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LAMPIRAN

LAMPIRAN 1:
ANALISIS SHIFT-SHARE

Perhitungan Shift-Share
Tahun analisis 1997 – 1998

I. Sektor Pertanian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{18645,31 - 18497,22}{18497,22} = 0,008$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{7940632,03 - 8216026,20}{8216026,20} = -0,03352$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot m = 18497,22 \cdot (-0,11742) = -2172,05502$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 18497,22 \cdot (-0,03352 - (-0,11742)) \\ = 1552,04403$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 18497,22 \cdot (0,008 - (-0,03352)) \\ = 768,10099$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -2172,05502 + 1552,04403 + 768,10099 \\ = 148,09$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

2. Sektor Pertambangan dan Penggalian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{780,33 - 870,69}{870,69} = -0,10378$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{545662,76 - 587426,67}{587426,67} = -0,07109$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot m = 870,69 \cdot (-0,11742) = -102,24167$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 870,69 \cdot (-0,07109 - (-0,11742)) \\ = 40,33876$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 870,69 \cdot (-0,10378 - (-0,07109)) \\ = -28,45709$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -102,24167 + 40,33876 + (-28,45709) \\ = -90,36$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

3. Sektor Industri Pengolahan

$$r_{ij} = \frac{y^*_{ij} - y_{ij}}{y_{ij}} = \frac{310318,03 - 345594,90}{345594,90} = -0,10207$$

$$r_{in} = \frac{y^*_{in} - y_{in}}{y_{in}} = \frac{11707062,06 - 13709758,32}{13709758,32} = -0,14607$$

$$m = \frac{y^*_{n} - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot m = 345594,90 \cdot (-0,11742) = -40581,82673$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 345594,90 \cdot (-0,14607 - (-0,11742)) \\ = -9902,03142$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 345594,90 \cdot (-0,10207 - (-0,14607)) \\ = 15206,99686$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -40581,82673 + (-9902,03142) + 15206,99686 \\ = -35276,87$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

4. Sektor Listrik, Gas dan Air Bersih

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{24262,51 - 24405,37}{24405,37} = -0,00585$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{407879,93 - 393556,61}{393556,61} = 0,03639$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot m = 24405,37 \cdot (-0,11742) = -2865,82559$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 24405,37 \cdot (0,03639 - (-0,11742)) \\ = 3754,04832$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 24405,37 \cdot (-0,00585 - 0,03639) \\ = -1031,08272$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -2865,82559 + 3754,04832 + (-1031,08272) \\ = -142,86$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

5. Sektor Bangunan

$$rij = \frac{y^*i - yij}{yij} = \frac{168023,90 - 186828,59}{186828,59} = -0,10065$$

$$rin = \frac{y^*in - yin}{yin} = \frac{1452845,56 - 2139684,09}{2139684,09} = -0,32099$$

$$m = \frac{y^*n - yn}{yn} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$Nij = yij \cdot m = 186828,59 \cdot (-0,11742) = -21938,53872$$

$$Mij = yij \cdot (rin - m) = 186828,59 \cdot (-0,32099 - (-0,11742)) \\ = -38033,43318$$

$$Cij = yij \cdot (rij - rin) = 186828,59 \cdot (-0,10065 - (-0,32099)) \\ = 41167,2819$$

$$Dij = Nij + Mij + Cij = -21938,53872 + (-38033,43318) + 41167,2819 \\ = -18804,69$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

6. Sektor Perdagangan, Hotel dan Restoran

$$rij = \frac{y^*i - yij}{yij} = \frac{278598,90 - 327422,20}{327422,20} = -0,14911$$

$$rin = \frac{y^*in - yin}{yin} = \frac{8747296,31 - 9612930,14}{9612930,14} = -0,09$$

$$m = \frac{y^*n - yn}{yn} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$Nij = yij \cdot m = 327422,20 \cdot (-0,11742) = -38447,88751$$

$$Mij = yij \cdot (rin - m) = 327422,20 \cdot (-0,09 - (-0,11742)) \\ = 8963,87703$$

$$Cij = yij \cdot (rij - rin) = 327422,20 \cdot (-0,14911 - (-0,09)) \\ = -19339,28952$$

$$Dij - Nij + Mij + Cij = -38447,88751 + 8963,87703 + (-19339,28952) \\ = -48823,30$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

