 | 0.01046 |
| (15695.28, 15717.21] | 21.93 | 0.01095 | 0.01045 |
| (4299.03, 4321.29] | 22.26 | 0.01089 | 0.01040 |
| (4889.36, 4911.96] | 22.6 | 0.01082 | 0.01035 |
| (8138.30, 8161.30] | 23 | 0.01075 | 0.01029 |
| (3021.57, 3044.66] | 23.09 | 0.01074 | 0.01028 |
| (6689.28, 6712.80] | 23.52 | 0.01066 | 0.01022 |
| (7812.13, 7835.83] | 23.7 | 0.01063 | 0.01019 |
| (10478.68, 10502.47] | 23.79 | 0.01061 | 0.01018 |
| (1053.33, 1077.53] | 24.19 | 0.01054 | 0.01012 |
| (16807.95, 16833.68] | 25.73 | 0.01027 | 0.00990 |
| (18196.39, 18222.16] | 25.77 | 0.01026 | 0.00989 |
| (10926.96, 10953.16] | 26.19 | 0.01019 | 0.00983 |
| (16780.97, 16807.95] | 26.98 | 0.01006 | 0.00972 |
| (10069.66, 10097.24] | 27.58 | 0.00995 | 0.00964 |
| (6362.63, 6390.69] | 28.06 | 0.00987 | 0.00957 |
| (6897.56, 6925.70] | 28.14 | 0.00986 | 0.00956 |
| (4767.10, 4796.00] | 28.91 | 0.00973 | 0.00946 |
| (4474.02, 4504.31] | 30.29 | 0.00951 | 0.00927 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (2957.20, 2987.68] | 30.47 | 0.00948 | 0.00925 |
| (5089.98, 5120.56] | 30.58 | 0.00947 | 0.00923 |
| (7068.59, 7099.23] | 30.64 | 0.00946 | 0.00923 |
| (16731.75, 16762.70] | 30.95 | 0.00941 | 0.00919 |
| (15346.09, 15377.45] | 31.36 | 0.00934 | 0.00913 |
| (10037.76, 10069.66] | 31.9 | 0.00926 | 0.00906 |
| (16170.38, 16202.49] | 32.11 | 0.00923 | 0.00903 |
| (8106.08, 8138.30] | 32.21 | 0.00921 | 0.00902 |
| (9258.71, 9291.16] | 32.45 | 0.00917 | 0.00899 |
| (14542.28, 14574.85] | 32.58 | 0.00915 | 0.00897 |
| (13908.62, 13941.33] | 32.71 | 0.00913 | 0.00896 |
| (6728.47, 6761.42] | 32.96 | 0.00910 | 0.00893 |
| (6221.97, 6255.08] | 33.11 | 0.00907 | 0.00891 |
| (12068.06, 12101.27] | 33.22 | 0.00906 | 0.00889 |
| (9907.53, 9941.89] | 34.36 | 0.00889 | 0.00875 |
| (16314.26, 16349.61] | 35.36 | 0.00874 | 0.00862 |
| (2593.35, 2628.76] | 35.41 | 0.00873 | 0.00862 |
| (16134.84, 16170.38] | 35.54 | 0.00871 | 0.00860 |
| (18222.16, 18257.93] | 35.77 | 0.00868 | 0.00857 |
| (18479.42, 18515.23] | 35.81 | 0.00867 | 0.00857 |
| (10565.74, 10602.05] | 36.31 | 0.00860 | 0.00851 |
| (16620.88, 16657.36] | 36.48 | 0.00858 | 0.00849 |
| (17356.41, 17392.99] | 36.57 | 0.00856 | 0.00848 |
| (11704.89, 11741.93] | 37.04 | 0.00850 | 0.00842 |
| (12101.27, 12138.67] | 37.4 | 0.00845 | 0.00838 |
| (6859.60, 6897.56] | 37.96 | 0.00837 | 0.00831 |
| (16968.02, 17006.27] | 38.26 | 0.00833 | 0.00827 |
| (3210.51, 3249.51] | 38.99 | 0.00822 | 0.00819 |
| (17316.86, 17356.41] | 39.55 | 0.00815 | 0.00812 |
| (4634.38, 4673.93] | 39.56 | 0.00815 | 0.00812 |
| (4050.37, 4090.06] | 39.69 | 0.00813 | 0.00811 |
| (10953.16, 10993.14] | 39.98 | 0.00809 | 0.00807 |
| (3875.68, 3915.72] | 40.04 | 0.00808 | 0.00807 |
| (15549.68, 15590.57] | 40.89 | 0.00797 | 0.00797 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (10437.34, 10478.68] | 41.34 | 0.00791 | 0.00792 |
| (14374.29, 14416.17] | 41.87 | 0.00784 | 0.00786 |
| (16092.91, 16134.84] | 41.93 | 0.00783 | 0.00785 |
| (3915.72, 3957.68] | 41.96 | 0.00783 | 0.00785 |
| (8594.61, 8637.27] | 42.66 | 0.00774 | 0.00777 |
| (4255.69, 4299.03] | 43.34 | 0.00765 | 0.00769 |
| (5045.59, 5089.98] | 44.39 | 0.00752 | 0.00758 |
| (4090.06, 4135.65] | 45.59 | 0.00737 | 0.00745 |
| (4428.40, 4474.02] | 45.62 | 0.00737 | 0.00745 |
| (2816.31, 2862.61] | 46.3 | 0.00729 | 0.00738 |
| (14238.41, 14284.80] | 46.39 | 0.00727 | 0.00737 |
| (10788.83, 10836.26] | 47.43 | 0.00715 | 0.00726 |
| (14574.85, 14624.46] | 49.6 | 0.00690 | 0.00704 |
| (7224.97, 7274.70] | 49.73 | 0.00688 | 0.00702 |
| (17266.78, 17316.86] | 50.08 | 0.00684 | 0.00699 |
| (5134.14, 5184.37] | 50.23 | 0.00683 | 0.00697 |
| (7099.23, 7151.47] | 52.24 | 0.00660 | 0.00677 |
| (7172.24, 7224.97] | 52.73 | 0.00655 | 0.00673 |
| (11652.10, 11704.89] | 52.82 | 0.00654 | 0.00672 |
| (16568.02, 16620.88] | 52.86 | 0.00654 | 0.00672 |
| (10237.66, 10291.87] | 54.21 | 0.00639 | 0.00659 |
| (17006.27, 17061.48] | 55.21 | 0.00629 | 0.00649 |
| (5578.74, 5634.11] | 55.36 | 0.00627 | 0.00648 |
| (11377.62, 11433.51] | 55.89 | 0.00622 | 0.00643 |
| (996.69, 1053.33] | 56.64 | 0.00614 | 0.00636 |
