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LAMPIRAN

Perhitungan Data Tahun 1993-2002

1. Sektor Pertanian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(349.890 - 230.530)}{230.530} = 0,51776341 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.639.858 - 1.739.659)}{1.739.659} = 0,51745716 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 230.530 (0,373919858) = 86.199,7449 \\M_{ij} &= Y_{ij} (r_{in} - m) = 230.530 (0,517457157 - 0,373919858) \\&= 33.089,6535 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 230.530 (0,517763415 - 0,517457157) \\&= 70,60163515 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 86.199,74489 + 33.089,65348 + 70,60163515 \\&= 119.360\end{aligned}$$

2. Pertambangan dan Penggalian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(1.366.415 - 898.320)}{898.320} = 0,52107823 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.038.202 - 1.709.273)}{1.709.273} = 0,19243795 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 898.320 (0,373919858) = 335.899,687 \\M_{ij} &= Y_{ij} (r_{in} - m) = 898.320 (0,192437955 - 0,373919858) \\&= -163.028,824 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 898.320 (0,521078235 - 0,192437955) \\&= 295.224,137 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 335.899,6869 + (-163.028,824) + 295.224,1366 \\&= 468.095\end{aligned}$$

3. Sektor Industri Pengolahan

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(52.279 - 71.260)}{71.260} = -0,26636262 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.697.812 - 1.740.548)}{1.740.548} = 0,54997851 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 71.260 (0,373919858) = 26.645,5291 \\M_{ij} &= Y_{ij} (r_{in} - m) = 71.260 (0,54997851 - 0,373919858) \\&= 12.545,9397 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 71.260 (-0,26636262 - 0,54997851) \\&= -58.172,4688 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 26.645,5291 + 12.545,9397 + -58.172,4688 \\&= -18.981\end{aligned}$$

4. Sektor Listrik, Gas dan Air Bersih

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(20.856 - 9.817)}{9.817} = 1,12447795 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(105.403 - 59.098)}{59.098} = 0,78352905 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 9.817 (0,373919858) = 3.670,77125 \\M_{ij} &= Y_{ij} (r_{in} - m) = 9.817 (0,78352905 - 0,373919858) \\&= 4.021,13347 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 9.817 (1,12447795 - 0,78352905) \\&= 3.347,09528 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 3.670,77125 + 4.021,13347 + 3.347,09528 \\&= 11.039\end{aligned}$$

5. Sektor Bangunan

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(76.950 - 80.887)}{80.887} = -0,04867284 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(756.836 - 647.030)}{647.030} = 0,16970774 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 80.887 (0,373919858) = 30.245,2556 \\M_{ij} &= Y_{ij} (r_{in} - m) = 80.887 (0,16970774 - 0,373919858) \\&= -16.518,1055 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 80.887 (-0,04867284 - 0,16970774) \\&= -17.664,1501 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 30.245,2556 + (-16.518,1055) + (-17.664,1501) \\&= -3.937\end{aligned}$$

6. Sektor Perdagangan, Hotel, dan Restoran

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(110.917 - 104.564)}{104.564} = 0,06075705 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.483.314 - 1.684.567)}{1.684.567} = 0,47415567 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 104.564 (0,373919858) = 39.098,556 \\M_{ij} &= Y_{ij} (r_{in} - m) = 104.564 (0,47415567 - 0,373919858) \\&= 10.481,0578 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 104.564 (0,06075705 - 0,47415567) \\&= -43.226,6138 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 39.098,556 + 10.481,0578 + (-43.226,6138) \\&= 6.353\end{aligned}$$

