

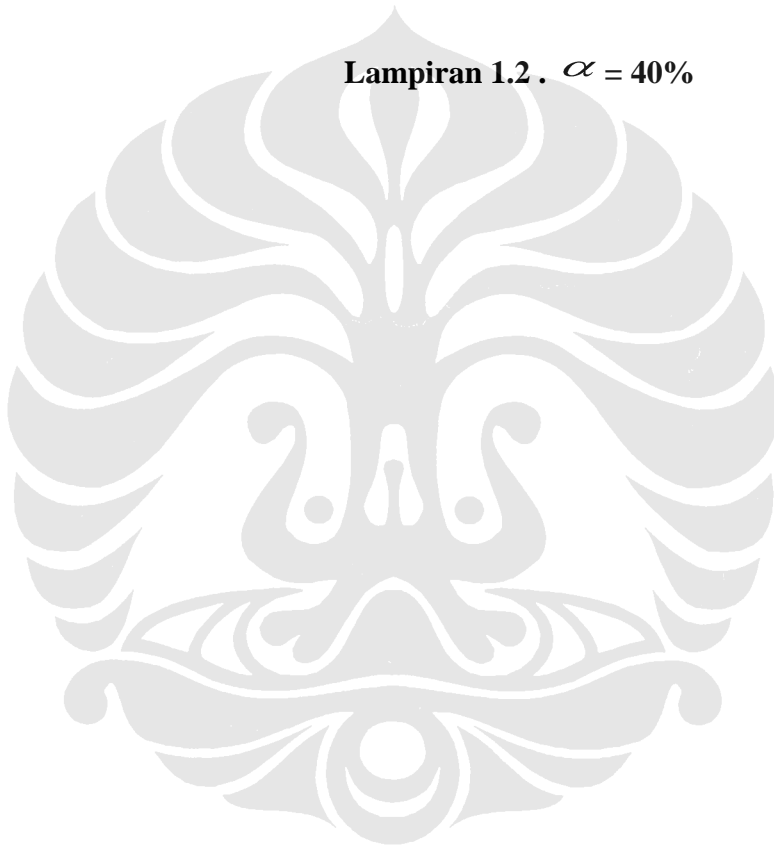
LAMPIRAN

Lampiran 1. Perhitungan Dampak Simulasi Bagi Hasil Terhadap *Vertical*

Imbalances

Lampiran 1.1. $\alpha = 0\%$

Lampiran 1.2 . $\alpha = 40\%$



Lampiran 1.1.1. Perhitungan Dampak Simulasi Bagi Hasil Terhadap *Vertical Imbalances* pada Simulasi II , $\alpha = 0\%$

Tabel .1.1.1.1a. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Pusat

Tingkat bagi hasil	Total penerimaan awal	Pertumbuhan PPN	Pajak h&r	Total penerimaan sebelum bagi hasil	Pagu bagi hasil		Total pagu bagi hasil	Nilai bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase (%)
					Total PPN	Pajak h&r					
β	d_1	$\alpha \times PPN$	c	e_1	b	c	f	g	h_1	i_1	j_1
				$d_1 + a + c$	$(1 + \alpha)PPN$	c	$b + c$	$\beta \times f$	$e_1 - g$	$h_1 - d_1$	i_1 / d_1
0.00	407.50	0.00	1.57	409.07	87.50	1.57	89.07	0.00	409.07	1.57	0.39
0.10	407.50	0.00	1.57	409.07	87.50	1.57	89.07	8.91	400.16	-7.34	-1.80
0.20	407.50	0.00	1.57	409.07	87.50	1.57	89.07	17.81	391.26	-16.24	-3.99
0.25	407.50	0.00	1.57	409.07	87.50	1.57	89.07	22.27	386.80	-20.70	-5.08
0.30	407.50	0.00	1.57	409.07	87.50	1.57	89.07	26.72	382.35	-25.15	-6.17