| (6549.42, 6607.23] | 57.82 | 0.00603 | 0.00626 |
| (1629.36, 1687.86] | 58.5 | 0.00596 | 0.00619 |
| (3249.51, 3308.56] | 59.06 | 0.00591 | 0.00615 |
| (10502.47, 10565.74] | 63.27 | 0.00551 | 0.00579 |
| (13300.96, 13364.46] | 63.5 | 0.00549 | 0.00577 |
| (12932.58, 12996.86] | 64.28 | 0.00543 | 0.00570 |
| (12675.24, 12739.93] | 64.69 | 0.00539 | 0.00567 |
| (11311.21, 11377.62] | 66.41 | 0.00524 | 0.00553 |
| (16664.79, 16731.75] | 66.96 | 0.00519 | 0.00549 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (10291.87, 10359.53] | 67.66 | 0.00514 | 0.00543 |
| (18393.12, 18461.02] | 67.9 | 0.00512 | 0.00542 |
| (10993.14, 11061.05] | 67.91 | 0.00511 | 0.00541 |
| (11999.93, 12068.06] | 68.12 | 0.00510 | 0.00540 |
| (16240.63, 16308.98] | 68.36 | 0.00508 | 0.00538 |
| (11763.70, 11833.00] | 69.3 | 0.00500 | 0.00531 |
| (2523.48, 2593.35] | 69.87 | 0.00496 | 0.00527 |
| (8637.27, 8707.42] | 70.16 | 0.00493 | 0.00524 |
| (10707.40, 10778.16] | 70.76 | 0.00488 | 0.00520 |
| (6770.30, 6841.47] | 71.18 | 0.00485 | 0.00517 |
| (8718.36, 8790.52] | 72.15 | 0.00478 | 0.00510 |
| (2628.76, 2701.24] | 72.47 | 0.00475 | 0.00507 |
| (8790.52, 8863.22] | 72.7 | 0.00473 | 0.00506 |
| (3977.45, 4050.37] | 72.91 | 0.00472 | 0.00504 |
| (11236.98, 11311.21] | 74.23 | 0.00462 | 0.00495 |
| (5184.37, 5259.69] | 75.31 | 0.00454 | 0.00487 |
| (2873.05, 2948.94] | 75.89 | 0.00450 | 0.00483 |
| (7835.83, 7913.43] | 77.6 | 0.00438 | 0.00471 |
| (10359.53, 10437.34] | 77.81 | 0.00436 | 0.00470 |
| (12138.67, 12216.63] | 77.96 | 0.00435 | 0.00469 |
| (4688.52, 4767.10] | 78.58 | 0.00431 | 0.00465 |
| (3462.00, 3541.97] | 78.98 | 0.00428 | 0.00462 |
| (10845.98, 10926.96] | 80.98 | 0.00415 | 0.00449 |
| (6607.23, 6689.28] | 82.05 | 0.00408 | 0.00442 |
| (2335.67, 2418.00] | 82.33 | 0.00406 | 0.00441 |
| (9941.89, 10024.24] | 82.35 | 0.00406 | 0.00440 |
| (13364.46, 13448.21] | 83.75 | 0.00397 | 0.00432 |
| (13448.21, 13532.26] | 84.05 | 0.00395 | 0.00430 |
| (14289.93, 14374.29] | 84.36 | 0.00393 | 0.00428 |
| (15255.79, 15346.09] | 90.31 | 0.00358 | 0.00393 |
| (4796.00, 4889.36] | 93.35 | 0.00341 | 0.00376 |
| (2720.37, 2816.31] | 95.93 | 0.00327 | 0.00363 |
| (1077.53, 1173.77] | 96.24 | 0.00326 | 0.00361 |
| (2234.90, 2335.67] | 100.77 | 0.00303 | 0.00338 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (17785.34, 17886.81] | 101.48 | 0.00300 | 0.00335 |
| (4321.29, 4423.49] | 102.2 | 0.00297 | 0.00332 |
| (15590.57, 15695.28] | 104.71 | 0.00285 | 0.00320 |
| (14416.17, 14521.19] | 105.02 | 0.00284 | 0.00319 |
| (10602.05, 10707.40] | 105.35 | 0.00283 | 0.00317 |
| (2418.00, 2523.48] | 105.48 | 0.00282 | 0.00316 |
| (6255.08, 6362.63] | 107.55 | 0.00273 | 0.00307 |
| (17902.20, 18012.04] | 109.84 | 0.00264 | 0.00297 |
| (3765.55, 3875.68] | 110.13 | 0.00263 | 0.00296 |
| (4911.96, 5022.65] | 110.69 | 0.00260 | 0.00294 |
| (7274.70, 7385.68] | 110.97 | 0.00259 | 0.00293 |
| (15717.21, 15829.37] | 112.16 | 0.00254 | 0.00288 |
| (17392.99, 17508.40] | 115.41 | 0.00242 | 0.00275 |
| (1709.51, 1826.17] | 116.66 | 0.00238 | 0.00270 |
| (7673.25, 7790.70] | 117.45 | 0.00235 | 0.00267 |
| (4136.34, 4255.69] | 119.35 | 0.00228 | 0.00259 |
| (8472.48, 8594.61] | 122.13 | 0.00219 | 0.00249 |
| (14631.35, 14754.16] | 122.81 | 0.00216 | 0.00247 |
| (6943.01, 7068.59] | 125.58 | 0.00208 | 0.00237 |
| (13782.87, 13908.62] | 125.75 | 0.00207 | 0.00237 |
| (7521.08, 7647.02] | 125.94 | 0.00206 | 0.00236 |
| (1317.20, 1444.18] | 126.98 | 0.00203 | 0.00233 |
| (8161.30, 8289.45] | 128.16 | 0.00200 | 0.00229 |
| (14071.02, 14199.50] | 128.48 | 0.00199 | 0.00228 |
| (13941.33, 14071.02] | 129.69 | 0.00195 | 0.00224 |
| (4504.31, 4634.38] | 130.06 | 0.00194 | 0.00223 |
| (3329.01, 3462.00] | 133.98 | 0.00183 | 0.00211 |
| (16833.68, 16967.70] | 134.02 | 0.00183 | 0.00210 |
| (18257.93, 18393.12] | 135.19 | 0.00180 | 0.00207 |
| (7385.68, 7521.08] | 135.41 | 0.00179 | 0.00206 |
| (7952.75, 8090.07] | 137.32 | 0.00174 | 0.00201 |
| (3044.66, 3183.83] | 139.16 | 0.00170 | 0.00195 |
| (10097.24, 10237.66] | 140.42 | 0.00166 | 0.00192 |
| (5437.75, 5578.74] | 140.99 | 0.00165 | 0.00190 |