7. Sektor Pengangkutan dan Komunikasi

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(43.252 - 36.140)}{36.140} = 0,19679026 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(692.216 - 465.004)}{465.004} = 0,48862375 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 36.140 (0,373919858) = 13.513,4637 \\M_{ij} &= Y_{ij} (r_{in} - m) = 36.140 (0,48862375 - 0,373919858) \\&= 4.145,39879 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 36.140 (0,19679026 - 0,48862375) \\&= -10.546,8625 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 13.513,4637 + 4.145,39879 + (-10.546,8625) \\&= 7.112\end{aligned}$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(37.037 - 45.186)}{45.186} = -0,18034347 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(490.754 - 514.193)}{514.193} = -0,04558405 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\N_{ij} &= Y_{ij} \cdot m = 45.186 (0,373919858) = 16.895,9427 \\M_{ij} &= Y_{ij} (r_{in} - m) = 45.186 (-0,04558405 - 0,373919858) \\&= -18.955,7036 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 45.186 (-0,18034347 - (-0,04558405)) \\&= -6.089,23907 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 16.895,9427 + (-18.955,7036) + (-6.089,23907) \\&= -8.149\end{aligned}$$

9. Sektor Jasa-Jasa

$$\begin{aligned}
 r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(68.361 - 69.087)}{69.087} = -0,01050849 \\
 r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(881.398 - 746.697)}{746.697} = 0,1803958 \\
 m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(12.785.793 - 9.306.069)}{9.306.069} = 0,373919858 \\
 N_{ij} &= Y_{ij} \cdot m = 69.087 (0,373919858) = 25.833,0012 \\
 M_{ij} &= Y_{ij} (r_{in} - m) = 69.087 (0,1803958 - 0,373919858) \\
 &= -13.369,9968 \\
 C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 69.087 (-0,01050849 - 0,1803958) \\
 &= -13.189,0044 \\
 D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 25.833,0012 + (-13.369,9968) + (-13.189,0044) \\
 &= -726
 \end{aligned}$$

Tabel 4.3

Hasil Analisis Shift Share Sektor-Sektor Ekonomi
Kabupaten Muara Enim Tahun 1993-2002

| Sektor | Komponen Efek Pertumbuhan (Nij) | Komponen Bauran Industri (Mij) | Komponen Keunggulan Kompetitif (Cij) | Jumlah Keseluruhan (Dij) |
|---|---------------------------------|--------------------------------|--------------------------------------|--------------------------|
| 1. Pertanian | 86.199,7449 | 33.089,6535 | 70,6016351 | 119.360 |
| 2. Pertambangan & Penggalian | 335.899,687 | -163.028,824 | 295.224,137 | 468.095 |
| 3. Industri Pengolahan | 26.645,5291 | 12.545,9397 | -58.172,4688 | -18.981 |
| 4. Listrik, Gas & Air Bersih | 3.670,77125 | 4.021,13347 | 3.347,09528 | 11.039 |
| 5. Bangunan | 30.245,2556 | -16.518,1055 | -17.664,1501 | -3.937 |
| 6. Perdagangan, Hotel & Restoran | 39.098,556 | 10.481,0578 | -43.226,6138 | 6.353 |
| 7. Pengangkutan & Komunikasi | 13.513,4637 | 4.145,39879 | -10.546,8625 | 7.112 |
| 8. Keuangan, Persewaan Bangunan & Jasa Perusahaan | 16.895,9427 | -18.955,7036 | -6.089,23907 | -8.149 |
| 9. Jasa-Jasa | 25.833,0012 | -13.369,9968 | -13.189,0044 | -726 |
| TOTAL | 578.001,9514 | -147.589,4463 | 149.753,4949 | 580.166 |

Sumber : BPS, PDRB Kabupaten Muara Enim tahun 1993-2002 dan PDRB Propinsi Sumatera Selatan tahun 1993-2002 diolah

Perhitungan Data Tahun 1993-1994

1. Sektor Pertanian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(248.235 - 230.530)}{230.530} = 0,076801284 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(1.925.792 - 1.739.659)}{1.739.659} = 0,106993957 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642 \\N_{ij} &= Y_{ij} \cdot m = 230.530 (0,070592642) = 16.273,72176 \\M_{ij} &= Y_{ij} (r_{in} - m) = 230.530 (0,106993957 - 0,070592642) \\&= 8.391,595049 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 230.530 (0,076801284 - 0,106993957) \\&= -6.960,32 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 16.273,72176 + 8.391,595049 + (-6.960,32) \\&= 17.705\end{aligned}$$

