



**LAMPIRAN**

Tabel 1.

**NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL EPHANECHNIKOV DENGAN BANDWITH 0.414**

| NO. | GRID | ESTIMASI | BIAS   | VARIAN | NO. | GRID | ESTIMASI | BIAS   | VARIAN |
|-----|------|----------|--------|--------|-----|------|----------|--------|--------|
| 1   | 1.19 | 0.00027  | 0.0257 | 0.004  | 45  | 1.58 | 0.18566  | 0.0257 | 0.0038 |
| 2   | 1.2  | 0.00054  | 0.0257 | 0.004  | 46  | 1.59 | 0.19456  | 0.0257 | 0.0038 |
| 3   | 1.21 | 0.00081  | 0.0257 | 0.004  | 47  | 1.59 | 0.20413  | 0.0257 | 0.0038 |
| 4   | 1.22 | 0.00106  | 0.0257 | 0.004  | 48  | 1.6  | 0.21352  | 0.0257 | 0.0038 |
| 5   | 1.23 | 0.00131  | 0.0257 | 0.004  | 49  | 1.61 | 0.22306  | 0.0257 | 0.0038 |
| 6   | 1.24 | 0.00156  | 0.0257 | 0.004  | 50  | 1.62 | 0.23285  | 0.0257 | 0.0038 |
| 7   | 1.25 | 0.0018   | 0.0257 | 0.004  | 51  | 1.63 | 0.24262  | 0.0257 | 0.0037 |
| 8   | 1.26 | 0.00203  | 0.0257 | 0.004  | 52  | 1.64 | 0.25204  | 0.0257 | 0.0037 |
| 9   | 1.26 | 0.00251  | 0.0257 | 0.004  | 53  | 1.65 | 0.26111  | 0.0257 | 0.0037 |
| 10  | 1.27 | 0.00301  | 0.0257 | 0.004  | 54  | 1.65 | 0.26983  | 0.0257 | 0.0037 |
| 11  | 1.28 | 0.00348  | 0.0257 | 0.004  | 55  | 1.66 | 0.27842  | 0.0257 | 0.0037 |
| 12  | 1.29 | 0.00408  | 0.0257 | 0.004  | 56  | 1.67 | 0.28708  | 0.0257 | 0.0036 |
| 13  | 1.3  | 0.00481  | 0.0257 | 0.004  | 57  | 1.68 | 0.29556  | 0.0257 | 0.0036 |
| 14  | 1.31 | 0.00552  | 0.0257 | 0.004  | 58  | 1.69 | 0.30396  | 0.0257 | 0.0036 |
| 15  | 1.32 | 0.00621  | 0.0257 | 0.004  | 59  | 1.7  | 0.31253  | 0.0257 | 0.0036 |
| 16  | 1.32 | 0.00716  | 0.0257 | 0.004  | 60  | 1.71 | 0.32071  | 0.0257 | 0.0036 |
| 17  | 1.33 | 0.00809  | 0.0257 | 0.004  | 61  | 1.72 | 0.32851  | 0.0257 | 0.0035 |
| 18  | 1.34 | 0.01016  | 0.0257 | 0.004  | 62  | 1.72 | 0.33617  | 0.0257 | 0.0035 |
| 19  | 1.35 | 0.01266  | 0.0257 | 0.004  | 63  | 1.73 | 0.34347  | 0.0257 | 0.0035 |
| 20  | 1.36 | 0.0151   | 0.0257 | 0.004  | 64  | 1.74 | 0.35054  | 0.0257 | 0.0035 |
| 21  | 1.37 | 0.01762  | 0.0257 | 0.004  | 65  | 1.75 | 0.35734  | 0.0257 | 0.0035 |
| 22  | 1.38 | 0.02049  | 0.0257 | 0.004  | 66  | 1.76 | 0.36389  | 0.0257 | 0.0034 |
| 23  | 1.39 | 0.0233   | 0.0257 | 0.004  | 67  | 1.77 | 0.37047  | 0.0257 | 0.0034 |
| 24  | 1.39 | 0.02706  | 0.0257 | 0.004  | 68  | 1.78 | 0.37689  | 0.0257 | 0.0034 |
| 25  | 1.4  | 0.0308   | 0.0257 | 0.004  | 69  | 1.78 | 0.38289  | 0.0257 | 0.0034 |
| 26  | 1.41 | 0.03497  | 0.0257 | 0.004  | 70  | 1.79 | 0.38916  | 0.0257 | 0.0034 |
| 27  | 1.42 | 0.04026  | 0.0257 | 0.004  | 71  | 1.8  | 0.39515  | 0.0257 | 0.0034 |
| 28  | 1.43 | 0.04641  | 0.0257 | 0.004  | 72  | 1.81 | 0.40085  | 0.0257 | 0.0033 |
| 29  | 1.44 | 0.05251  | 0.0257 | 0.004  | 73  | 1.82 | 0.40644  | 0.0257 | 0.0033 |
| 30  | 1.45 | 0.05891  | 0.0257 | 0.004  | 74  | 1.83 | 0.41195  | 0.0257 | 0.0033 |
| 31  | 1.45 | 0.06515  | 0.0257 | 0.004  | 75  | 1.84 | 0.41704  | 0.0257 | 0.0033 |
| 32  | 1.46 | 0.07313  | 0.0257 | 0.004  | 76  | 1.85 | 0.4222   | 0.0257 | 0.0033 |
| 33  | 1.47 | 0.08198  | 0.0257 | 0.0039 | 77  | 1.85 | 0.42691  | 0.0257 | 0.0032 |
| 34  | 1.48 | 0.09092  | 0.0257 | 0.0039 | 78  | 1.86 | 0.43136  | 0.0257 | 0.0032 |
| 35  | 1.49 | 0.09962  | 0.0257 | 0.0039 | 79  | 1.87 | 0.43557  | 0.0257 | 0.0032 |
| 36  | 1.5  | 0.10809  | 0.0257 | 0.0039 | 80  | 1.88 | 0.43944  | 0.0257 | 0.0032 |
| 37  | 1.51 | 0.11639  | 0.0257 | 0.0039 | 81  | 1.89 | 0.44291  | 0.0257 | 0.0032 |
| 38  | 1.52 | 0.12494  | 0.0257 | 0.0039 | 82  | 1.9  | 0.4461   | 0.0257 | 0.0032 |
| 39  | 1.52 | 0.13378  | 0.0257 | 0.0039 | 83  | 1.91 | 0.44882  | 0.0257 | 0.0032 |
| 40  | 1.53 | 0.14238  | 0.0257 | 0.0039 | 84  | 1.91 | 0.45132  | 0.0257 | 0.0032 |
| 41  | 1.54 | 0.15091  | 0.0257 | 0.0039 | 85  | 1.92 | 0.45359  | 0.0257 | 0.0032 |
| 42  | 1.55 | 0.15927  | 0.0257 | 0.0039 | 86  | 1.93 | 0.45541  | 0.0257 | 0.0032 |
| 43  | 1.56 | 0.16765  | 0.0257 | 0.0039 | 87  | 1.94 | 0.45688  | 0.0257 | 0.0031 |
| 44  | 1.57 | 0.17646  | 0.0257 | 0.0038 | 88  | 1.95 | 0.458    | 0.0257 | 0.0031 |

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DATA OLD FAITHUL GEYSER  
TYPE KERNEL EPHANECHNIKOV DENGAN BANDWITH 0.414**