Tabel .1.1.1.2a. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Daerah

Tingkat bagi hasil	Total penerimaan Awal	Pajak h&r	Total penerimaan sebelum bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase
β	d_2	c	e_2	h_2	i_2	j_2
			$d_2 - c$	$e_2 + g$	$h_2 - d_2$	i_2 / d_2
0.00	164.81	1.57	163.24	163.24	-1.57	-0.95
0.10	164.81	1.57	163.24	172.15	7.34	4.45
0.20	164.81	1.57	163.24	181.05	16.24	9.86
0.25	164.81	1.57	163.24	185.51	20.70	12.56
0.30	164.81	1.57	163.24	189.96	25.15	15.26

Lampiran 1.1.2. Perhitungan Dampak Simulasi Bagi Hasil Terhadap *Vertical Imbalances* pada Simulasi I, $\alpha = 0\%$

Tabel 1.1.2.1a. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Pusat

Tingkat bagi hasil	Total penerimaan awal	Pertumbuhan PPN	Pajak h&r	Total penerimaan sebelum bagi hasil	Pagu bagi hasil		Total pagu bagi hasil	Nilai bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase (%)
					Total PPN	Pajak h&r					
β	d_1	$\alpha \times PPN$	c	e_1	b	c	f	g	h_1	i_1	j_1
				$d_1 + a + c$	$(1 + \alpha)PPN$	c	$b + c$	$\beta \times f$	$e_1 - g$	$h_1 - d_1$	i_1 / d_1
0.00	407.50	0.00	0.00	407.50	87.50	0.00	87.50	0.00	407.50	0.00	0.00
0.10	407.50	0.00	0.00	407.50	87.50	0.00	87.50	8.75	398.75	-8.75	-2.15
0.20	407.50	0.00	0.00	407.50	87.50	0.00	87.50	17.50	390.00	-17.50	-4.29
0.25	407.50	0.00	0.00	407.50	87.50	0.00	87.50	21.88	385.63	-21.88	-5.37
0.30	407.50	0.00	0.00	407.50	87.50	0.00	87.50	26.25	381.25	-26.25	-6.44

Tabel.1.1.2.2a. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Daerah

Tingkat bagi hasil	Total penerimaan Awal	Pajak h&r	Total penerimaan sebelum bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase
β	d_2	c	e_2	h_2	i_2	j_2
			$d_2 - c$	$e_2 + g$	$h_2 - d_2$	i_2 / d_2
0.00	164.81	0.00	164.81	164.81	0.00	0.00
0.10	164.81	0.00	164.81	173.56	8.75	5.31
0.20	164.81	0.00	164.81	182.31	17.50	10.62
0.25	164.81	0.00	164.81	186.69	21.88	13.27
0.30	164.81	0.00	164.81	191.06	26.25	15.93

Lampiran 1.2.1. Perhitungan Dampak Simulasi Bagi Hasil Terhadap *Vertical Imbalances* pada Simulasi II, $\alpha = 40\%$

Tabel .1.2.1.1b. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Pusat

Tingkat bagi hasil	Total penerimaan awal	Pertumbuhan PPN	Pajak h&r	Total penerimaan sebelum bagi hasil	Pagu bagi hasil		Total pagu bagi hasil	Nilai bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase (%)
					Total PPN	Pajak h&r					
β	d_1	$\alpha \times PPN$	c	e_1	b	c	f	g	h_1	i_1	j_1
				$d_1 + a + c$	$(1 + \alpha)PPN$	c	$b + c$	$\beta \times f$	$e_1 - g$	$h_1 - d_1$	i_1 / d_1
0.00	407.50	35.00	1.57	444.07	122.50	1.57	124.07	0.00	444.07	36.57	8.97
0.10	407.50	35.00	1.57	444.07	122.50	1.57	124.07	12.41	431.66	24.16	5.93
0.20	407.50	35.00	1.57	444.07	122.50	1.57	124.07	24.81	419.26	11.76	2.88
0.25	407.50	35.00	1.57	444.07	122.50	1.57	124.07	31.02	413.05	5.55	1.36
0.30	407.50	35.00	1.57	444.07	122.50	1.57	124.07	37.22	406.85	-0.65	-0.16