2. Pertambangan dan Penggalian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(1.030.500 - 898.320)}{898.320} = 0,14714133 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(1.672.878 - 1.709.273)}{1.709.273} = -0,021292678 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642 \\N_{ij} &= Y_{ij} \cdot m = 898.320 (0,070592642) = 63.414,78242 \\M_{ij} &= Y_{ij} (r_{in} - m) = 898.320 (-0,021292678 - 0,070592642) \\&= -82.542,42113 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 898.320 (0,14714133 - (-0,021292678)) \\&= 151.307,6387 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 63.414,78242 + (-82.542,42113) + 151.307,6387 \\&= 132.180\end{aligned}$$

3. Sektor Industri Pengolahan

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(80.312 - 71.260)}{71.260} = 0,127027786 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(1.869.826 - 1.740.548)}{1.740.548} = 0,074274309 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642 \\N_{ij} &= Y_{ij} \cdot m = 71.260 (0,070592642) = 5.030,431689 \\M_{ij} &= Y_{ij} (r_{in} - m) = 71.260 (0,074274309 - 0,070592642) \\&= 262,3555708 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 71.260 (0,127027786 - 0,074274309) \\&= 3.759,21274 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 5.030,431689 + 262,3555708 + 3.759,21274 \\&= 9.052\end{aligned}$$

4. Sektor Listrik, Gas dan Air Bersih

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(12.404 - 9.817)}{9.817} = 0,263522461 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(65.445 - 59.098)}{59.098} = 0,107397881 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642 \\N_{ij} &= Y_{ij} \cdot m = 9.817 (0,070592642) = 693,0079693 \\M_{ij} &= Y_{ij} (r_{in} - m) = 9.817 (0,107397881 - 0,070592642) \\&= 361,3170332 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 9.817 (0,263522461 - 0,107397881) \\&= 1.532,674997 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 693,0079693 + 361,3170332 + 1.532,674997 \\&= 2.587\end{aligned}$$

5. Sektor Bangunan

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(92.287 - 80.887)}{80.887} = 0,140937357 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(735.122 - 647.030)}{647.030} = 0,136148247 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642 \\N_{ij} &= Y_{ij} \cdot m = 80.887 (0,070592642) = 5.710,027057 \\M_{ij} &= Y_{ij} (r_{in} - m) = 80.887 (0,136148247 - 0,070592642) \\&= 5.302,596166 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 80.887 (0,140937357 - 0,136148247) \\&= 387,376777 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 5.710,027057 + 5.302,596166 + 387,376777 \\&= 11.400\end{aligned}$$

6. Sektor Perdagangan, Hotel, dan Restoran

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(112.971 - 104.564)}{104.564} = 0,08040052 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(1.839.685 - 1.684.567)}{1.684.567} = 0,092081823 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642 \\N_{ij} &= Y_{ij} \cdot m = 104.564 (0,070592642) = 7.381,449048 \\M_{ij} &= Y_{ij} (r_{in} - m) = 104.564 (0,092081823 - 0,070592642) \\&= 2.246,994672 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 104.564 (0,08040052 - 0,092081823) \\&= -1.221,44372 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 7.381,449048 + 2.246,994672 + (-1.221,44372) \\&= 8.407\end{aligned}$$

7. Sektor Pengangkutan dan Komunikasi

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(37.975 - 36.140)}{36.140} = 0,050774765$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(518.879 - 465.004)}{465.004} = 0,115859218$$

$$m = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642$$

$$N_{ij} = Y_{ij} \cdot m = 36.140 (0,070592642) = 2.551,218092$$

$$M_{ij} = Y_{ij} (r_{in} - m) = 36.140 (0,115859218 - 0,070592642) = 1.635,934061$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 36.140 (0,050774765 - 0,115859218) = -2.352,152154$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 2.551,218092 + 1.635,934061 + (-2.352,152154) = 1.835$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(47.322 - 45.186)}{45.186} = 0,047271279$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(567.740 - 514.193)}{514.193} = 0,10413794$$

$$m = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642$$

$$N_{ij} = Y_{ij} \cdot m = 45.186 (0,070592642) = 3.189,799134$$

$$M_{ij} = Y_{ij} (r_{in} - m) = 45.186 (0,10413794 - 0,070592642) = 1.515,777842$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 45.186 (0,047271279 - 0,10413794) = -2.569,576976$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 3.189,799134 + 1.515,777842 + (-2.569,576976) = 2.136$$