7. Sektor Pengangkutan dan Komunikasi

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{163187,86 - 160767,08}{160767,08} = 0,01506$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1765265,71 - 1766846,11}{1766846,11} = -0,00089$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot m = 160767,08 \cdot (-0,11742) = -18878,23919$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 160767,08 \cdot (-0,00089 - (-0,11742)) \\ = 18734,43703$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 160767,08 \cdot (0,01506 - (-0,00089)) \\ = 2564,58216$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -18878,23919 - 18734,43703 + 2564,58216 \\ = 2420,78$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{99969,24 - 173060,69}{173060,69} = -0,4223$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1502666,55 - 2283522,22}{2283522,22} = -0,3419$$

$$r_n = \frac{y^*n - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot r_n = 173060,69 \cdot (-0,11742) = -20321,82895$$

$$M_{ij} = y_{ij} \cdot (r_{in} - r_n) = 173060,69 \cdot (-0,3419 - (-0,11742)) \\ = -38856,67164$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 173060,69 \cdot (-0,4223 - (-0,3419)) \\ = -13912,94941$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -20321,82895 + (-38856,67164) + (-13912,94941) \\ = -73091,45$$

Perhitungan *Shift-Share*
Tahun analisis 1997 – 1998

9. Sektor Jasa-jasa

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{169232,36 - 195135,63}{195135,63} = -0,1322$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{3995962,44 - 4420088,54}{4420088,54} = -0,0959$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{38065273,35 - 43129838,90}{43129838,90} = -0,11742$$

$$N_{ij} = y_{ij} \cdot m = 195135,63 \cdot (-0,11742) = -22914,00141$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 195135,63 \cdot (-0,0959 - (-0,11742)) \\ = 4189,91636$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 195135,63 \cdot (-0,1322 - (-0,0959)) \\ = -7179,18496$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = -22914,00141 + 4189,91636 + (-7179,18496) \\ = -25903,27$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

1. Sektor Pertanian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{19106,32 - 18645,31}{18645,31} = 0,02472$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{8184670,67 - 7940632,03}{7940632,03} = 0,03073$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 18645,31 \cdot (0,03492) = 651,09474$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 18645,31 \cdot (0,03073 - 0,03492) \\ = -78,07031$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 18645,31 \cdot (0,02472 - 0,03073) \\ = -112,01442$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 651,09474 + (-78,07031) + (-112,01442) \\ = 461,01$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

2. Sektor Pertambangan dan Penggalian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{782,88 - 780,33}{780,33} = 0,00326$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{575612,99 - 545662,76}{545662,76} = 0,05489$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 780,33 \cdot (0,03492) = 27,24915$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 780,33 \cdot (0,05489 - 0,03492) \\ = 15,58145$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 780,33 \cdot (0,00326 - 0,05489) \\ = -40,28060$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 27,24915 + 15,58145 + (-40,28060) \\ = 2,55$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

3. Sektor Industri Pengolahan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{313345,24 - 310318,03}{310318,03} = 0,00975$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{12036861,68 - 11707062,06}{11707062,06} = 0,02817$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 310318,03 \cdot (0,03492) = 10836,31412$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 310318,03 \cdot (0,02817 - 0,03492) \\ = -2094,34557$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 310318,03 \cdot (0,00975 - 0,02817) \\ = -5714,75855$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 10836,31412 + (-2094,34557) + (-5714,75855) \\ = 3027,21$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