| NO. | GRID | ESTIMASI | BIAS   | VARIAN | NO. | GRID | ESTIMASI | BIAS   | VARIAN |
|-----|------|----------|--------|--------|-----|------|----------|--------|--------|
| 89  | 1.96 | 0.45868  | 0.0257 | 0.0031 | 134 | 2.35 | 0.21783  | 0.0257 | 0.0038 |
| 90  | 1.97 | 0.4591   | 0.0257 | 0.0031 | 135 | 2.36 | 0.21205  | 0.0257 | 0.0038 |
| 91  | 1.98 | 0.45927  | 0.0257 | 0.0031 | 136 | 2.37 | 0.20604  | 0.0257 | 0.0038 |
| 92  | 1.98 | 0.45894  | 0.0257 | 0.0031 | 137 | 2.37 | 0.19996  | 0.0257 | 0.0038 |
| 93  | 1.99 | 0.45853  | 0.0257 | 0.0031 | 138 | 2.38 | 0.1936   | 0.0257 | 0.0038 |
| 94  | 2    | 0.45772  | 0.0257 | 0.0031 | 139 | 2.39 | 0.18787  | 0.0257 | 0.0038 |
| 95  | 2.01 | 0.45666  | 0.0257 | 0.0031 | 140 | 2.4  | 0.18269  | 0.0257 | 0.0038 |
| 96  | 2.02 | 0.45552  | 0.0257 | 0.0031 | 141 | 2.41 | 0.17746  | 0.0257 | 0.0038 |
| 97  | 2.03 | 0.45398  | 0.0257 | 0.0032 | 142 | 2.42 | 0.17247  | 0.0257 | 0.0039 |
| 98  | 2.04 | 0.45192  | 0.0257 | 0.0032 | 143 | 2.43 | 0.16786  | 0.0257 | 0.0039 |
| 99  | 2.04 | 0.44934  | 0.0257 | 0.0032 | 144 | 2.44 | 0.16313  | 0.0257 | 0.0039 |
| 100 | 2.05 | 0.44624  | 0.0257 | 0.0032 | 145 | 2.44 | 0.1589   | 0.0257 | 0.0039 |
| 101 | 2.06 | 0.44261  | 0.0257 | 0.0032 | 146 | 2.45 | 0.155    | 0.0257 | 0.0039 |
| 102 | 2.07 | 0.43861  | 0.0257 | 0.0032 | 147 | 2.46 | 0.15091  | 0.0257 | 0.0039 |
| 103 | 2.08 | 0.4342   | 0.0257 | 0.0032 | 148 | 2.47 | 0.14673  | 0.0257 | 0.0039 |
| 104 | 2.09 | 0.42941  | 0.0257 | 0.0032 | 149 | 2.48 | 0.14251  | 0.0257 | 0.0039 |
| 105 | 2.1  | 0.42423  | 0.0257 | 0.0033 | 150 | 2.49 | 0.13821  | 0.0257 | 0.0039 |
| 106 | 2.11 | 0.41854  | 0.0257 | 0.0033 | 151 | 2.5  | 0.13424  | 0.0257 | 0.0039 |
| 107 | 2.11 | 0.41232  | 0.0257 | 0.0033 | 152 | 2.5  | 0.13051  | 0.0257 | 0.0039 |
| 108 | 2.12 | 0.40586  | 0.0257 | 0.0033 | 153 | 2.51 | 0.12658  | 0.0257 | 0.0039 |
| 109 | 2.13 | 0.39888  | 0.0257 | 0.0033 | 154 | 2.52 | 0.12322  | 0.0257 | 0.0039 |
| 110 | 2.14 | 0.39138  | 0.0257 | 0.0034 | 155 | 2.53 | 0.11975  | 0.0257 | 0.0039 |
| 111 | 2.15 | 0.38352  | 0.0257 | 0.0034 | 156 | 2.54 | 0.1161   | 0.0257 | 0.0039 |
| 112 | 2.16 | 0.37527  | 0.0257 | 0.0034 | 157 | 2.55 | 0.1124   | 0.0257 | 0.0039 |
| 113 | 2.17 | 0.36695  | 0.0257 | 0.0034 | 158 | 2.56 | 0.10867  | 0.0257 | 0.0039 |
| 114 | 2.17 | 0.35937  | 0.0257 | 0.0035 | 159 | 2.57 | 0.10481  | 0.0257 | 0.0039 |
| 115 | 2.18 | 0.35131  | 0.0257 | 0.0035 | 160 | 2.57 | 0.10102  | 0.0257 | 0.0039 |
| 116 | 2.19 | 0.34278  | 0.0257 | 0.0035 | 161 | 2.58 | 0.09706  | 0.0257 | 0.0039 |
| 117 | 2.2  | 0.33422  | 0.0257 | 0.0035 | 162 | 2.59 | 0.0934   | 0.0257 | 0.0039 |
| 118 | 2.21 | 0.32541  | 0.0257 | 0.0036 | 163 | 2.6  | 0.08986  | 0.0257 | 0.0039 |
| 119 | 2.22 | 0.31692  | 0.0257 | 0.0036 | 164 | 2.61 | 0.08626  | 0.0257 | 0.0039 |
| 120 | 2.23 | 0.30875  | 0.0257 | 0.0036 | 165 | 2.62 | 0.08282  | 0.0257 | 0.0039 |
| 121 | 2.24 | 0.30028  | 0.0257 | 0.0036 | 166 | 2.63 | 0.07976  | 0.0257 | 0.0039 |
| 122 | 2.24 | 0.29211  | 0.0257 | 0.0036 | 167 | 2.63 | 0.07659  | 0.0257 | 0.0039 |
| 123 | 2.25 | 0.2854   | 0.0257 | 0.0036 | 168 | 2.64 | 0.07355  | 0.0257 | 0.004  |
| 124 | 2.26 | 0.27829  | 0.0257 | 0.0037 | 169 | 2.65 | 0.07089  | 0.0257 | 0.004  |
| 125 | 2.27 | 0.2712   | 0.0257 | 0.0037 | 170 | 2.66 | 0.0683   | 0.0257 | 0.004  |
| 126 | 2.28 | 0.26388  | 0.0257 | 0.0037 | 171 | 2.67 | 0.06607  | 0.0257 | 0.004  |
| 127 | 2.29 | 0.25711  | 0.0257 | 0.0037 | 172 | 2.68 | 0.06394  | 0.0257 | 0.004  |
| 128 | 2.3  | 0.25158  | 0.0257 | 0.0037 | 173 | 2.69 | 0.06179  | 0.0257 | 0.004  |
| 129 | 2.3  | 0.24654  | 0.0257 | 0.0037 | 174 | 2.7  | 0.05976  | 0.0257 | 0.004  |
| 130 | 2.31 | 0.24118  | 0.0257 | 0.0037 | 175 | 2.7  | 0.05787  | 0.0257 | 0.004  |
| 131 | 2.32 | 0.23551  | 0.0257 | 0.0038 | 176 | 2.71 | 0.05589  | 0.0257 | 0.004  |
| 132 | 2.33 | 0.22953  | 0.0257 | 0.0038 | 177 | 2.72 | 0.05403  | 0.0257 | 0.004  |



Tabel 1.

**NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL EPANECHNIKOV DENGAN BANDWITH 0.414**

| NO. | GRID | ESTIMASI | BIAS   | VARIAN | NO. | GRID | ESTIMASI | BIAS   | VARIAN |
|-----|------|----------|--------|--------|-----|------|----------|--------|--------|
| 179 | 2.74 | 0.05029  | 0.0257 | 0.004  | 224 | 3.13 | 0.05607  | 0.0257 | 0.004  |
| 180 | 2.75 | 0.04859  | 0.0257 | 0.004  | 225 | 3.14 | 0.05719  | 0.0257 | 0.004  |
| 181 | 2.76 | 0.04699  | 0.0257 | 0.004  | 226 | 3.15 | 0.05822  | 0.0257 | 0.004  |
| 182 | 2.76 | 0.04532  | 0.0257 | 0.004  | 227 | 3.15 | 0.05917  | 0.0257 | 0.004  |
| 183 | 2.77 | 0.04383  | 0.0257 | 0.004  | 228 | 3.16 | 0.06051  | 0.0257 | 0.004  |
| 184 | 2.78 | 0.04226  | 0.0257 | 0.004  | 229 | 3.17 | 0.06184  | 0.0257 | 0.004  |
| 185 | 2.79 | 0.04084  | 0.0257 | 0.004  | 230 | 3.18 | 0.06308  | 0.0257 | 0.004  |
| 186 | 2.8  | 0.03958  | 0.0257 | 0.004  | 231 | 3.19 | 0.06466  | 0.0257 | 0.004  |
| 187 | 2.81 | 0.03836  | 0.0257 | 0.004  | 232 | 3.2  | 0.0668   | 0.0257 | 0.004  |
| 188 | 2.82 | 0.03725  | 0.0257 | 0.004  | 233 | 3.21 | 0.06882  | 0.0257 | 0.004  |
| 189 | 2.83 | 0.03647  | 0.0257 | 0.004  | 234 | 3.22 | 0.07078  | 0.0257 | 0.004  |
| 190 | 2.83 | 0.03564  | 0.0257 | 0.004  | 235 | 3.22 | 0.07285  | 0.0257 | 0.004  |
| 191 | 2.84 | 0.03531  | 0.0257 | 0.004  | 236 | 3.23 | 0.07481  | 0.0257 | 0.004  |
| 192 | 2.85 | 0.03494  | 0.0257 | 0.004  | 237 | 3.24 | 0.07666  | 0.0257 | 0.0039 |
| 193 | 2.86 | 0.03454  | 0.0257 | 0.004  | 238 | 3.25 | 0.0784   | 0.0257 | 0.0039 |
| 194 | 2.87 | 0.03409  | 0.0257 | 0.004  | 239 | 3.26 | 0.08003  | 0.0257 | 0.0039 |
| 195 | 2.88 | 0.0336   | 0.0257 | 0.004  | 240 | 3.27 | 0.08159  | 0.0257 | 0.0039 |
| 196 | 2.89 | 0.03307  | 0.0257 | 0.004  | 241 | 3.28 | 0.08327  | 0.0257 | 0.0039 |
| 197 | 2.89 | 0.03252  | 0.0257 | 0.004  | 242 | 3.28 | 0.08484  | 0.0257 | 0.0039 |
| 198 | 2.9  | 0.03219  | 0.0257 | 0.004  | 243 | 3.29 | 0.08629  | 0.0257 | 0.0039 |
| 199 | 2.91 | 0.03201  | 0.0257 | 0.004  | 244 | 3.3  | 0.08789  | 0.0257 | 0.0039 |
| 200 | 2.92 | 0.03246  | 0.0257 | 0.004  | 245 | 3.31 | 0.08955  | 0.0257 | 0.0039 |
| 201 | 2.93 | 0.03338  | 0.0257 | 0.004  | 246 | 3.32 | 0.09151  | 0.0257 | 0.0039 |
| 202 | 2.94 | 0.03423  | 0.0257 | 0.004  | 247 | 3.33 | 0.09362  | 0.0257 | 0.0039 |
| 203 | 2.95 | 0.03501  | 0.0257 | 0.004  | 248 | 3.34 | 0.09563  | 0.0257 | 0.0039 |
| 204 | 2.96 | 0.03574  | 0.0257 | 0.004  | 249 | 3.35 | 0.09777  | 0.0257 | 0.0039 |
| 205 | 2.96 | 0.03665  | 0.0257 | 0.004  | 250 | 3.35 | 0.0998   | 0.0257 | 0.0039 |
| 206 | 2.97 | 0.03751  | 0.0257 | 0.004  | 251 | 3.36 | 0.10213  | 0.0257 | 0.0039 |
| 207 | 2.98 | 0.0383   | 0.0257 | 0.004  | 252 | 3.37 | 0.10445  | 0.0257 | 0.0039 |
| 208 | 2.99 | 0.03903  | 0.0257 | 0.004  | 253 | 3.38 | 0.10664  | 0.0257 | 0.0039 |
| 209 | 3    | 0.03968  | 0.0257 | 0.004  | 254 | 3.39 | 0.10869  | 0.0257 | 0.0039 |
| 210 | 3.01 | 0.04031  | 0.0257 | 0.004  | 255 | 3.4  | 0.1106   | 0.0257 | 0.0039 |
| 211 | 3.02 | 0.0411   | 0.0257 | 0.004  | 256 | 3.41 | 0.1124   | 0.0257 | 0.0039 |
| 212 | 3.02 | 0.04181  | 0.0257 | 0.004  | 257 | 3.42 | 0.11432  | 0.0257 | 0.0039 |
| 213 | 3.03 | 0.04245  | 0.0257 | 0.004  | 258 | 3.42 | 0.11731  | 0.0257 | 0.0039 |
| 214 | 3.04 | 0.04346  | 0.0257 | 0.004  | 259 | 3.43 | 0.1203   | 0.0257 | 0.0039 |
| 215 | 3.05 | 0.04473  | 0.0257 | 0.004  | 260 | 3.44 | 0.12344  | 0.0257 | 0.0039 |
| 216 | 3.06 | 0.04598  | 0.0257 | 0.004  | 261 | 3.45 | 0.12663  | 0.0257 | 0.0039 |
| 217 | 3.07 | 0.04716  | 0.0257 | 0.004  | 262 | 3.46 | 0.12965  | 0.0257 | 0.0039 |
| 218 | 3.08 | 0.04827  | 0.0257 | 0.004  | 263 | 3.47 | 0.13252  | 0.0257 | 0.0039 |
| 219 | 3.09 | 0.04932  | 0.0257 | 0.004  | 264 | 3.48 | 0.13544  | 0.0257 | 0.0039 |
| 220 | 3.09 | 0.0508   | 0.0257 | 0.004  | 265 | 3.48 | 0.13821  | 0.0257 | 0.0039 |
| 221 | 3.1  | 0.05224  | 0.0257 | 0.004  | 266 | 3.49 | 0.14104  | 0.0257 | 0.0039 |
| 222 | 3.11 | 0.0536   | 0.0257 | 0.004  | 267 | 3.5  | 0.1437   | 0.0257 | 0.0039 |
| 223 | 3.12 | 0.05487  | 0.0257 | 0.004  | 268 | 3.51 | 0.14659  | 0.0257 | 0.0039 |