9. Sektor Jasa-Jasa

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(72.748 - 69.087)}{69.087} = 0,052991156$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(767.642 - 746.697)}{746.697} = 0,0280502$$

$$r_n = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(9.963.009 - 9.306.069)}{9.306.069} = 0,070592642$$

$$N_{ij} = Y_{ij} \cdot r_n = 69.087 (0,070592642) = 4.877,033878$$

$$M_{ij} = Y_{ij} (r_{in} - r_n) = 69.087 (0,0280502 - 0,070592642) = -2.939,129728$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 69.087 (0,052991156 - 0,0280502) = 1.723,09585$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 4.877,033878 + (-2.939,129728) + 1.723,09585 = 3.661$$

Tabel 4.6
Hasil Analisis Shift Share Sektor-Sektor Ekonomi
Kabupaten Muara Enim Tahun 1993-1994

| Sektor | Komponen Efek Pertumbuhan (Nij) | Komponen Bauran Industri (Mij) | Komponen Keunggulan Kompetitif (Cij) | Jumlah Keseluruhan (Dij) |
|---|---------------------------------|--------------------------------|--------------------------------------|--------------------------|
| 1. Pertanian | 16.273,72183 | 8.391,595049 | -6.960,316875 | 17.705 |
| 2. Pertambangan & Penggalan | 63.414,78242 | -82.542,42113 | 151.307,6387 | 132.180 |
| 3. Industri Pengolahan | 5.030,431689 | 262,3555708 | 3.759,21274 | 9.052 |
| 4. Listrik, Gas & Air Bersih | 693,0079693 | 361,3170332 | 1.532,674997 | 2.587 |
| 5. Bangunan | 5.710,027057 | 5.302,596166 | 387,376777 | 11.400 |
| 6. Perdagangan, Hotel & Restoran | 7.381,449048 | 2.246,994672 | -1.221,44372 | 8.407 |
| 7. Pengangkutan & Komunikasi | 2.551,218092 | 1.635,934061 | -2.352,152154 | 1.835 |
| 8. Keuangan, Persewaan Bangunan & Jasa Perusahaan | 3.189,799134 | 1.515,777842 | -2.569,576976 | 2.136 |
| 9. Jasa-Jasa | 4.877,033878 | -2.939,129728 | 1.723,09585 | 3.661 |
| TOTAL | 109.121,47 | -65.764,98 | 145.606,51 | 188.963 |

Sumber : BPS, PDRB Kabupaten Muara Enim tahun 1993-1994 dan PDRB Propinsi Sumatera Selatan tahun 1993-1994 diolah

Perhitungan Data Tahun 1994-1995

1. Sektor Pertanian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(275.701 - 248.235)}{248.235} = 0,110645155 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.144.613 - 1.925.792)}{1.925.792} = 0,113626498 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666 \\N_{ij} &= Y_{ij} \cdot m = 248.235 (0,101285666) = 25.142,64725 \\M_{ij} &= Y_{ij} (r_{in} - m) = 248.235 (0,113626498 - 0,101285666) \\&= 3.063,426372 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 248.235 (0,110645155 - 0,113626498) \\&= -740,0736232 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 25.142,64725 + 3.063,426372 + (-740,0736232) \\&= 27.466\end{aligned}$$

2. Pertambangan dan Penggalian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(1.087.295 - 1.030.500)}{1.030.500} = 0,055114022 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(1.750.736 - 1.672.878)}{1.672.878} = 0,04654135 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666 \\N_{ij} &= Y_{ij} \cdot m = 1.030.500 (0,101285666) = 104.374,8786 \\M_{ij} &= Y_{ij} (r_{in} - m) = 1.030.500 (0,04654135 - 0,101285666) \\&= -56.414,01775 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 1.030.500 (0,055114022 - 0,04654135) \\&= 8.834,139136 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 104.374,8786 + (-56.414,01775) + 8.834,139136 \\&= 56.795\end{aligned}$$