4. Sektor Listrik, Gas dan Air Bersih

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{24837,25 - 24262,51}{24262,51} = -0,02366$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{450221,11 - 407879,93}{407879,93} = 0,10380$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 24262,51 \cdot (0,03492) = 847,24752$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 24262,51 \cdot (0,10380 - 0,03492) \\ = 1671,39395$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 24262,51 \cdot (0,02366 - 0,10380) \\ = -1943,90146$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 847,24752 + 1671,39395 + (-1943,90146) \\ = 574,74$$

Perhitungan Shift-Share
Tahun analisis 1998 – 1999

5. Sektor Bangunan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{169032,04 - 168023,90}{168023,90} = 0,00599$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1626238,40 - 1452845,56}{1452845,56} = 0,11934$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 168023,90 \cdot (0,03492) = 5867,39920$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 168023,90 \cdot (0,11934 - 0,03492) \\ = 14185,75856$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 168023,90 \cdot (0,00599 - 0,11934) \\ = -19045,01776$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 5867,39920 + 14185,75856 + (-19045,01776) \\ = 1008,14$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

6. Sektor Perdagangan, Hotel dan Restoran

$$r_{ij} = \frac{y^*_{ij} - y_{ij}}{y_{ij}} = \frac{280539,80 - 278598,90}{278598,90} = 0,00696$$

$$r_{in} = \frac{y^*_{in} - y_{in}}{y_{in}} = \frac{9026900,22 - 8747296,31}{8747296,31} = 0,03196$$

$$m = \frac{y^*_n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 278598,90 \cdot (0,03492) = 9728,68123$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 278598,90 \cdot (0,03196 - 0,03492) \\ = -823,37621$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 278598,90 \cdot (0,00696 - 0,03196) \\ = -6964,40502$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 9728,68123 + (-823,37621) + (-6964,40502) \\ = 1940,90$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

7. Sektor Pengangkutan dan Komunikasi

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{166545,87 - 163187,86}{163187,86} = 0,02057$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1946926,99 - 1765265,71}{1765265,71} = 0,10290$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 163187,86 \cdot (0,03492) = 5698,52455$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 163187,86 \cdot (0,10290 - 0,03492) \\ = 11094,93343$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 163187,86 \cdot (0,02057 - 0,10290) \\ = -13435,44798$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 5698,52455 + 11094,93343 + (-13435,44798) \\ = 3358,01$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$rij = \frac{y^*i - yij}{yij} = \frac{101614,92 - 99969,24}{99969,24} = 0,01646$$

$$rin = \frac{y^*in - yin}{yin} = \frac{1559305,07 - 1502666,55}{1502666,55} = 0,03769$$

$$m = \frac{y^*n - yn}{yn} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$Nij = yij \cdot m = 99969,24 \cdot (0,03492) = 3490,92860$$

$$Mij = yij \cdot (rin - m) = 99969,24 \cdot (0,03769 - 0,03492) \\ = 277,11281$$

$$Cij = yij \cdot (rij - rin) = 99969,24 \cdot (0,01646 - 0,03769) \\ = -2122,36142$$

$$Dij = Nij + Mij + Cij = 3490,92860 + 277,11281 + (-2122,36142) \\ = 1645,68$$

Perhitungan *Shift-Share*
Tahun analisis 1998 – 1999

9. Sektor Jasa-jasa

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{175003,169 - 169232,36}{169232,36} = 0,03356$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{3987776,61 - 3995962,44}{3995962,44} = -0,00204$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{39394513,74 - 38065273,35}{38065273,35} = 0,03492$$

$$N_{ij} = y_{ij} \cdot m = 169232,36 \cdot (0,03492) = 5909,59866$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 169232,36 \cdot (-0,00204 - 0,03492) \\ = -6256,27542$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 169232,36 \cdot (0,03356 - (-0,00204)) \\ = 6117,40676$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 5909,59866 + (-6256,27542) + 6117,40676 \\ = 5770,73$$