Tabel 1.

**NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL EPANECHNIKOV DENGAN BANDWITH 0.414**

| NO. | GRID | ESTIMASI | BIAS   | VARIAN | NO. | GRID | ESTIMASI | BIAS   | VARIAN |
|-----|------|----------|--------|--------|-----|------|----------|--------|--------|
| 269 | 3.52 | 0.14971  | 0.0257 | 0.0039 | 314 | 3.91 | 0.34092  | 0.0257 | 0.0035 |
| 270 | 3.53 | 0.15262  | 0.0257 | 0.0039 | 315 | 3.92 | 0.34578  | 0.0257 | 0.0035 |
| 271 | 3.54 | 0.15536  | 0.0257 | 0.0039 | 316 | 3.93 | 0.35154  | 0.0257 | 0.0035 |
| 272 | 3.55 | 0.15843  | 0.0257 | 0.0039 | 317 | 3.94 | 0.35685  | 0.0257 | 0.0035 |
| 273 | 3.55 | 0.16129  | 0.0257 | 0.0039 | 318 | 3.94 | 0.36271  | 0.0257 | 0.0035 |
| 274 | 3.56 | 0.16434  | 0.0257 | 0.0039 | 319 | 3.95 | 0.36818  | 0.0257 | 0.0034 |
| 275 | 3.57 | 0.16732  | 0.0257 | 0.0039 | 320 | 3.96 | 0.37384  | 0.0257 | 0.0034 |
| 276 | 3.58 | 0.17008  | 0.0257 | 0.0039 | 321 | 3.97 | 0.37955  | 0.0257 | 0.0034 |
| 277 | 3.59 | 0.17308  | 0.0257 | 0.0039 | 322 | 3.98 | 0.3849   | 0.0257 | 0.0034 |
| 278 | 3.6  | 0.17703  | 0.0257 | 0.0038 | 323 | 3.99 | 0.39002  | 0.0257 | 0.0034 |
| 279 | 3.61 | 0.18073  | 0.0257 | 0.0038 | 324 | 4    | 0.39519  | 0.0257 | 0.0034 |
| 280 | 3.61 | 0.18417  | 0.0257 | 0.0038 | 325 | 4    | 0.39985  | 0.0257 | 0.0033 |
| 281 | 3.62 | 0.18781  | 0.0257 | 0.0038 | 326 | 4.01 | 0.40494  | 0.0257 | 0.0033 |
| 282 | 3.63 | 0.19128  | 0.0257 | 0.0038 | 327 | 4.02 | 0.41112  | 0.0257 | 0.0033 |
| 283 | 3.64 | 0.19463  | 0.0257 | 0.0038 | 328 | 4.03 | 0.417    | 0.0257 | 0.0033 |
| 284 | 3.65 | 0.19783  | 0.0257 | 0.0038 | 329 | 4.04 | 0.42269  | 0.0257 | 0.0033 |
| 285 | 3.66 | 0.20088  | 0.0257 | 0.0038 | 330 | 4.05 | 0.42836  | 0.0257 | 0.0032 |
| 286 | 3.67 | 0.20415  | 0.0257 | 0.0038 | 331 | 4.06 | 0.43353  | 0.0257 | 0.0032 |
| 287 | 3.68 | 0.20836  | 0.0257 | 0.0038 | 332 | 4.07 | 0.43868  | 0.0257 | 0.0032 |
| 288 | 3.68 | 0.21234  | 0.0257 | 0.0038 | 333 | 4.07 | 0.44353  | 0.0257 | 0.0032 |
| 289 | 3.69 | 0.21642  | 0.0257 | 0.0038 | 334 | 4.08 | 0.44785  | 0.0257 | 0.0032 |
| 290 | 3.7  | 0.22032  | 0.0257 | 0.0038 | 335 | 4.09 | 0.453    | 0.0257 | 0.0032 |
| 291 | 3.71 | 0.22413  | 0.0257 | 0.0038 | 336 | 4.1  | 0.45859  | 0.0257 | 0.0031 |
| 292 | 3.72 | 0.22807  | 0.0257 | 0.0038 | 337 | 4.11 | 0.46374  | 0.0257 | 0.0031 |
| 293 | 3.73 | 0.23207  | 0.0257 | 0.0038 | 338 | 4.12 | 0.46872  | 0.0257 | 0.0031 |
| 294 | 3.74 | 0.23578  | 0.0257 | 0.0038 | 339 | 4.13 | 0.47424  | 0.0257 | 0.0031 |
| 295 | 3.74 | 0.24053  | 0.0257 | 0.0037 | 340 | 4.13 | 0.47916  | 0.0257 | 0.0031 |
| 296 | 3.75 | 0.24597  | 0.0257 | 0.0037 | 341 | 4.14 | 0.48394  | 0.0257 | 0.003  |
| 297 | 3.76 | 0.2518   | 0.0257 | 0.0037 | 342 | 4.15 | 0.4884   | 0.0257 | 0.003  |
| 298 | 3.77 | 0.25778  | 0.0257 | 0.0037 | 343 | 4.16 | 0.49271  | 0.0257 | 0.003  |
| 299 | 3.78 | 0.26351  | 0.0257 | 0.0037 | 344 | 4.17 | 0.49738  | 0.0257 | 0.003  |
| 300 | 3.79 | 0.26907  | 0.0257 | 0.0037 | 345 | 4.18 | 0.50215  | 0.0257 | 0.003  |
| 301 | 3.8  | 0.27461  | 0.0257 | 0.0037 | 346 | 4.19 | 0.50657  | 0.0257 | 0.003  |
| 302 | 3.81 | 0.27979  | 0.0257 | 0.0037 | 347 | 4.2  | 0.51169  | 0.0257 | 0.0029 |
| 303 | 3.81 | 0.2846   | 0.0257 | 0.0037 | 348 | 4.2  | 0.51615  | 0.0257 | 0.0029 |
| 304 | 3.82 | 0.28965  | 0.0257 | 0.0036 | 349 | 4.21 | 0.52015  | 0.0257 | 0.0029 |
| 305 | 3.83 | 0.29452  | 0.0257 | 0.0036 | 350 | 4.22 | 0.52406  | 0.0257 | 0.0029 |
| 306 | 3.84 | 0.2997   | 0.0257 | 0.0036 | 351 | 4.23 | 0.52758  | 0.0257 | 0.0029 |
| 307 | 3.85 | 0.30516  | 0.0257 | 0.0036 | 352 | 4.24 | 0.53067  | 0.0257 | 0.0029 |
| 308 | 3.86 | 0.3103   | 0.0257 | 0.0036 | 353 | 4.25 | 0.53397  | 0.0257 | 0.0028 |
| 309 | 3.87 | 0.31556  | 0.0257 | 0.0036 | 354 | 4.26 | 0.53741  | 0.0257 | 0.0028 |
| 310 | 3.87 | 0.32117  | 0.0257 | 0.0036 | 355 | 4.26 | 0.54078  | 0.0257 | 0.0028 |
| 311 | 3.88 | 0.32635  | 0.0257 | 0.0036 | 356 | 4.27 | 0.54398  | 0.0257 | 0.0028 |
| 312 | 3.89 | 0.33149  | 0.0257 | 0.0035 | 357 | 4.28 | 0.54651  | 0.0257 | 0.0028 |



Tabel 1.