Tabel.1.2.1.2b. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Daerah

Tingkat bagi hasil	Total penerimaan Awal	Pajak h&r	Total penerimaan sebelum bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase
β	d_2	c	e_2	h_2	i_2	j_2
			$d_2 - c$	$e_2 + g$	$h_2 - d_2$	i_2 / d_2
0.00	164.81	1.57	163.24	163.24	-1.57	-0.95
0.10	164.81	1.57	163.24	175.65	10.84	6.58
0.20	164.81	1.57	163.24	188.05	23.24	14.10
0.25	164.81	1.57	163.24	194.26	29.45	17.87
0.30	164.81	1.57	163.24	200.46	35.65	21.63

Lampiran. 1.2.2. Perhitungan Dampak Simulasi Bagi Hasil Terhadap *Vertical Imbalances* pada Simulasi I, $\alpha = 40\%$

Tabel.1.2.2.1b. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Pusat

Tingkat bagi hasil	Total penerimaan awal	Pertumbuhan PPN	Pajak h&r	Total penerimaan sebelum bagi hasil	Pagu bagi hasil		Total pagu bagi hasil	Nilai bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan penerimaan	Persentase (%)
					Total PPN	Pajak h&r					
β	d_1	$\alpha \times PPN$	c	e_1	b	c	f	g	h_1	i_1	j_1
				$d_1 + a + c$	$(1 + \alpha)PPN$	c	$b + c$	$\beta \times f$	$e_1 - g$	$h_1 - d_1$	i_1 / d_1
0.00	407.50	35.00	0.00	442.50	122.50	0.00	122.50	0.00	442.50	35.00	8.59
0.10	407.50	35.00	0.00	442.50	122.50	0.00	122.50	12.25	430.25	22.75	5.58
0.20	407.50	35.00	0.00	442.50	122.50	0.00	122.50	24.50	418.00	10.50	2.58
0.25	407.50	35.00	0.00	442.50	122.50	0.00	122.50	30.63	411.88	4.38	1.07
0.30	407.50	35.00	0.00	442.50	122.50	0.00	122.50	36.75	405.75	-1.75	-0.43

Tabel.1.2.2.2b. Perhitungan Dampak Simulasi Bagi Hasil pada Peningkatan Penerimaan Pemerintah Daerah

Tingkat bagi hasil	Total penerimaan Awal	Pajak h&r	Total penerimaan sebelum bagi hasil	Total penerimaan setelah bagi hasil	Peningkatan Penerimaan	Persentase
β	d_2	c	e_2	h_2	i_2	j_2
			$d_2 - c$	$e_2 + g$	$h_2 - d_2$	i_2 / d_2
0.00	164.81	0.00	164.81	164.81	0.00	0.00
0.10	164.81	0.00	164.81	177.06	12.25	7.43
0.20	164.81	0.00	164.81	189.31	24.50	14.87
0.25	164.81	0.00	164.81	195.44	30.63	18.58
0.30	164.81	0.00	164.81	201.56	36.75	22.30

Tabel 3a. Data – Data

Provinsi	Pertumbuhan ekonomi (%) ³⁷	Jumlah Penduduk (jiwa)	Persentase terhadap total penduduk	Luas wilayah (km ²)	Kepadatan Penduduk per km ²
Aceh	11.80	4024705.2	1.86	52268.8987	77
Sumut	5.27	12290497.6	5.68	73595.79401	167
Sumbar	5.37	4370916.4	2.02	42852.12157	102
Riau	2.55	5863952.2	2.71	94579.87419	62
Jambi	5.65	2596584	1.2	52991.5102	49
Sumsel	4.22	6642927.4	3.07	93562.35775	71
Bengkulu	5.38	1579588.6	0.73	19744.8575	80
Lampung	5.38	7183882.4	3.32	35388.58325	203
Babel	14.73	952080.8	0.44	16136.96271	59
Dki	5.48	8633641.8	3.99	663.8199139	13006
Jabar	4.31	38386166.8	17.74	34613.31542	1109
Jateng	5.05	31764877.6	14.68	32545.98115	976
Diy	4.84	3245730	1.5	3182.088235	1020
Jatim	5.30	35400095.2	16.36	47902.69986	739
Banten	5.57	9044767.6	4.18	8638.746514	1047
Bali	4.10	3332282.8	1.54	5628.856081	592
Kalbar	4.12	4327640	1.98	149228.9655	29
Kalteng	5.51	2077267.2	1.88	148376.2286	14
Kalsel	9.31	3180815.4	2	43572.8137	73
Kaltim	1.81	2748051.4	0.96	229004.2833	12
Sulut	3.59	2120543.6	1.47	15366.25797	138
Gorontalo	6.95	865528	1.27	12190.53521	71
Sultengah	6.68	2358563.8	0.98	63744.96757	37
Sulsel	5.26	8417259.8	1.09	62350.07259	135
Sultengg	7.54	2033990.8	3.89	38377.18491	53
Ntb	5.12	4284363.6	0.94	20114.3831	213
Ntt	4.67	4067981.6	0.4	47302.11163	86
Maluku	4.37	1233377.4	0.57	47437.59231	26
Malut	4.26	887166.2	0.41	31684.50714	28
Papua	1.55	2466754.8	1.14	352393.5429	7
Jumlah		216,382,000	100	1875439.913	20281