Perhitungan Shift-Share
Tahun analisis 1999 – 2000

1. Sektor Pertanian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{19583,98 - 19106,32}{19106,32} = 0,025$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{8455973,17 - 8184670,67}{8184670,67} = 0,03314$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 19106,32 \cdot (0,03927) = 750,36862$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 19106,32 \cdot (0,03314 - 0,03927) \\ = -117,03924$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 19106,32 \cdot (0,025 - 0,03314) \\ = -155,66938$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 750,36862 + (-117,03924) + (-155,66938) \\ = 477,66$$

Perhitungan Shift-Share
Tahun analisis 1999 – 2000

2. Sektor Pertambangan dan Penggalian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{797,75 - 782,88}{782,88} = 0,01899$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{589963,73 - 575612,99}{575612,99} = 0,02493$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 782,88 \cdot (0,03927) = 30,74630$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 782,88 \cdot (0,02493 - 0,03927) \\ = -11,22814$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 782,88 \cdot (0,01899 - 0,02493) \\ = -4,64816$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 30,74630 + (-11,22814) + (-4,64816) \\ = 14,87$$

Perhitungan Shift-Share
Tahun analisis 1999 – 2000

3. Sektor Industri Pengolahan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{326192,39 - 313345,24}{313345,24} = 0,04099$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{12421426,24 - 12036861,68}{12036861,68} = 0,03194$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 313345,24 \cdot (0,03927) = 12306,10793$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 313345,24 \cdot (0,03194 - 0,03927) \\ = -2295,07037$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 313345,24 \cdot (0,04099 - 0,03194) \\ = 2836,11244$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 12306,10793 + (-2295,07037) + 2836,11244 \\ = 12847,15$$

Perhitungan Shift-Share
Tahun analisis 1999 – 2000

4. Sektor Listrik, Gas dan Air Bersih

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{25954,93 - 24837,25}{24837,25} = 0,045$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{493724,43 - 450221,11}{450221,11} = 0,09662$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 24837,25 \cdot (0,03927) = 975,44127$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 24837,25 \cdot (0,09662 - 0,03927) \\ = 1424,49692$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 24837,25 \cdot (0,045 - 0,09662) \\ = -1282,25819$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 975,44127 + 1424,49692 + (-1282,25819) \\ = 1117,68$$

Perhitungan *Shift-Share*
Tahun analisis 1999 – 2000

5. Sektor Bangunan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{173257,84 - 169032,04}{169032,04} = 0,02499$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1650463,27 - 1626238,40}{1626238,40} = 0,01489$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 169032,04 \cdot (0,03927) = 6638,44942$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 169032,04 \cdot (0,01489 - 0,03927) \\ = -4120,50421$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 169032,04 \cdot (0,02499 - 0,01489) \\ = 1707,85479$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 6638,44942 + (-4120,50421) + 1707,85479 \\ = 425,80$$

Perhitungan *Shift-Share*
Tahun analisis 1999 – 2000

6. Sektor Perdagangan, Hotel dan Restoran

$$r_{ij} = \frac{y^*_{ij} - y_{ij}}{y_{ij}} = \frac{291792,12 - 280539,80}{280539,80} = 0,04010$$

$$r_{in} = \frac{y^*_{in} - y_{in}}{y_{in}} = \frac{9362603,63 - 9026900,22}{9026900,22} = 0,06709$$

$$m = \frac{y^*_{n} - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 280539,80 \cdot (0,03927) = 11017,72938$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 280539,80 \cdot (0,06709 - 0,03927) \\ = 7806,44164$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 280539,80 \cdot (0,04010 - 0,06709) \\ = 7571,85102$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 11017,72938 + 7806,44164 + 7571,85102 \\ = 11525,32$$