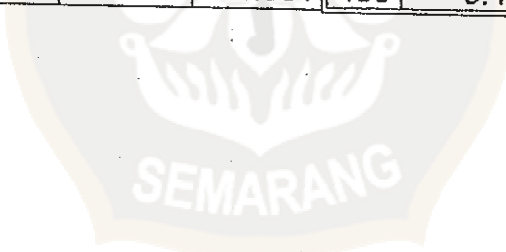
**NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL EPHANECHNIKOV DENGAN BANDWITH 0.414**

| NO. | GRID | ESTIMASI | BIAS   | VARIAN | NO. | GRID | ESTIMASI | BIAS   | VARIAN |
|-----|------|----------|--------|--------|-----|------|----------|--------|--------|
| 359 | 4.3  | 0.55233  | 0.0257 | 0.0028 | 404 | 4.69 | 0.45471  | 0.0257 | 0.0032 |
| 360 | 4.31 | 0.55483  | 0.0257 | 0.0028 | 405 | 4.7  | 0.4483   | 0.0257 | 0.0032 |
| 361 | 4.32 | 0.55686  | 0.0257 | 0.0027 | 406 | 4.71 | 0.44159  | 0.0257 | 0.0032 |
| 362 | 4.33 | 0.55844  | 0.0257 | 0.0027 | 407 | 4.72 | 0.43446  | 0.0257 | 0.0032 |
| 363 | 4.33 | 0.55936  | 0.0257 | 0.0027 | 408 | 4.72 | 0.42721  | 0.0257 | 0.0032 |
| 364 | 4.34 | 0.56059  | 0.0257 | 0.0027 | 409 | 4.73 | 0.41942  | 0.0257 | 0.0033 |
| 365 | 4.35 | 0.56119  | 0.0257 | 0.0027 | 410 | 4.74 | 0.41135  | 0.0257 | 0.0033 |
| 366 | 4.36 | 0.56124  | 0.0257 | 0.0027 | 411 | 4.75 | 0.40385  | 0.0257 | 0.0033 |
| 367 | 4.37 | 0.56115  | 0.0257 | 0.0027 | 412 | 4.76 | 0.39616  | 0.0257 | 0.0034 |
| 368 | 4.38 | 0.56078  | 0.0257 | 0.0027 | 413 | 4.77 | 0.38848  | 0.0257 | 0.0034 |
| 369 | 4.39 | 0.55994  | 0.0257 | 0.0027 | 414 | 4.78 | 0.38091  | 0.0257 | 0.0034 |
| 370 | 4.4  | 0.5604   | 0.0257 | 0.0027 | 415 | 4.79 | 0.37304  | 0.0257 | 0.0034 |
| 371 | 4.4  | 0.56014  | 0.0257 | 0.0027 | 416 | 4.79 | 0.36562  | 0.0257 | 0.0034 |
| 372 | 4.41 | 0.55957  | 0.0257 | 0.0027 | 417 | 4.8  | 0.35803  | 0.0257 | 0.0035 |
| 373 | 4.42 | 0.56013  | 0.0257 | 0.0027 | 418 | 4.81 | 0.34998  | 0.0257 | 0.0035 |
| 374 | 4.43 | 0.56051  | 0.0257 | 0.0027 | 419 | 4.82 | 0.34167  | 0.0257 | 0.0035 |
| 375 | 4.44 | 0.56026  | 0.0257 | 0.0027 | 420 | 4.83 | 0.333    | 0.0257 | 0.0035 |
| 376 | 4.45 | 0.55971  | 0.0257 | 0.0027 | 421 | 4.84 | 0.32434  | 0.0257 | 0.0036 |
| 377 | 4.46 | 0.55882  | 0.0257 | 0.0027 | 422 | 4.85 | 0.31604  | 0.0257 | 0.0036 |
| 378 | 4.46 | 0.55724  | 0.0257 | 0.0027 | 423 | 4.85 | 0.30774  | 0.0257 | 0.0036 |
| 379 | 4.47 | 0.55545  | 0.0257 | 0.0027 | 424 | 4.86 | 0.29903  | 0.0257 | 0.0036 |
| 380 | 4.48 | 0.55302  | 0.0257 | 0.0028 | 425 | 4.87 | 0.29071  | 0.0257 | 0.0036 |
| 381 | 4.49 | 0.55059  | 0.0257 | 0.0028 | 426 | 4.88 | 0.28203  | 0.0257 | 0.0037 |
| 382 | 4.5  | 0.54862  | 0.0257 | 0.0028 | 427 | 4.89 | 0.27332  | 0.0257 | 0.0037 |
| 383 | 4.51 | 0.54663  | 0.0257 | 0.0028 | 428 | 4.9  | 0.26455  | 0.0257 | 0.0037 |
| 384 | 4.52 | 0.54417  | 0.0257 | 0.0028 | 429 | 4.91 | 0.25555  | 0.0257 | 0.0037 |
| 385 | 4.53 | 0.54222  | 0.0257 | 0.0028 | 430 | 4.92 | 0.24658  | 0.0257 | 0.0037 |
| 386 | 4.53 | 0.5396   | 0.0257 | 0.0028 | 431 | 4.92 | 0.23907  | 0.0257 | 0.0037 |
| 387 | 4.54 | 0.53686  | 0.0257 | 0.0028 | 432 | 4.93 | 0.23123  | 0.0257 | 0.0038 |
| 388 | 4.55 | 0.53394  | 0.0257 | 0.0028 | 433 | 4.94 | 0.22331  | 0.0257 | 0.0038 |
| 389 | 4.56 | 0.53045  | 0.0257 | 0.0029 | 434 | 4.95 | 0.21611  | 0.0257 | 0.0038 |
| 390 | 4.57 | 0.52691  | 0.0257 | 0.0029 | 435 | 4.96 | 0.20899  | 0.0257 | 0.0038 |
| 391 | 4.58 | 0.52325  | 0.0257 | 0.0029 | 436 | 4.97 | 0.20169  | 0.0257 | 0.0038 |
| 392 | 4.59 | 0.51922  | 0.0257 | 0.0029 | 437 | 4.98 | 0.19426  | 0.0257 | 0.0038 |
| 393 | 4.59 | 0.51573  | 0.0257 | 0.0029 | 438 | 4.98 | 0.18664  | 0.0257 | 0.0038 |
| 394 | 4.6  | 0.51189  | 0.0257 | 0.0029 | 439 | 4.99 | 0.17947  | 0.0257 | 0.0038 |
| 395 | 4.61 | 0.50744  | 0.0257 | 0.003  | 440 | 5    | 0.1731   | 0.0257 | 0.0039 |
| 396 | 4.62 | 0.50275  | 0.0257 | 0.003  | 441 | 5.01 | 0.16653  | 0.0257 | 0.0039 |
| 397 | 4.63 | 0.49765  | 0.0257 | 0.003  | 442 | 5.02 | 0.16044  | 0.0257 | 0.0039 |
| 398 | 4.64 | 0.49195  | 0.0257 | 0.003  | 443 | 5.03 | 0.1545   | 0.0257 | 0.0039 |
| 399 | 4.65 | 0.48591  | 0.0257 | 0.003  | 444 | 5.04 | 0.14844  | 0.0257 | 0.0039 |
| 400 | 4.66 | 0.47984  | 0.0257 | 0.0031 | 445 | 5.05 | 0.14249  | 0.0257 | 0.0039 |
| 401 | 4.66 | 0.47345  | 0.0257 | 0.0031 | 446 | 5.05 | 0.13701  | 0.0257 | 0.0039 |
| 402 | 4.67 | 0.4676   | 0.0257 | 0.0031 | 447 | 5.06 | 0.13133  | 0.0257 | 0.0039 |
| 403 | 4.68 | 0.46119  | 0.0257 | 0.0031 | 448 | 5.07 | 0.12569  | 0.0257 | 0.0039 |

Tabel 1.

**NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL EPHANECHNIKOV DENGAN BANDWITH 0.414**

| NO. | GRID | ESTIMASI | BIAS   | VARIAN | NO. | GRID | ESTIMASI | BIAS   | VARIAN |
|-----|------|----------|--------|--------|-----|------|----------|--------|--------|
| 449 | 5.08 | 0.11988  | 0.0257 | 0.0039 | 469 | 5.25 | 0.03264  | 0.0257 | 0.004  |
| 450 | 5.09 | 0.1142   | 0.0257 | 0.0039 | 470 | 5.26 | 0.03042  | 0.0257 | 0.004  |
| 451 | 5.1  | 0.10856  | 0.0257 | 0.0039 | 471 | 5.27 | 0.02836  | 0.0257 | 0.004  |
| 452 | 5.11 | 0.10274  | 0.0257 | 0.0039 | 472 | 5.28 | 0.02629  | 0.0257 | 0.004  |
| 453 | 5.11 | 0.09694  | 0.0257 | 0.0039 | 473 | 5.29 | 0.02417  | 0.0257 | 0.004  |
| 454 | 5.12 | 0.09243  | 0.0257 | 0.0039 | 474 | 5.3  | 0.02209  | 0.0257 | 0.004  |
| 455 | 5.13 | 0.08777  | 0.0257 | 0.0039 | 475 | 5.31 | 0.02014  | 0.0257 | 0.004  |
| 456 | 5.14 | 0.08319  | 0.0257 | 0.0039 | 476 | 5.31 | 0.01816  | 0.0257 | 0.004  |
| 457 | 5.15 | 0.0787   | 0.0257 | 0.0039 | 477 | 5.32 | 0.01666  | 0.0257 | 0.004  |
| 458 | 5.16 | 0.07416  | 0.0257 | 0.004  | 478 | 5.33 | 0.01512  | 0.0257 | 0.004  |
| 459 | 5.17 | 0.06958  | 0.0257 | 0.004  | 479 | 5.34 | 0.01353  | 0.0257 | 0.004  |
| 460 | 5.18 | 0.06505  | 0.0257 | 0.004  | 480 | 5.35 | 0.01241  | 0.0257 | 0.004  |
| 461 | 5.18 | 0.0604   | 0.0257 | 0.004  | 481 | 5.36 | 0.0116   | 0.0257 | 0.004  |
| 462 | 5.19 | 0.05588  | 0.0257 | 0.004  | 482 | 5.37 | 0.01077  | 0.0257 | 0.004  |
| 463 | 5.2  | 0.05148  | 0.0257 | 0.004  | 483 | 5.38 | 0.00991  | 0.0257 | 0.004  |
| 464 | 5.21 | 0.04699  | 0.0257 | 0.004  | 484 | 5.38 | 0.00902  | 0.0257 | 0.004  |
| 465 | 5.22 | 0.04336  | 0.0257 | 0.004  | 485 | 5.39 | 0.00812  | 0.0257 | 0.004  |
| 466 | 5.23 | 0.04033  | 0.0257 | 0.004  | 486 | 5.4  | 0.00719  | 0.0257 | 0.004  |
| 467 | 5.24 | 0.03737  | 0.0257 | 0.004  | 487 | 5.41 | 0.00624  | 0.0257 | 0.004  |
| 468 | 5.25 | 0.0348   | 0.0257 | 0.004  | 488 | 5.42 | 0.00541  | 0.0257 | 0.004  |