Sumber: Badan Pusat Statistik

³⁷ Rata – rata pertumbuhan PDRB 2002 – 2004, untuk provinsi Aceh dan Papua, pertumbuhan ekonominya memakai pertumbuhan PDRB 2002 – 2003 karena pertumbuhan ekonomi tahun 2004 – nya negatif.

Tabel 3b. Data – Data

Provinsi	Konsumsi	Penerimaan PPN	Total penerimaan provinsi
Aceh	22,884,609,600,000	163,818,932,436	2,257,969,320,000
Sumut	79,511,267,200,000	1,390,564,105,812	1,664,099,170,000
Sumbar	43,605,089,600,000	974,117,387,494	683,907,620,000
Riau	61,444,440,000,000	572,695,387,153	2,119,999,300,000
Jambi	13,176,513,600,000	319,256,627,003	630,144,010,000
Sumsel	49,900,996,800,000	422,778,938,230	1,088,254,840,000
Bengkulu	6,930,929,600,000	410,115,052,983	327,658,230,000
Lampung	6,367,449,600,000	236,106,528,966	341,759,490,000
Babel	28,200,932,800,000	220,189,234,879	822,725,450,000
Dki	175,001,102,400,000	63,297,217,889,879	11,546,326,320,000
Jabar	171,299,332,800,000	6,212,177,361,762	4,044,464,690,000
Jateng	50,114,944,000,000	3,954,889,449,826	1,345,967,020,000
Diy	120,876,552,000,000	683,851,674,486	2,883,599,220,000
Jatim	12,759,027,200,000	1,337,002,909,602	645,623,550,000
Banten	236,861,406,400,000	5,181,485,412,632	3,953,714,570,000
Bali	18,927,763,200,000	310,326,155,517	688,228,962,000
Kalbar	13,025,054,400,000	298,360,025,997	550,928,110,000
Kalteng	17,007,481,600,000	297,180,737,357	667,974,370,000
Kalsel	41,021,382,400,000	1,039,816,342,392	2,532,616,290,000
Kaltim	9,283,052,800,000	39,883,970,668	413,514,920,000
Sulut	2,098,728,000,000	62,111,441,962	256,131,280,000
Gorontalo	10,039,171,200,000	58,035,296,669	413,605,240,000
Sultengah	34,108,633,600,000	194,664,321,536	1,025,052,370,000
Sulsel	7,147,014,400,000	286,755,519,801	381,326,310,000
Sultengg	17,817,248,000,000	238,996,577,826	806,566,460,000
Ntb	10,041,224,000,000	98,300,661,314	472,286,950,000
Ntt	10,038,062,400,000	85,572,182,547	467,637,910,000
Maluku	4,289,683,200,000	144,632,561,891	403,566,200,000
Malut	2,246,635,200,000	153,447,639,027	275,590,000,000
Papua	22,161,044,800,000	109,698,737,687	2,552,088,180,000
Jumlah	1,298,186,772,800,000	88,794,049,065,334	46,263,326,352,000

Sumber: Departemen Keuangan, Badan Pusat Statistik (Romdhony, 2007)