Perhitungan *Shift-Share*
Tahun analisis 1999 – 2000

7. Sektor Pengangkutan dan Komunikasi

$$rij = \frac{y^*i - yij}{yij} = \frac{173041,15 - 166545,87}{166545,87} = 0,03899$$

$$rin = \frac{y^*in - yin}{yin} = \frac{2053018,42 - 1946926,99}{1946926,99} = 0,05449$$

$$m = \frac{y^*n - yn}{yn} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$Nij = yij \cdot m = 166545,87 \cdot (0,03927) = 6540,80927$$

$$Mij = yij \cdot (rin - m) = 166545,87 \cdot (0,05449 - 0,03927) \\ = 2534,56418$$

$$Cij = yij \cdot (rij - rin) = 166545,87 \cdot (0,03899 - 0,05449) \\ = -2580,09345$$

$$Dij = Nij + Mij - Cij = 6540,80927 + 2534,56418 + (-2580,09345) \\ = 6495,28$$

Perhitungan *Shift-Share*
Tahun analisis 1999 – 2000

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{108193,88 - 101614,92}{101614,92} = 0,06474$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1605968,13 - 1559305,07}{1559305,07} = 0,05878$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 101614,92 \cdot (0,03927) = 3990,75528$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 101614,92 \cdot (0,05878 - 0,03927) \\ = -949,87304$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 101614,92 \cdot (0,06474 - 0,05878) \\ = 3538,07775$$

$$D_{ij} = N_{ij} - M_{ij} + C_{ij} = 3990,75528 + (-949,87304) + 3538,07775 \\ = 6578,96$$

Perhitungan *Shift-Share*
Tahun analisis 1999 – 2000

9. Sektor Jasa-jasa

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{183901,88 - 175003,09}{175003,09} = 0,05084$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{4038526,07 - 3987776,61}{3987776,61} = 0,01272$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{40941667,09 - 39394513,74}{39394513,74} = 0,03927$$

$$N_{ij} = y_{ij} \cdot m = 175003,09 \cdot (0,03927) = 6872,95238$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 175003,09 \cdot (0,01272 - 0,03927) \\ = -4645,81852$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 175003,09 \cdot (0,05084 - 0,01272) \\ = 6671,65614$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 6872,95238 + (-4645,81852) + 6671,65614 \\ = 8898,79$$

Perhitungan Shift-Share
Tahun analisis 2000 – 2001

1. Sektor Pertanian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{19598,58 - 19583,98}{19583,98} = 0,00075$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{8598967,96 - 8455973,17}{8455973,17} = 0,01691$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 19583,98 \cdot (0,03330) = 652,21901$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 19583,98 \cdot (0,01691 - 0,03330) \\ = -321,04462$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 19583,98 \cdot (0,00075 - 0,01691) \\ = -316,57440$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 652,21901 + (-321,04462) + (-316,57440) \\ = 14,60$$

Perhitungan *Shift-Share*
Tahun analisis 2000 – 2001

2. Sektor Pertambangan dan Penggalian

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{806,52 - 797,75}{797,75} = 0,01099$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{642027,09 - 589963,73}{589963,73} = 0,08824$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 797,75 \cdot (0,03330) = 26,56803$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 797,75 \cdot (0,08824 - 0,03330) = 43,83214$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 797,75 \cdot (0,01099 - 0,08824) = -61,63017$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 26,56803 + 43,83214 + (-61,63017) = 8,77$$

Perhitungan *Shift-Share*
Tahun analisis 2000 – 2001

3. Sektor Industri Pengolahan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{338635,36 - 326192,39}{326192,39} = 0,03814$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{12819594,90 - 12421426,24}{12421426,24} = 0,03205$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 326192,39 \cdot (0,03330) = 10863,41383$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 326192,39 \cdot (0,03205 - 0,03330) \\ = -407,32092$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 326192,39 \cdot (0,03814 - 0,03205) \\ = 1986,87709$$

$$D_{ij} = N_{ij} - M_{ij} + C_{ij} = 10863,41383 + (-407,32092) + 1986,87709 \\ = 12442,97$$