3. Sektor Industri Pengolahan

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(91.084 - 80.312)}{80.312} = 0,134126905 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.213.730 - 1.869.826)}{1.869.826} = 0,183922996 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666 \\N_{ij} &= Y_{ij} \cdot m = 80.312 (0,101285666) = 8.134,454392 \\M_{ij} &= Y_{ij} (r_{in} - m) = 80.312 (0,183922996 - 0,101285666) \\&= 6.636,769266 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 80.312 (0,134126905 - 0,183922996) \\&= -3.999,223658 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 8.134,454392 + 6.636,769266 + (-3.999,223658) \\&= 10.772\end{aligned}$$

4. Sektor Listrik, Gas dan Air Bersih

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(16.545 - 12.404)}{12.404} = 0,333843921 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(73.948 - 65.445)}{65.445} = 0,129925892 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666 \\N_{ij} &= Y_{ij} \cdot m = 12.404 (0,101285666) = 1.256,347399 \\M_{ij} &= Y_{ij} (r_{in} - m) = 12.404 (0,129925892 - 0,101285666) \\&= 355,2533653 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 12.404 (0,333843921 - 0,129925892) \\&= 2.529,399236 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 1.256,347399 + 355,2533653 + 2.529,399236 \\&= 4.141\end{aligned}$$

5. Sektor Bangunan

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(100.296 - 92.287)}{92.287} = 0,086783621$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(828.526 - 735.122)}{735.122} = 0,127059182$$

$$m = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666$$

$$N_{ij} = Y_{ij} \cdot m = 92.287 (0,101285666) = 9.347,35024$$

$$M_{ij} = Y_{ij} (r_{in} - m) = 92.287 (0,127059182 - 0,101285666) = 2.378,56049$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 92.287 (0,086783621 - 0,127059182) = -3.716,91073$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 9.347,35024 + 2.378,56049 + (-3.716,91073) = 8.009$$

6. Sektor Perdagangan, Hotel dan Restoran

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(126.672 - 112.971)}{112.971} = 0,121278912$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.013.594 - 1.839.685)}{1.839.685} = 0,094531944$$

$$m = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666$$

$$N_{ij} = Y_{ij} \cdot m = 112.971 (0,101285666) = 11.442,34295$$

$$M_{ij} = Y_{ij} (r_{in} - m) = 112.971 (0,094531944 - 0,101285666) = -762,9746692$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 112.971 (0,121278912 - 0,094531944) = 3.021,631717$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 11.442,34295 + (-762,9746692) + 3.021,6317 = 13.701$$

7. Sektor Pengangkutan dan Komunikasi

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(40.497 - 37.975)}{37.975} = 0,066412113$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(569.839 - 518.879)}{518.879} = 0,098211722$$

$$m = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666$$

$$N_{ij} = Y_{ij} \cdot m = 37.975 (0,101285666) = 3.846,323159$$

$$M_{ij} = Y_{ij} (r_{in} - m) = 37.975 (0,098211722 - 0,101285666) = -116,733$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 37.975 (0,066412113 - 0,098211722) = -1.207,590136$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 3.846,323159 + (-116,733) + (-1.207,590136) = 2.522$$

8. Sektor Keuangan, Persewaan dan Jasa

$$r_{ij} = \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(49.981 - 47.322)}{47.322} = 0,05618951$$

$$r_{in} = \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(591.018 - 567.740)}{567.740} = 0,041001163$$

$$m = \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666$$

$$N_{ij} = Y_{ij} \cdot m = 47.322 (0,101285666) = 4.793,0403$$

$$M_{ij} = Y_{ij} (r_{in} - m) = 47.322 (0,041001163 - 0,101285666) = -2.852,783265$$

$$C_{ij} = Y_{ij} (r_{ij} - r_{in}) = 47.322 (0,05618951 - 0,041001163) = 718,742988$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 4.793,04023 + (-2.852,783265) + 718,742988 = 2.659$$