(lanjutan)

| Interval Waktu Kejadian | Waktu Antar Kejadian (x_i) | $f(x_i; \hat{\lambda}, \hat{\theta}, \hat{\epsilon})$ | $f(x_i; \hat{\lambda})$ |
|-------------------------|--------------------------------|---|-------------------------|
| (1173.77, 1317.20] | 143.43 | 0.00159 | 0.00184 |
| (15106.25, 15255.79] | 149.53 | 0.00146 | 0.00169 |
| (18022.93, 18179.29] | 156.36 | 0.00132 | 0.00153 |
| (11841.50, 11999.93] | 158.43 | 0.00128 | 0.00148 |
| (6390.69, 6549.42] | 158.72 | 0.00128 | 0.00148 |
| (14947.47, 15106.25] | 158.78 | 0.00128 | 0.00148 |
| (5259.69, 5427.44] | 167.76 | 0.00112 | 0.00130 |
| (15377.45, 15547.22] | 169.77 | 0.00109 | 0.00126 |
| (11061.05, 11236.98] | 175.93 | 0.00100 | 0.00116 |
| (8292.00, 8472.48] | 180.48 | 0.00094 | 0.00108 |
| (12216.63, 12397.55] | 180.93 | 0.00094 | 0.00108 |
| (1444.18, 1629.36] | 185.18 | 0.00088 | 0.00101 |
| (12746.95, 12932.58] | 185.63 | 0.00088 | 0.00101 |
| (14754.16, 14947.47] | 193.31 | 0.00079 | 0.00090 |
| (11433.51, 11638.32] | 204.81 | 0.00068 | 0.00076 |
| (17061.48, 17266.78] | 205.3 | 0.00067 | 0.00076 |
| (16349.61, 16568.02] | 218.4 | 0.00057 | 0.00063 |
| (5982.07, 6202.66] | 220.6 | 0.00055 | 0.00061 |
| (3541.97, 3765.55] | 223.57 | 0.00053 | 0.00058 |
| (18535.30, 18760.55] | 225.25 | 0.00052 | 0.00057 |
| (17557.60, 17783.43] | 225.83 | 0.00052 | 0.00057 |
| (755.70, 996.69] | 240.99 | 0.00043 | 0.00046 |
| (12408.83, 12657.61] | 248.77 | 0.00039 | 0.00041 |
| (13532.26, 13782.87] | 250.61 | 0.00038 | 0.00040 |
| (15829.37, 16092.91] | 263.53 | 0.00033 | 0.00033 |
| (490.76, 755.70] | 264.94 | 0.00032 | 0.00032 |
| (12996.86, 13279.11] | 282.26 | 0.00026 | 0.00025 |
| (5641.66, 5974.85] | 333.18 | 0.00015 | 0.00012 |
| (1826.17, 2207.76] | 381.59 | 0.00009 | 0.00006 |
| (8863.22, 9258.71] | 395.49 | 0.00008 | 0.00005 |
| (0.34, 490.76] | 490.42 | 0.00003 | 0.00001 |
| (9291.16, 9907.53] | 616.37 | 0.00001 | 0.00000 |