Perhitungan *Shift-Share*
Tahun analisis 2000 – 2001

4. Sektor Listrik, Gas dan Air Bersih

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{27066,30 - 25954,93}{25954,93} = 0,04282$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{509108,39 - 493724,43}{493724,43} = 0,03115$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 25954,93 \cdot (0,03330) = 864,39523$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 25954,93 \cdot (0,03115 - 0,03330) \\ = -55,66554$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 25954,93 \cdot (0,04282 - 0,03115) \\ = 302,64031$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 864,39523 + (-55,66554) + 302,64031 \\ = 1111,37$$

Perhitungan Shift-Share
Tahun analisis 2000 – 2001

5. Sektor Bangunan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{177242,77 - 173257,84}{173257,84} = 0,02299$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{1693045,33 - 1650463,27}{1650463,27} = -0,0258$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 173257,84 \cdot (0,03330) = 5770,12730$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 173257,84 \cdot (0,0258 - 0,03330) \\ = -1300,06373$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 173257,84 \cdot (0,02299 - 0,0258) \\ = -485,13357$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 5770,12730 + (-1300,06373) + (-485,13357) \\ = 3984,93$$

Perhitungan *Shift-Share*
Tahun analisis 2000 – 2001

6. Sektor Perdagangan, Hotel dan Restoran

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{302449,10 - 291792,12}{291792,12} = 0,03652$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{10092087,90 - 9632603,63}{9632603,63} = 0,0477$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 291792,12 \cdot (0,03330) = 9717,75752$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 291792,12 \cdot (0,0477 - 0,03330) \\ = 4201,00156$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 291792,12 \cdot (0,03652 - 0,0477) \\ = -3261,77908$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 9717,75752 + 4201,00156 + (-3261,77908) \\ = 10656,98$$

Perhitungan Shift-Share
Tahun analisis 2000 – 2001

7. Sektor Pengangkutan dan Komunikasi

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{179683,77 - 173041,15}{173041,15} = 0,03838$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{2219896,60 - 2053018,42}{2053018,42} = 0,08128$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 173041,15 \cdot (0,03330) = 5762,91072$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 173041,15 \cdot (0,08128 - 0,03330) \\ = 8302,61928$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 173041,15 \cdot (0,03838 - 0,08128) \\ = -7422,91$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 5762,91072 + 8302,61928 + (-7422,91) \\ = 6642,62$$

Perhitungan *Shift-Share*
Tahun analisis 2000 – 2001

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{114816,05 - 108193,88}{108193,88} = 0,06120$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{4107700,47 - 4038526,07}{4038526,07} = 0,01712$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 108193,88 \cdot (0,03330) = 3603,25663$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 108193,88 \cdot (0,01712 - 0,03330) \\ = -2472,81497$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 108193,88 \cdot (0,06120 - 0,01712) \\ = 5491,72834$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 3603,25663 + (-2472,81497) + 5491,72834 \\ = 6642,62$$

Perhitungan *Shift-Share*
Tahun analisis 2000 – 2001

9. Sektor Jasa-jasa

$$r_{ij} = \frac{y^*i - y_{ij}}{y_{ij}} = \frac{193584,19 - 183901,88}{183901,88} = 0,05264$$

$$r_{in} = \frac{y^*in - y_{in}}{y_{in}} = \frac{4107700,47 - 4038526,07}{4038526,07} = -0,01712$$

$$m = \frac{y^*n - y_n}{y_n} = \frac{42305176,40 - 40941667,09}{40941667,09} = 0,03330$$

$$N_{ij} = y_{ij} \cdot m = 183901,88 \cdot (0,03330) = 6124,61323$$

$$M_{ij} = y_{ij} \cdot (r_{in} - m) = 183901,88 \cdot (0,01712 - 0,03330) \\ = -2974,62683$$

$$C_{ij} = y_{ij} \cdot (r_{ij} - r_{in}) = 183901,88 \cdot (0,05264 - 0,01712) \\ = 6532,32360$$

$$D_{ij} = N_{ij} + M_{ij} + C_{ij} = 6124,61323 + (-2974,62683) + 6532,32360 \\ = 9682,31$$