Tabel 2

NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL TRIWEIGHT DENGAN BANDWITH 0.334

| NO | GRID | ESTIMASI | BIAS   | VARIAN  | NO | GRID | ESTIMASI | BIAS    | VARIAN |
|----|------|----------|--------|---------|----|------|----------|---------|--------|
| 1  | 1.27 | 0        | 0.038  | 0.00974 | 45 | 1.64 | 0.19704  | 0.02055 | 0.0087 |
| 2  | 1.28 | 0.00001  | 0.038  | 0.00974 | 46 | 1.65 | 0.21389  | 0.01845 | 0.0085 |
| 3  | 1.29 | 0.00004  | 0.038  | 0.00974 | 47 | 1.66 | 0.23119  | 0.01621 | 0.0083 |
| 4  | 1.3  | 0.00008  | 0.038  | 0.00974 | 48 | 1.67 | 0.24888  | 0.01386 | 0.008  |
| 5  | 1.31 | 0.00015  | 0.038  | 0.00974 | 49 | 1.67 | 0.26686  | 0.01141 | 0.0078 |
| 6  | 1.32 | 0.00025  | 0.038  | 0.00974 | 50 | 1.68 | 0.28508  | 0.00888 | 0.0076 |
| 7  | 1.32 | 0.00039  | 0.038  | 0.00974 | 51 | 1.69 | 0.30346  | 0.00628 | 0.0073 |
| 8  | 1.33 | 0.00056  | 0.0379 | 0.00974 | 52 | 1.7  | 0.32192  | 0.00364 | 0.007  |
| 9  | 1.34 | 0.00076  | 0.0379 | 0.00974 | 53 | 1.71 | 0.34039  | 0.00099 | 0.0067 |
| 10 | 1.35 | 0.001    | 0.0379 | 0.00974 | 54 | 1.72 | 0.35879  | 0.00167 | 0.0064 |
| 11 | 1.36 | 0.0013   | 0.0379 | 0.00974 | 55 | 1.73 | 0.37705  | 0.00429 | 0.0062 |
| 12 | 1.37 | 0.00164  | 0.0379 | 0.00974 | 56 | 1.73 | 0.39507  | 0.00685 | 0.0059 |
| 13 | 1.37 | 0.00205  | 0.0379 | 0.00974 | 57 | 1.74 | 0.41274  | 0.00933 | 0.0056 |
| 14 | 1.38 | 0.00252  | 0.0379 | 0.00974 | 58 | 1.75 | 0.42997  | 0.01169 | 0.0053 |
| 15 | 1.39 | 0.00307  | 0.0378 | 0.00974 | 59 | 1.76 | 0.44667  | 0.01393 | 0.005  |
| 16 | 1.4  | 0.00369  | 0.0378 | 0.00974 | 60 | 1.77 | 0.46275  | 0.01602 | 0.0047 |
| 17 | 1.41 | 0.00441  | 0.0378 | 0.00974 | 61 | 1.78 | 0.47812  | 0.01795 | 0.0045 |
| 18 | 1.42 | 0.00522  | 0.0377 | 0.00974 | 62 | 1.78 | 0.49271  | 0.01971 | 0.0042 |
| 19 | 1.42 | 0.00615  | 0.0377 | 0.00974 | 63 | 1.79 | 0.50646  | 0.02129 | 0.004  |
| 20 | 1.43 | 0.00723  | 0.0376 | 0.00974 | 64 | 1.8  | 0.5193   | 0.0227  | 0.0038 |
| 21 | 1.44 | 0.00851  | 0.0376 | 0.00974 | 65 | 1.81 | 0.53115  | 0.02393 | 0.0036 |
| 22 | 1.45 | 0.01001  | 0.0375 | 0.00973 | 66 | 1.82 | 0.54196  | 0.02499 | 0.0034 |
| 23 | 1.46 | 0.01179  | 0.0374 | 0.00973 | 67 | 1.83 | 0.55167  | 0.0259  | 0.0033 |
| 24 | 1.47 | 0.01385  | 0.0373 | 0.00973 | 68 | 1.83 | 0.56023  | 0.02665 | 0.0032 |
| 25 | 1.47 | 0.01624  | 0.0371 | 0.00973 | 69 | 1.84 | 0.5676   | 0.02727 | 0.003  |
| 26 | 1.48 | 0.01899  | 0.037  | 0.00973 | 70 | 1.85 | 0.57375  | 0.02776 | 0.0029 |
| 27 | 1.49 | 0.02214  | 0.0368 | 0.00972 | 71 | 1.86 | 0.57866  | 0.02813 | 0.0029 |
| 28 | 1.5  | 0.02572  | 0.0366 | 0.00972 | 72 | 1.87 | 0.58234  | 0.0284  | 0.0028 |
| 29 | 1.51 | 0.0298   | 0.0364 | 0.00971 | 73 | 1.88 | 0.58478  | 0.02857 | 0.0028 |
| 30 | 1.52 | 0.03444  | 0.0361 | 0.0097  | 74 | 1.88 | 0.58599  | 0.02866 | 0.0028 |
| 31 | 1.52 | 0.03969  | 0.0357 | 0.00969 | 75 | 1.89 | 0.58602  | 0.02866 | 0.0028 |
| 32 | 1.53 | 0.04562  | 0.0353 | 0.00968 | 76 | 1.9  | 0.58489  | 0.02858 | 0.0028 |
| 33 | 1.54 | 0.05224  | 0.0349 | 0.00966 | 77 | 1.91 | 0.58265  | 0.02842 | 0.0028 |
| 34 | 1.55 | 0.0596   | 0.0343 | 0.00963 | 78 | 1.92 | 0.57935  | 0.02818 | 0.0029 |
| 35 | 1.56 | 0.06779  | 0.0337 | 0.0096  | 79 | 1.93 | 0.57505  | 0.02786 | 0.0029 |
| 36 | 1.57 | 0.07685  | 0.033  | 0.00957 | 80 | 1.93 | 0.56981  | 0.02745 | 0.003  |
| 37 | 1.57 | 0.08681  | 0.0322 | 0.00952 | 81 | 1.94 | 0.56372  | 0.02695 | 0.0031 |
| 38 | 1.58 | 0.09769  | 0.0312 | 0.00946 | 82 | 1.95 | 0.55683  | 0.02636 | 0.0032 |
| 39 | 1.59 | 0.10947  | 0.0301 | 0.00939 | 83 | 1.96 | 0.54925  | 0.02568 | 0.0033 |
| 40 | 1.6  | 0.12212  | 0.0289 | 0.00931 | 84 | 1.97 | 0.54105  | 0.02491 | 0.0034 |
| 41 | 1.61 | 0.13562  | 0.0275 | 0.00921 | 85 | 1.98 | 0.53233  | 0.02405 | 0.0036 |
| 42 | 1.62 | 0.14992  | 0.026  | 0.0091  | 86 | 1.98 | 0.52316  | 0.0231  | 0.0037 |
| 43 | 1.62 | 0.16498  | 0.0243 | 0.00896 | 87 | 1.99 | 0.51363  | 0.02208 | 0.0039 |
| 44 | 1.63 | 0.18071  | 0.0225 | 0.00881 | 88 | 2    | 0.50383  | 0.02099 | 0.0041 |



Tabel 2

NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL TRIWEIGHT DENGAN BANDWITH 0.334