Lampiran 5. Daftar riwayat hidup**CURRICULUM VITAE****A. Data Pribadi**

1. Nama : Nurhidaya L
2. Tempat, Tanggal Lahir : Maros, 11 Juli 2000
3. Alamat : Jalan Ishak Dg. Masikki, Kabupaten Maros,
Sulawesi Selatan
4. Kewarganegaraan : Indonesia
5. Nomor HP : +6285298350763
6. Email : nurhidayalatif01@gmail.com
7. Bidang Ketertarikan : Analisis Regresi dan Proses Stokastik

B. Riwayat Pendidikan

1. Tamat SMA tahun 2018 di SMAN 3 Maros.
2. Sarjana (S1) tahun 2022 di Universitas Hasanuddin, Departemen Statistika, Program Studi Statistika.
3. Magister (S2) tahun 2024 di Universitas Hasanuddin, Departemen Statistika, Program Studi Magister Statistika.

C. Pekerjaan dan Riwayat Pekerjaan

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D. Karya Ilmiah

Nurhidaya, L., Herdiani, E. T., & Tinungki, G. M. (2023). Pemodelan Regresi Binomial Negatif Bivariat pada Data Jumlah Kematian Ibu dan Bayi di Provinsi Sulawesi Selatan Tahun 2020. *ESTIMASI: Journal of Statistics and Its Application*, 78-88.