LAMPIRAN 2 :
ANALISIS LOCATION QUOTIENT

Perhitungan *Location Quotient*

Tahun 1997

1. Sektor Pertanian

$$LQ = \frac{18497,22 / 1432582,37}{8216026,20 / 43129838,90} = 0,067780205$$

2. Sektor Pertambangan dan Penggalian

$$LQ = \frac{870,69 / 1432582,37}{587426,67 / 43129838,90} = 0,044623962$$

3. Sektor Industri Pengolahan

$$LQ = \frac{345594,90 / 1432582,37}{13709758,32 / 43129838,90} = 0,758919583$$

4. Sektor Listrik, Gas dan Air Bersih

$$LQ = \frac{24405,37 / 1432582,37}{393556,61 / 43129838,90} = 1,866966043$$

5. Sektor Bangunan

$$LQ = \frac{186828,59 / 1432582,37}{2139684,09 / 43129838,90} = 2,6287659$$

6. Sektor Perdagangan, Hotel dan Restoran

$$LQ = \frac{327422,20 / 1432582,37}{9612930,14 / 43129838,90} = 1,025440745$$

7. Sektor Pengangkutan dan Komunikasi

$$LQ = \frac{160767,08 / 1432582,37}{1766846,11 / 43129838,90} = 2,739407452$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$LQ = \frac{173060,69 / 1432582,37}{2283522,22 / 43129838,90} = 2,281662595$$

9. Sektor Jasa-jasa

$$LQ = \frac{195135,63 / 1432582,37}{4420088,54 / 43129838,90} = 1,329118918$$

Perhitungan *Location Quotient*

Tahun 1998

1. Sektor Pertanian

$$LQ = \frac{18645,31 / 1233018,44}{7940632,03 / 38065273,35} = 0,072489302$$

2. Sektor Pertambangan dan Penggalian

$$LQ = \frac{780,33 / 1233018,44}{545662,76 / 38065273,35} = 0,044148237$$

3. Sektor Industri Pengolahan

$$LQ = \frac{310318,03 / 1233018,44}{11707062,06 / 38065273,35} = 0,818311152$$

4. Sektor Listrik, Gas dan Air Bersih

$$LQ = \frac{24262,51 / 1233018,44}{407879,93 / 38065273,35} = 1,836380923$$

5. Sektor Bangunan

$$LQ = \frac{168023,90 / 1233018,44}{1452845,56 / 38065273,35} = 3,570351642$$

6. Sektor Perdagangan, Hotel dan Restoran

$$LQ = \frac{278598,90 / 1233018,44}{8747296,31 / 38065273,35} = 0,98325223$$

7. Sektor Pengangkutan dan Komunikasi

$$LQ = \frac{163187,86 / 1233018,44}{1765265,71 / 38065273,35} = 2,853889432$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$LQ = \frac{99969,24 / 1233018,44}{1502666,55 / 38065273,35} = 2,053823661$$