7. Sektor Pengangkutan dan Komunikasi

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(40.497 - 37.975)}{37.975} = 0,066412113 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(569.839 - 518.879)}{518.879} = 0,098211722 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666 \\N_{ij} &= Y_{ij} \cdot m = 37.975 (0,101285666) = 3.846,323159 \\M_{ij} &= Y_{ij} (r_{in} - m) = 37.975 (0,098211722 - 0,101285666) \\&= -116,733 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 37.975 (0,066412113 - 0,098211722) \\&= -1.207,590136 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 3.846,323159 + (-116,733) + (-1.207,590136) \\&= 2.522\end{aligned}$$

8. Sektor Keuangan, Persewaan dan Jasa

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(49.981 - 47.322)}{47.322} = 0,05618951 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(591.018 - 567.740)}{567.740} = 0,041001163 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666 \\N_{ij} &= Y_{ij} \cdot m = 47.322 (0,101285666) = 4.793,0403 \\M_{ij} &= Y_{ij} (r_{in} - m) = 47.322 (0,041001163 - 0,101285666) \\&= -2.852,783265 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 47.322 (0,05618951 - 0,041001163) \\&= 718,742988 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 4.793,04023 + (-2.852,783265) + 718,742988 \\&= 2.659\end{aligned}$$

9. Sektor Jasa-Jasa

$$rij = \frac{(Y^*ij - Yij)}{Yij} = \frac{(75.506 - 72.748)}{72.748} = 0,037911695$$

$$rin = \frac{(Y^*in - Yin)}{Yin} = \frac{(786.115 - 767.642)}{767.642} = 0,024064603$$

$$rn = \frac{(Y^*n - Yn)}{Yn} = \frac{(10.972.119 - 9.963.009)}{9.963.009} = 0,101285666$$

$$Nij = Yij \cdot rn = 72.748 (0,101285666) = 7.368,3296$$

$$Mij = Yij (rin - rn) = 72.748 (0,024064603 - 0,101285666) = -5.617,67787$$

$$Cij = Yij (rij - rin) = 72.748 (0,037911695 - 0,024064603) = 1.007,348259$$

$$Dij = Nij + Mij + Cij = 7.368,3296 + (-5.617,67787) + 1.007,348259 = 2.758$$

Tabel 4.7

Hasil Analisis Shift Share Sektor-Sektor Ekonomi
Kabupaten Muara Enim Tahun 1994-1995

| Sektor | Komponen Efek Pertumbuhan (Nij) | Komponen Bauran Industri (Mij) | Komponen Keunggulan Kompetitif (Cij) | Jumlah Keseluruhan (Dij) |
|---|---------------------------------|--------------------------------|--------------------------------------|--------------------------|
| 1. Pertanian | 25.142,64725 | 3.063,426372 | -740,0736232 | 27.466 |
| 2. Pertambangan & Penggalian | 104.374,8786 | -56.414,01775 | 8.834,139136 | 56.795 |
| 3. Industri Pengolahan | 8.134,454392 | 6.636,769266 | -3.999,223658 | 10.772 |
| 4. Listrik, Gas & Air Bersih | 1.256,347399 | 355,2533653 | 2.529,399236 | 4.141 |
| 5. Bangunan | 9.347,35024 | 2.378,56049 | -3.716,91073 | 8.009 |
| 6. Perdagangan, Hotel & Restoran | 11.442,34295 | -762,9746692 | 3.021,631717 | 13.701 |
| 7. Pengangkutan & Komunikasi | 3.846,323159 | -116,7330233 | -1.207,590136 | 2.522 |
| 8. Keuangan, Persewaan Bangunan & Jasa Perusahaan | 4.793,040277 | -2.852,783265 | 718,742988 | 2.659 |
| 9. Jasa-Jasa | 7.368,3296 | -5.617,677875 | 1.007,348259 | 2.758 |
| TOTAL | 175.705,7193 | -53.330,1771 | 6.447,463189 | 128.823 |

Sumber : BPS, PDRB Kabupaten Muara Enim tahun 1994-1995 dan PDRB Propinsi Sumatera Selatan tahun 1994-1995 diolah