| NO  | GRID | ESTIMASI | BIAS   | VARIAN  | NO  | GRID | ESTIMASI | BIAS    | VARIAN |
|-----|------|----------|--------|---------|-----|------|----------|---------|--------|
| 89  | 2.01 | 0.49383  | 0.0198 | 0.00421 | 134 | 2.39 | 0.19616  | 0.02066 | 0.0087 |
| 90  | 2.02 | 0.48372  | 0.0186 | 0.00438 | 135 | 2.39 | 0.18928  | 0.0215  | 0.0087 |
| 91  | 2.03 | 0.47357  | 0.0174 | 0.00455 | 136 | 2.4  | 0.18238  | 0.02232 | 0.0088 |
| 92  | 2.03 | 0.46346  | 0.0161 | 0.00471 | 137 | 2.41 | 0.17548  | 0.02314 | 0.0089 |
| 93  | 2.04 | 0.45345  | 0.0148 | 0.00488 | 138 | 2.42 | 0.16859  | 0.02393 | 0.0089 |
| 94  | 2.05 | 0.4436   | 0.0135 | 0.00505 | 139 | 2.43 | 0.16173  | 0.02471 | 0.009  |
| 95  | 2.06 | 0.43397  | 0.0122 | 0.00521 | 140 | 2.44 | 0.15492  | 0.02547 | 0.0091 |
| 96  | 2.07 | 0.4246   | 0.011  | 0.00536 | 141 | 2.44 | 0.14818  | 0.0262  | 0.0091 |
| 97  | 2.08 | 0.41552  | 0.0097 | 0.00551 | 142 | 2.45 | 0.14154  | 0.02691 | 0.0092 |
| 98  | 2.08 | 0.40676  | 0.0085 | 0.00566 | 143 | 2.46 | 0.13501  | 0.0276  | 0.0092 |
| 99  | 2.09 | 0.39833  | 0.0073 | 0.0058  | 144 | 2.47 | 0.12864  | 0.02825 | 0.0093 |
| 100 | 2.1  | 0.39028  | 0.0062 | 0.00593 | 145 | 2.48 | 0.12242  | 0.02887 | 0.0093 |
| 101 | 2.11 | 0.38264  | 0.0051 | 0.00606 | 146 | 2.49 | 0.1164   | 0.02946 | 0.0094 |
| 102 | 2.12 | 0.37541  | 0.0041 | 0.00617 | 147 | 2.49 | 0.11057  | 0.03002 | 0.0094 |
| 103 | 2.13 | 0.3686   | 0.0031 | 0.00628 | 148 | 2.5  | 0.10496  | 0.03054 | 0.0094 |
| 104 | 2.13 | 0.36218  | 0.0022 | 0.00639 | 149 | 2.51 | 0.09956  | 0.03104 | 0.0095 |
| 105 | 2.14 | 0.35612  | 0.0013 | 0.00648 | 150 | 2.52 | 0.09438  | 0.0315  | 0.0095 |
| 106 | 2.15 | 0.35037  | 0.0005 | 0.00657 | 151 | 2.53 | 0.08943  | 0.03193 | 0.0095 |
| 107 | 2.16 | 0.34489  | 0.0003 | 0.00666 | 152 | 2.54 | 0.08469  | 0.03234 | 0.0095 |
| 108 | 2.17 | 0.33962  | 0.0011 | 0.00674 | 153 | 2.54 | 0.08017  | 0.03271 | 0.0096 |
| 109 | 2.18 | 0.33452  | 0.0018 | 0.00682 | 154 | 2.55 | 0.07587  | 0.03307 | 0.0096 |
| 110 | 2.18 | 0.32957  | 0.0025 | 0.0069  | 155 | 2.56 | 0.07179  | 0.03339 | 0.0096 |
| 111 | 2.19 | 0.32471  | 0.0032 | 0.00697 | 156 | 2.57 | 0.06793  | 0.0337  | 0.0096 |
| 112 | 2.2  | 0.31991  | 0.0039 | 0.00704 | 157 | 2.58 | 0.0643   | 0.03397 | 0.0096 |
| 113 | 2.21 | 0.31511  | 0.0046 | 0.00712 | 158 | 2.59 | 0.06092  | 0.03423 | 0.0096 |
| 114 | 2.22 | 0.31028  | 0.0053 | 0.00719 | 159 | 2.59 | 0.0578   | 0.03446 | 0.0096 |
| 115 | 2.23 | 0.3054   | 0.006  | 0.00726 | 160 | 2.6  | 0.05493  | 0.03467 | 0.0097 |
| 116 | 2.23 | 0.30049  | 0.0067 | 0.00733 | 161 | 2.61 | 0.05233  | 0.03486 | 0.0097 |
| 117 | 2.24 | 0.29555  | 0.0074 | 0.0074  | 162 | 2.62 | 0.05     | 0.03502 | 0.0097 |
| 118 | 2.25 | 0.29057  | 0.0081 | 0.00747 | 163 | 2.63 | 0.04793  | 0.03516 | 0.0097 |
| 119 | 2.26 | 0.28554  | 0.0088 | 0.00754 | 164 | 2.64 | 0.04614  | 0.03529 | 0.0097 |
| 120 | 2.27 | 0.28044  | 0.0095 | 0.00762 | 165 | 2.64 | 0.0446   | 0.03539 | 0.0097 |
| 121 | 2.28 | 0.27527  | 0.0103 | 0.00769 | 166 | 2.65 | 0.04331  | 0.03548 | 0.0097 |
| 122 | 2.28 | 0.27     | 0.011  | 0.00776 | 167 | 2.66 | 0.04225  | 0.03555 | 0.0097 |
| 123 | 2.29 | 0.26463  | 0.0117 | 0.00783 | 168 | 2.67 | 0.04141  | 0.03561 | 0.0097 |
| 124 | 2.3  | 0.25914  | 0.0125 | 0.0079  | 169 | 2.68 | 0.04077  | 0.03565 | 0.0097 |
| 125 | 2.31 | 0.25351  | 0.0132 | 0.00798 | 170 | 2.69 | 0.04032  | 0.03568 | 0.0097 |
| 126 | 2.32 | 0.24773  | 0.014  | 0.00805 | 171 | 2.69 | 0.04002  | 0.0357  | 0.0097 |
| 127 | 2.33 | 0.2418   | 0.0148 | 0.00813 | 172 | 2.7  | 0.03986  | 0.03571 | 0.0097 |
| 128 | 2.33 | 0.2357   | 0.0156 | 0.0082  | 173 | 2.71 | 0.03981  | 0.03571 | 0.0097 |
| 129 | 2.34 | 0.22944  | 0.0164 | 0.00828 | 174 | 2.72 | 0.03984  | 0.03571 | 0.0097 |
| 130 | 2.35 | 0.22303  | 0.0173 | 0.00836 | 175 | 2.73 | 0.03993  | 0.0357  | 0.0097 |
| 131 | 2.36 | 0.21647  | 0.0181 | 0.00843 | 176 | 2.74 | 0.04004  | 0.0357  | 0.0097 |
| 132 | 2.37 | 0.20979  | 0.019  | 0.00851 | 177 | 2.74 | 0.04017  | 0.03569 | 0.0097 |
| 133 | 2.38 | 0.20301  | 0.0198 | 0.00858 | 178 | 2.75 | 0.04028  | 0.03568 | 0.0097 |

Tabel 2

NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL TRIWEIGHT DENGAN BANDWITH 0.334

| NO  | GRID | ESTIMASI | BIAS   | VARIAN  | NO  | GRID | ESTIMASI | BIAS    | VARIAN |
|-----|------|----------|--------|---------|-----|------|----------|---------|--------|
| 179 | 2.76 | 0.04038  | 0.0357 | 0.00969 | 224 | 3.14 | 0.03303  | 0.03615 | 0.0097 |
| 180 | 2.77 | 0.04046  | 0.0357 | 0.00969 | 225 | 3.15 | 0.03506  | 0.03602 | 0.0097 |
| 181 | 2.78 | 0.04053  | 0.0357 | 0.00969 | 226 | 3.15 | 0.03729  | 0.03588 | 0.0097 |
| 182 | 2.79 | 0.04057  | 0.0357 | 0.00969 | 227 | 3.16 | 0.03971  | 0.03572 | 0.0097 |
| 183 | 2.79 | 0.0406   | 0.0357 | 0.00969 | 228 | 3.17 | 0.04231  | 0.03555 | 0.0097 |
| 184 | 2.8  | 0.04061  | 0.0357 | 0.00969 | 229 | 3.18 | 0.04507  | 0.03536 | 0.0097 |
| 185 | 2.81 | 0.04058  | 0.0357 | 0.00969 | 230 | 3.19 | 0.04798  | 0.03516 | 0.0097 |
| 186 | 2.82 | 0.04053  | 0.0357 | 0.00969 | 231 | 3.2  | 0.05103  | 0.03495 | 0.0097 |
| 187 | 2.83 | 0.04044  | 0.0357 | 0.00969 | 232 | 3.2  | 0.05421  | 0.03472 | 0.0097 |
| 188 | 2.84 | 0.04032  | 0.0357 | 0.00969 | 233 | 3.21 | 0.05747  | 0.03448 | 0.0096 |
| 189 | 2.84 | 0.04017  | 0.0357 | 0.00969 | 234 | 3.22 | 0.06081  | 0.03424 | 0.0096 |
| 190 | 2.85 | 0.04     | 0.0357 | 0.00969 | 235 | 3.23 | 0.06418  | 0.03398 | 0.0096 |
| 191 | 2.86 | 0.03979  | 0.0357 | 0.00969 | 236 | 3.24 | 0.06756  | 0.03372 | 0.0096 |
| 192 | 2.87 | 0.03955  | 0.0357 | 0.00969 | 237 | 3.25 | 0.07093  | 0.03346 | 0.0096 |
| 193 | 2.88 | 0.03929  | 0.0358 | 0.00969 | 238 | 3.25 | 0.07428  | 0.03319 | 0.0096 |
| 194 | 2.89 | 0.03899  | 0.0358 | 0.00969 | 239 | 3.26 | 0.07761  | 0.03293 | 0.0096 |
| 195 | 2.89 | 0.03867  | 0.0358 | 0.00969 | 240 | 3.27 | 0.08089  | 0.03265 | 0.0096 |
| 196 | 2.9  | 0.03831  | 0.0358 | 0.00969 | 241 | 3.28 | 0.08414  | 0.03238 | 0.0095 |
| 197 | 2.91 | 0.03793  | 0.0358 | 0.0097  | 242 | 3.29 | 0.08738  | 0.03211 | 0.0095 |
| 198 | 2.92 | 0.0375   | 0.0359 | 0.0097  | 243 | 3.3  | 0.0906   | 0.03183 | 0.0095 |
| 199 | 2.93 | 0.03704  | 0.0359 | 0.0097  | 244 | 3.3  | 0.09382  | 0.03155 | 0.0095 |
| 200 | 2.94 | 0.03652  | 0.0359 | 0.0097  | 245 | 3.31 | 0.09702  | 0.03126 | 0.0095 |
| 201 | 2.94 | 0.03596  | 0.036  | 0.0097  | 246 | 3.32 | 0.10021  | 0.03098 | 0.0095 |
| 202 | 2.95 | 0.03533  | 0.036  | 0.0097  | 247 | 3.33 | 0.10338  | 0.03069 | 0.0094 |
| 203 | 2.96 | 0.03463  | 0.0361 | 0.0097  | 248 | 3.34 | 0.1065   | 0.0304  | 0.0094 |
| 204 | 2.97 | 0.03385  | 0.0361 | 0.0097  | 249 | 3.35 | 0.10957  | 0.03011 | 0.0094 |
| 205 | 2.98 | 0.03301  | 0.0362 | 0.00971 | 250 | 3.35 | 0.11257  | 0.02983 | 0.0094 |
| 206 | 2.99 | 0.03209  | 0.0362 | 0.00971 | 251 | 3.36 | 0.11549  | 0.02955 | 0.0094 |
| 207 | 2.99 | 0.03112  | 0.0363 | 0.00971 | 252 | 3.37 | 0.1183   | 0.02928 | 0.0093 |
| 208 | 3    | 0.03011  | 0.0363 | 0.00971 | 253 | 3.38 | 0.121    | 0.02901 | 0.0093 |
| 209 | 3.01 | 0.02911  | 0.0364 | 0.00971 | 254 | 3.39 | 0.12357  | 0.02876 | 0.0093 |
| 210 | 3.02 | 0.02815  | 0.0365 | 0.00971 | 255 | 3.4  | 0.12598  | 0.02852 | 0.0093 |
| 211 | 3.03 | 0.02726  | 0.0365 | 0.00972 | 256 | 3.4  | 0.12823  | 0.02829 | 0.0093 |
| 212 | 3.04 | 0.0265   | 0.0366 | 0.00972 | 257 | 3.41 | 0.13031  | 0.02808 | 0.0093 |
| 213 | 3.05 | 0.02587  | 0.0366 | 0.00972 | 258 | 3.42 | 0.13222  | 0.02788 | 0.0092 |
| 214 | 3.05 | 0.02541  | 0.0366 | 0.00972 | 259 | 3.43 | 0.13396  | 0.02771 | 0.0092 |
| 215 | 3.06 | 0.02514  | 0.0366 | 0.00972 | 260 | 3.44 | 0.13553  | 0.02754 | 0.0092 |
| 216 | 3.07 | 0.02509  | 0.0366 | 0.00972 | 261 | 3.45 | 0.13695  | 0.0274  | 0.0092 |
| 217 | 3.08 | 0.02526  | 0.0366 | 0.00972 | 262 | 3.45 | 0.13823  | 0.02726 | 0.0092 |
| 218 | 3.09 | 0.02566  | 0.0366 | 0.00972 | 263 | 3.46 | 0.13938  | 0.02714 | 0.0092 |
| 219 | 3.1  | 0.02629  | 0.0366 | 0.00972 | 264 | 3.47 | 0.14042  | 0.02703 | 0.0092 |
| 220 | 3.1  | 0.02716  | 0.0365 | 0.00972 | 265 | 3.48 | 0.14136  | 0.02693 | 0.0092 |
| 221 | 3.11 | 0.02828  | 0.0364 | 0.00971 | 266 | 3.49 | 0.14219  | 0.02684 | 0.0092 |
| 222 | 3.12 | 0.02964  | 0.0364 | 0.00971 | 267 | 3.5  | 0.14293  | 0.02677 | 0.0092 |
| 223 | 3.13 | 0.03122  | 0.0363 | 0.00971 | 268 | 3.5  | 0.1436   | 0.02669 | 0.0092 |