9. Sektor Jasa-jasa

$$LQ = \frac{169232,36 / 1233018,44}{3995962,44 / 38065273,35} = 1,307438877$$

Perhitungan *Location Quotient*

Tahun 1999

1. Sektor Pertanian

$$LQ = \frac{19106,32 / 1250807,41}{8184670,67 / 39394513,74} = 0,073522647$$

2. Sektor Pertambangan dan Penggalian

$$LQ = \frac{782,88 / 1250807,41}{575612,99 / 39394513,74} = 0,042836098$$

3. Sektor Industri Pengolahan

$$LQ = \frac{313345,24 / 1250807,41}{12036861,68 / 39394513,74} = 0,819889133$$

4. Sektor Listrik, Gas dan Air Bersih

$$LQ = \frac{24837,25 / 1250807,41}{450221,11 / 39394513,74} = 1,737462558$$

5. Sektor Bangunan

$$LQ = \frac{169032,04 / 1250807,41}{1626238,40 / 39394513,74} = 3,273633976$$

6. Sektor Perdagangan, Hotel dan Restoran

$$LQ = \frac{280539,80 / 1250807,41}{9026900,22 / 39394513,74} = 0,97881618$$

7. Sektor Pengangkutan dan Komunikasi

$$LQ = \frac{166545,87 / 1250807,41}{1946926,99 / 39394513,74} = 2,694197945$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$LQ = \frac{101614,92 / 1250807,41}{1559305,07 / 39394513,74} = 2,052445753$$

9. Sektor Jasa-jasa

$$LQ = \frac{175003,09 / 1250807,41}{3987776,61 / 39394513,74} = 1,382165964$$

Perhitungan *Location Quotient*

Tahun 2000

1. Sektor Pertanian

$$LQ = \frac{19583,98 / 1302715,92}{8455973,17 / 40941667,09} = 0,072786889$$

2. Sektor Pertambangan dan Penggalian

$$LQ = \frac{797,75 / 1302715,92}{589963,73 / 40941667,09} = 0,042496905$$

3. Sektor Industri Pengolahan

$$LQ = \frac{326192,39 / 1302715,92}{12421426,24 / 40941667,09} = 0,825312004$$

4. Sektor Listrik, Gas dan Air Bersih

$$LQ = \frac{25954,93 / 1302715,92}{493724,43 / 40941667,09} = 1,652155981$$

5. Sektor Bangunan

$$LQ = \frac{173257,84 / 1302715,92}{1650463,27 / 40941667,09} = 3,299155866$$

6. Sektor Perdagangan, Hotel dan Restoran

$$LQ = \frac{291792 / 1302715,92}{9632603,63 / 40941667,09} = 0,952019121$$

7. Sektor Pengangkutan dan Komunikasi

$$LQ = \frac{173041,15 / 1302715,92}{2053018,42 / 40941667,09} = 2,648941387$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$LQ = \frac{108193,88 / 1302715,92}{1605968,13 / 40941667,09} = 2,11729599$$

9. Sektor Jasa-jasa

$$LQ = \frac{183901,88 / 1302715,92}{4038526,07 / 40941667,09} = 1,431129982$$

Perhitungan *Location Quotient*

Tahun 2001

1. Sektor Pertanian

$$LQ = \frac{19598,58 / 1353882,64}{8598967,96 / 42305176,40} = 0,071218162$$

2. Sektor Pertambangan dan Penggalian

$$LQ = \frac{806,52 / 1353882,64}{642027,09 / 42305176,40} = 0,039253128$$

3. Sektor Industri Pengolahan

$$LQ = \frac{338635,36 / 1353882,64}{12819594,90 / 42305176,40} = 0,825411459$$

4. Sektor Listrik, Gas dan Air Bersih

$$LQ = \frac{27066,30 / 1353882,64}{509108,39 / 42305176,40} = 1,661235211$$

5. Sektor Bangunan

$$LQ = \frac{177242,77 / 1353882,64}{1693045,33 / 42305176,40} = 3,27124019$$

6. Sektor Perdagangan, Hotel dan Restoran

$$LQ = \frac{302449,10 / 1353882,64}{10092087,90 / 42305176,40} = 0,936429649$$

7. Sektor Pengangkutan dan Komunikasi

$$LQ = \frac{179683,77 / 1353882,64}{2219896,60 / 42305176,40} = 2,52923158$$

8. Sektor Keuangan, Persewaan dan Jasa Perusahaan

$$LQ = \frac{114816,05 / 1353882,64}{1622744,76 / 42305176,40} = 2,210874416$$

9. Sektor Jasa-jasa

$$LQ = \frac{193584,19 / 1353882,64}{4107700,47 / 42305176,40} = 1,472595973$$