Perhitungan Data Tahun 1995-1996

1. Sektor Pertanian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(302.079 - 275.701)}{275.701} = 0,0956761 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(2.259.191 - 2.144.613)}{2.144.613} = 0,053426 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(11.808.446 - 10.972.119)}{10.972.119} = 0,0762229 \\N_{ij} &= Y_{ij} \cdot m = 275.701 (0,0762229) = 21.014,737 \\M_{ij} &= Y_{ij} (r_{in} - m) = 275.701 (0,053426 - 0,0762229) \\&= -6.285,147 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 275.701 (0,0956761 - 0,053426) \\&= 11.648,41 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 21.014,737 + (-6.285,147) + 11.648,41 \\&= 26.378\end{aligned}$$

2. Pertambangan dan Penggalian

$$\begin{aligned}r_{ij} &= \frac{(Y^*_{ij} - Y_{ij})}{Y_{ij}} = \frac{(1.182.299 - 1.087.295)}{1.087.295} = 0,0873765 \\r_{in} &= \frac{(Y^*_{in} - Y_{in})}{Y_{in}} = \frac{(1.903.282 - 1.750.736)}{1.750.736} = 0,0871325 \\m &= \frac{(Y^*_n - Y_n)}{Y_n} = \frac{(11.808.446 - 10.972.119)}{10.972.119} = 0,0762229 \\N_{ij} &= Y_{ij} \cdot m = 1.087.295 (0,0762229) = 82.876,805 \\M_{ij} &= Y_{ij} (r_{in} - m) = 1.087.295 (0,0871325 - 0,0762229) \\&= 11.861,924 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 1.087.295 (0,0873765 - 0,0871325) \\&= 265,27122 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 82.876,805 + 11.861,924 + 265,27122 \\&= 95.004\end{aligned}$$

3. Sektor Industri Pengolahan

$$\begin{aligned}r_{ij} &= \frac{(Y^{*ij} - Y_{ij})}{Y_{ij}} = \frac{(102.426 - 91.084)}{91.084} = 0,1245224 \\r_{in} &= \frac{(Y^{*in} - Y_{in})}{Y_{in}} = \frac{(2.394.932 - 2.213.730)}{2.213.730} = 0,0818537 \\m &= \frac{(Y^{*n} - Y_n)}{Y_n} = \frac{(11.808.446 - 10.972.119)}{10.972.119} = 0,0762229 \\N_{ij} &= Y_{ij} \cdot m = 91.084 (0,0762229) = 6.942,6889 \\M_{ij} &= Y_{ij} (r_{in} - m) = 91.084 (0,0818537 - 0,0762229) \\&= 512,8739 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 91.084 (0,1245224 - 0,0818537) \\&= 3.886,4372 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 6.942,6889 + 512,8739 + 3.886,4372 \\&= 11.342\end{aligned}$$

4. Sektor Listrik, Gas dan Air Bersih

$$\begin{aligned}r_{ij} &= \frac{(Y^{*ij} - Y_{ij})}{Y_{ij}} = \frac{(21.340 - 16.545)}{16.545} = 0,2952554 \\r_{in} &= \frac{(Y^{*in} - Y_{in})}{Y_{in}} = \frac{(84.387 - 73.948)}{73.948} = 0,1411668 \\m &= \frac{(Y^{*n} - Y_n)}{Y_n} = \frac{(11.808.446 - 10.972.119)}{10.972.119} = 0,0762229 \\N_{ij} &= Y_{ij} \cdot m = 16.545 (0,0762229) = 1.261,1083 \\M_{ij} &= Y_{ij} (r_{in} - m) = 16.545 (0,1411668 - 0,0762229) \\&= 1.074,4959 \\C_{ij} &= Y_{ij} (r_{ij} - r_{in}) = 16.545 (0,2952554 - 0,1411668) \\&= 2.549,3959 \\D_{ij} &= N_{ij} + M_{ij} + C_{ij} = 1.261,1083 + 1.074,4959 + 2.549,3959 \\&= 4.885\end{aligned}$$