Tabel 2

NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL TRIWEIGHT DENGAN BANDWIDTH 0.334

| NO  | GRID | ESTIMASI | BIAS   | VARIAN  | NO  | GRID | ESTIMASI | BIAS    | VARIAN |
|-----|------|----------|--------|---------|-----|------|----------|---------|--------|
| 269 | 3.51 | 0.14425  | 0.0266 | 0.00914 | 314 | 3.89 | 0.32366  | 0.00339 | 0.0097 |
| 270 | 3.52 | 0.1449   | 0.0266 | 0.00914 | 315 | 3.9  | 0.33117  | 0.00231 | 0.0097 |
| 271 | 3.53 | 0.14562  | 0.0265 | 0.00913 | 316 | 3.91 | 0.33872  | 0.00123 | 0.0097 |
| 272 | 3.54 | 0.14643  | 0.0264 | 0.00912 | 317 | 3.91 | 0.34625  | 0.00014 | 0.0097 |
| 273 | 3.55 | 0.14738  | 0.0263 | 0.00912 | 318 | 3.92 | 0.35373  | 0.00094 | 0.0097 |
| 274 | 3.55 | 0.14848  | 0.0262 | 0.00911 | 319 | 3.93 | 0.36113  | 0.002   | 0.0097 |
| 275 | 3.56 | 0.14976  | 0.026  | 0.0091  | 320 | 3.94 | 0.36841  | 0.00305 | 0.0097 |
| 276 | 3.57 | 0.15124  | 0.0259 | 0.00908 | 321 | 3.95 | 0.37556  | 0.00407 | 0.0097 |
| 277 | 3.58 | 0.15292  | 0.0257 | 0.00907 | 322 | 3.96 | 0.38257  | 0.00507 | 0.0097 |
| 278 | 3.59 | 0.1548   | 0.0255 | 0.00905 | 323 | 3.96 | 0.38945  | 0.00605 | 0.0096 |
| 279 | 3.6  | 0.15689  | 0.0253 | 0.00904 | 324 | 3.97 | 0.39618  | 0.00701 | 0.0096 |
| 280 | 3.6  | 0.15919  | 0.025  | 0.00902 | 325 | 3.98 | 0.40277  | 0.00793 | 0.0096 |
| 281 | 3.61 | 0.1617   | 0.0247 | 0.00899 | 326 | 3.99 | 0.40919  | 0.00883 | 0.0096 |
| 282 | 3.62 | 0.16441  | 0.0244 | 0.00897 | 327 | 4    | 0.41545  | 0.0097  | 0.0096 |
| 283 | 3.63 | 0.16731  | 0.0241 | 0.00894 | 328 | 4.01 | 0.42151  | 0.01054 | 0.0096 |
| 284 | 3.64 | 0.17038  | 0.0237 | 0.00891 | 329 | 4.01 | 0.4274   | 0.01134 | 0.0096 |
| 285 | 3.65 | 0.17361  | 0.0234 | 0.00888 | 330 | 4.02 | 0.43312  | 0.01212 | 0.0096 |
| 286 | 3.65 | 0.17697  | 0.023  | 0.00885 | 331 | 4.03 | 0.43868  | 0.01287 | 0.0095 |
| 287 | 3.66 | 0.18043  | 0.0226 | 0.00882 | 332 | 4.04 | 0.44409  | 0.01359 | 0.0095 |
| 288 | 3.67 | 0.18395  | 0.0221 | 0.00878 | 333 | 4.05 | 0.44936  | 0.01428 | 0.0095 |
| 289 | 3.68 | 0.18755  | 0.0217 | 0.00875 | 334 | 4.06 | 0.45451  | 0.01496 | 0.0095 |
| 290 | 3.69 | 0.19125  | 0.0213 | 0.00871 | 335 | 4.06 | 0.45955  | 0.01561 | 0.0095 |
| 291 | 3.7  | 0.19506  | 0.0208 | 0.00867 | 336 | 4.07 | 0.46447  | 0.01624 | 0.0095 |
| 292 | 3.71 | 0.199    | 0.0203 | 0.00863 | 337 | 4.08 | 0.46926  | 0.01685 | 0.0094 |
| 293 | 3.71 | 0.20306  | 0.0198 | 0.00858 | 338 | 4.09 | 0.47392  | 0.01743 | 0.0094 |
| 294 | 3.72 | 0.20727  | 0.0193 | 0.00854 | 339 | 4.1  | 0.47843  | 0.01799 | 0.0094 |
| 295 | 3.73 | 0.21161  | 0.0187 | 0.00849 | 340 | 4.11 | 0.4828   | 0.01852 | 0.0094 |
| 296 | 3.74 | 0.21608  | 0.0182 | 0.00844 | 341 | 4.11 | 0.48702  | 0.01903 | 0.0094 |
| 297 | 3.75 | 0.22067  | 0.0176 | 0.00838 | 342 | 4.12 | 0.4911   | 0.01951 | 0.0093 |
| 298 | 3.76 | 0.22538  | 0.017  | 0.00833 | 343 | 4.13 | 0.49505  | 0.01998 | 0.0093 |
| 299 | 3.76 | 0.23023  | 0.0163 | 0.00827 | 344 | 4.14 | 0.49885  | 0.02042 | 0.0093 |
| 300 | 3.77 | 0.23524  | 0.0157 | 0.00821 | 345 | 4.15 | 0.50249  | 0.02084 | 0.0093 |
| 301 | 3.78 | 0.24041  | 0.015  | 0.00814 | 346 | 4.16 | 0.50596  | 0.02123 | 0.0093 |
| 302 | 3.79 | 0.24576  | 0.0143 | 0.00808 | 347 | 4.16 | 0.50922  | 0.0216  | 0.0093 |
| 303 | 3.8  | 0.25128  | 0.0135 | 0.00801 | 348 | 4.17 | 0.51225  | 0.02193 | 0.0092 |
| 304 | 3.81 | 0.25697  | 0.0128 | 0.00793 | 349 | 4.18 | 0.51507  | 0.02224 | 0.0092 |
| 305 | 3.81 | 0.26285  | 0.012  | 0.00786 | 350 | 4.19 | 0.51773  | 0.02253 | 0.0092 |
| 306 | 3.82 | 0.2689   | 0.0111 | 0.00777 | 351 | 4.2  | 0.52027  | 0.0228  | 0.0092 |
| 307 | 3.83 | 0.27513  | 0.0103 | 0.00769 | 352 | 4.21 | 0.52272  | 0.02306 | 0.0092 |
| 308 | 3.84 | 0.28153  | 0.0094 | 0.0076  | 353 | 4.21 | 0.52514  | 0.02331 | 0.0092 |
| 309 | 3.85 | 0.2881   | 0.0085 | 0.00751 | 354 | 4.22 | 0.52756  | 0.02356 | 0.0092 |
| 310 | 3.86 | 0.29486  | 0.0075 | 0.00741 | 355 | 4.23 | 0.53001  | 0.02381 | 0.0092 |
| 311 | 3.86 | 0.30181  | 0.0065 | 0.00731 | 356 | 4.24 | 0.53251  | 0.02407 | 0.0092 |
| 312 | 3.87 | 0.30894  | 0.0055 | 0.00721 | 357 | 4.25 | 0.53507  | 0.02432 | 0.0092 |
| 313 | 3.88 | 0.31624  | 0.0045 | 0.0071  | 358 | 4.26 | 0.53769  | 0.02458 | 0.0092 |



Tabel 2

NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER -  
TYPE KERNEL TRIWEIGHT DENGAN BANDWITH 0.334

| NO  | GRID | ESTIMASI | BIAS   | VARIAN  | NO  | GRID | ESTIMASI | BIAS    | VARIAN |
|-----|------|----------|--------|---------|-----|------|----------|---------|--------|
| 359 | 4.26 | 0.54041  | 0.0248 | 0.00346 | 404 | 4.64 | 0.52285  | 0.02307 | 0.0037 |
| 360 | 4.27 | 0.54322  | 0.0251 | 0.00341 | 405 | 4.65 | 0.51592  | 0.02233 | 0.0039 |
| 361 | 4.28 | 0.54617  | 0.0254 | 0.00336 | 406 | 4.66 | 0.50881  | 0.02155 | 0.004  |
| 362 | 4.29 | 0.54924  | 0.0257 | 0.00332 | 407 | 4.67 | 0.50151  | 0.02073 | 0.0041 |
| 363 | 4.3  | 0.55246  | 0.026  | 0.00327 | 408 | 4.67 | 0.49401  | 0.01986 | 0.0042 |
| 364 | 4.31 | 0.55579  | 0.0263 | 0.00321 | 409 | 4.68 | 0.4863   | 0.01894 | 0.0043 |
| 365 | 4.31 | 0.55925  | 0.0266 | 0.00316 | 410 | 4.69 | 0.4784   | 0.01798 | 0.0045 |
| 366 | 4.32 | 0.56282  | 0.0269 | 0.00311 | 411 | 4.7  | 0.47031  | 0.01698 | 0.0046 |
| 367 | 4.33 | 0.56646  | 0.0272 | 0.00305 | 412 | 4.71 | 0.46204  | 0.01593 | 0.0047 |
| 368 | 4.34 | 0.57012  | 0.0275 | 0.00299 | 413 | 4.72 | 0.45363  | 0.01484 | 0.0049 |
| 369 | 4.35 | 0.57378  | 0.0278 | 0.00294 | 414 | 4.72 | 0.44509  | 0.01372 | 0.005  |
| 370 | 4.36 | 0.57741  | 0.028  | 0.00288 | 415 | 4.73 | 0.43645  | 0.01257 | 0.0052 |
| 371 | 4.37 | 0.58097  | 0.0283 | 0.00283 | 416 | 4.74 | 0.42773  | 0.01139 | 0.0053 |
| 372 | 4.37 | 0.58444  | 0.0286 | 0.00278 | 417 | 4.75 | 0.41895  | 0.01018 | 0.0055 |
| 373 | 4.38 | 0.58779  | 0.0288 | 0.00273 | 418 | 4.76 | 0.41012  | 0.00896 | 0.0056 |
| 374 | 4.39 | 0.59101  | 0.029  | 0.00268 | 419 | 4.77 | 0.40123  | 0.00772 | 0.0058 |
| 375 | 4.4  | 0.59407  | 0.0292 | 0.00264 | 420 | 4.77 | 0.39231  | 0.00646 | 0.0059 |
| 376 | 4.41 | 0.59693  | 0.0294 | 0.0026  | 421 | 4.78 | 0.38338  | 0.00519 | 0.006  |
| 377 | 4.42 | 0.59953  | 0.0295 | 0.00256 | 422 | 4.79 | 0.37445  | 0.00391 | 0.0062 |
| 378 | 4.42 | 0.60183  | 0.0297 | 0.00253 | 423 | 4.8  | 0.36553  | 0.00263 | 0.0063 |
| 379 | 4.43 | 0.60379  | 0.0298 | 0.0025  | 424 | 4.81 | 0.35662  | 0.00135 | 0.0065 |
| 380 | 4.44 | 0.60539  | 0.0299 | 0.00248 | 425 | 4.82 | 0.34773  | 0.00007 | 0.0066 |
| 381 | 4.45 | 0.60658  | 0.03   | 0.00246 | 426 | 4.82 | 0.33885  | 0.00121 | 0.0068 |
| 382 | 4.46 | 0.60733  | 0.03   | 0.00245 | 427 | 4.83 | 0.32996  | 0.00249 | 0.0069 |
| 383 | 4.47 | 0.6076   | 0.03   | 0.00244 | 428 | 4.84 | 0.32102  | 0.00377 | 0.007  |
| 384 | 4.47 | 0.60737  | 0.03   | 0.00245 | 429 | 4.85 | 0.31204  | 0.00506 | 0.0072 |
| 385 | 4.48 | 0.60664  | 0.03   | 0.00246 | 430 | 4.86 | 0.30302  | 0.00634 | 0.0073 |
| 386 | 4.49 | 0.6054   | 0.0299 | 0.00248 | 431 | 4.87 | 0.29396  | 0.00763 | 0.0074 |
| 387 | 4.5  | 0.60368  | 0.0298 | 0.0025  | 432 | 4.87 | 0.28487  | 0.00891 | 0.0076 |
| 388 | 4.51 | 0.6015   | 0.0297 | 0.00253 | 433 | 4.88 | 0.27575  | 0.01018 | 0.0077 |
| 389 | 4.52 | 0.59888  | 0.0295 | 0.00257 | 434 | 4.89 | 0.26661  | 0.01145 | 0.0078 |
| 390 | 4.52 | 0.59588  | 0.0293 | 0.00261 | 435 | 4.9  | 0.25747  | 0.0127  | 0.0079 |
| 391 | 4.53 | 0.59251  | 0.0291 | 0.00266 | 436 | 4.91 | 0.24832  | 0.01394 | 0.008  |
| 392 | 4.54 | 0.58882  | 0.0289 | 0.00271 | 437 | 4.92 | 0.23915  | 0.01516 | 0.0082 |
| 393 | 4.55 | 0.58482  | 0.0286 | 0.00277 | 438 | 4.92 | 0.22996  | 0.01637 | 0.0083 |
| 394 | 4.56 | 0.58053  | 0.0283 | 0.00284 | 439 | 4.93 | 0.22077  | 0.01757 | 0.0084 |
| 395 | 4.57 | 0.57594  | 0.0279 | 0.00291 | 440 | 4.94 | 0.2116   | 0.01874 | 0.0085 |
| 396 | 4.57 | 0.57107  | 0.0276 | 0.00298 | 441 | 4.95 | 0.20246  | 0.01988 | 0.0086 |
| 397 | 4.58 | 0.5659   | 0.0271 | 0.00306 | 442 | 4.96 | 0.19339  | 0.021   | 0.0087 |
| 398 | 4.59 | 0.56046  | 0.0267 | 0.00314 | 443 | 4.97 | 0.18441  | 0.02208 | 0.0088 |
| 399 | 4.6  | 0.55475  | 0.0262 | 0.00323 | 444 | 4.97 | 0.17554  | 0.02313 | 0.0089 |
| 400 | 4.61 | 0.54878  | 0.0256 | 0.00332 | 445 | 4.98 | 0.16681  | 0.02414 | 0.009  |
| 401 | 4.62 | 0.54259  | 0.0251 | 0.00342 | 446 | 4.99 | 0.15826  | 0.0251  | 0.009  |
| 402 | 4.62 | 0.53619  | 0.0244 | 0.00352 | 447 | 5    | 0.1499   | 0.02602 | 0.0091 |
| 403 | 4.63 | 0.52961  | 0.0238 | 0.00363 | 448 | 5.01 | 0.14176  | 0.02689 | 0.0092 |

Tabel 2

NILAI ESTIMASI DENSITAS, BIAS DAN VARIAN  
DATA OLD FAITHUL GEYSER  
TYPE KERNEL TRIWEIGHT DENGAN BANDWITH 0.334

| NO  | GRID | ESTIMASI | BIAS   | VARIAN  | NO  | GRID | ESTIMASI | BIAS    | VARIAN |
|-----|------|----------|--------|---------|-----|------|----------|---------|--------|
| 449 | 5.02 | 0.13385  | 0.0277 | 0.00922 | 470 | 5.19 | 0.02851  | 0.03643 | 0.0097 |
| 450 | 5.03 | 0.12618  | 0.0285 | 0.00928 | 471 | 5.2  | 0.02588  | 0.03658 | 0.0097 |
| 451 | 5.03 | 0.11875  | 0.0292 | 0.00933 | 472 | 5.21 | 0.02343  | 0.03673 | 0.0097 |
| 452 | 5.04 | 0.11155  | 0.0299 | 0.00938 | 473 | 5.22 | 0.02115  | 0.03686 | 0.0097 |
| 453 | 5.05 | 0.10461  | 0.0306 | 0.00942 | 474 | 5.23 | 0.01902  | 0.03698 | 0.0097 |
| 454 | 5.06 | 0.09794  | 0.0312 | 0.00946 | 475 | 5.23 | 0.01703  | 0.03709 | 0.0097 |
| 455 | 5.07 | 0.09156  | 0.0318 | 0.00949 | 476 | 5.24 | 0.01518  | 0.03719 | 0.0097 |
| 456 | 5.08 | 0.08549  | 0.0323 | 0.00953 | 477 | 5.25 | 0.01346  | 0.03729 | 0.0097 |
| 457 | 5.08 | 0.07974  | 0.0328 | 0.00955 | 478 | 5.26 | 0.01185  | 0.03737 | 0.0097 |
| 458 | 5.09 | 0.07431  | 0.0332 | 0.00958 | 479 | 5.27 | 0.01035  | 0.03745 | 0.0097 |
| 459 | 5.1  | 0.0692   | 0.0336 | 0.0096  | 480 | 5.28 | 0.00895  | 0.03753 | 0.0097 |
| 460 | 5.11 | 0.06439  | 0.034  | 0.00962 | 481 | 5.28 | 0.00766  | 0.03759 | 0.0097 |
| 461 | 5.12 | 0.05988  | 0.0343 | 0.00963 | 482 | 5.29 | 0.00648  | 0.03765 | 0.0097 |
| 462 | 5.13 | 0.05563  | 0.0346 | 0.00965 | 483 | 5.3  | 0.00541  | 0.03771 | 0.0097 |
| 463 | 5.13 | 0.05161  | 0.0349 | 0.00966 | 484 | 5.31 | 0.00446  | 0.03775 | 0.0097 |
| 464 | 5.14 | 0.04779  | 0.0352 | 0.00967 | 485 | 5.32 | 0.00362  | 0.03779 | 0.0097 |
| 465 | 5.15 | 0.04416  | 0.0354 | 0.00968 | 486 | 5.33 | 0.0029   | 0.03783 | 0.0097 |
| 466 | 5.16 | 0.0407   | 0.0357 | 0.00969 | 487 | 5.33 | 0.00228  | 0.03786 | 0.0097 |
| 467 | 5.17 | 0.0374   | 0.0359 | 0.0097  | 488 | 5.34 | 0.00175  | 0.03789 | 0.0097 |
| 468 | 5.18 | 0.03426  | 0.0361 | 0.0097  | 489 | 5.35 | 0.00131  | 0.03791 | 0.0097 |
| 469 | 5.18 | 0.0313   | 0.0363 | 0.00971 | 490 | 5.36 | 0.00095  | 0.03793 | 0.0097 |