Lampiran 2. Dampak Simulasi Distribusi Dana Bagi Hasil PPN Terhadap

Horizontal Imbalances

Tabel 2. Nama Provinsi dan Singkatannya

Provinsi	Singkatan
Aceh	Nangro Aceh Darussalam
Sumut	Sumatera Utara
Sumbar	Sumatera Barat
Riau	Riau
Jambi	Jambi
Sumsel	Sumatera Selatan
Babel	Bangka Belitung
Bengkulu	Bengkulu
Lampung	Lampung
Dki	DKI Jakarta
Jabar	Jawa Barat
Banten	Banten
Jateng	Jawa Tengah
Diy	Daerah Istimewa Yogyakarta
Jatim	Jawa Timur
Kalbar	Kalimantan Barat
Kalteng	Kalimantan Tengah
Kalsel	Kalimantan Selatan
Kaltim	Kalimantan Timur
Sulut	Sulawesi Utara
Gorontalo	Gorontalo
Sulteng	Sulawesi Tengah
Sulsel	Sulawesi Selatan
Sultengg	Sulawesi Tenggara
Bali	Bali
Ntb	Nusa Tenggara Barat
Ntt	Nusa Tenggara Timur
Maluku	Maluku
Malut	Maluku Utara
Papua	Papua

Tabel 2.1 Perhitungan Indeks Bagi Hasil

Tabel .2.1.1. Perhitungan IBH metode ERA

Provinsi	Pertumbuhan ekonomi (%)	IBH (%)
Aceh	11.80	213.64
Sumut	5.27	95.48
Sumbar	5.37	97.15
Riau	2.55	46.08
Jambi	5.65	102.36
Sumsel	4.22	76.31
Bengkulu	5.38	97.31
Lampung	5.38	97.34
Babel	14.73	266.56
Dki	5.48	99.15
Jabar	4.31	78.03
Jateng	5.05	91.49
Diy	4.84	87.67
Jatim	5.30	95.99
Banten	5.57	100.74
Bali	4.10	74.13
Kalbar	4.12	74.54
Kalteng	5.51	99.81
Kalsel	9.31	168.59
Kaltim	1.81	32.67
Sulut	3.59	65.00
Gorontalo	6.95	125.83
Sultengah	6.68	120.90
Sulsel	5.26	95.17
Sultengg	7.54	136.48
Ntb	5.12	92.65
Ntt	4.67	84.55
Maluku	4.37	79.08
Malut	4.26	77.19
Papua	1.55	28.11
Jumlah		3000.00
rata - rata	5.52	100.00

Sumber: Hasil perhitungan

Tabel 2.1.2. Tabel Perhitungan IBH Metode ENA

Provinsi	Jumlah Penduduk (jiwa)	Luas wilayah (km ²)	P(Z1)	P(Z2)	P(Z1+Z2)	IBH (%)
	Z1	Z2				
Aceh	4024705.2	52268.90	0.37	0.44	0.82	91.62
Sumut	12290497.6	73595.79	0.70	0.56	1.26	140.48
Sumbar	4370916.4	42852.12	0.39	0.40	0.78	87.54
Riau	5863952.2	94579.87	0.45	0.67	1.11	124.63
Jambi	2596584	52991.51	0.32	0.45	0.77	86.11
Sumsel	6642927.4	93562.36	0.48	0.66	1.14	127.56
Bengkulu	1579588.6	19744.86	0.28	0.28	0.57	63.37
Lampung	7183882.4	35388.58	0.50	0.36	0.86	95.75
Babel	952080.8	16136.96	0.26	0.27	0.53	59.19
Dki	8633641.8	663.82	0.56	0.20	0.76	84.86
Jabar	38386166.8	34613.32	1.00	0.35	1.35	151.30
Jateng	31764877.6	32545.98	0.99	0.34	1.34	149.50
Diy	3245730	3182.09	0.34	0.21	0.56	62.16
Jatim	35400095.2	47902.70	1.00	0.42	1.42	158.84
Banten	9044767.6	8638.75	0.57	0.23	0.81	90.23
Bali	3332282.8	5628.86	0.35	0.22	0.57	63.61
Kalbar	4327640	149228.97	0.39	0.88	1.27	141.59
Kalteng	2077267.2	148376.23	0.30	0.88	1.18	132.00
Kalsel	3180815.4	43572.81	0.34	0.40	0.74	82.91
Kaltim	2748051.4	229004.28	0.33	0.99	1.31	147.05
Sulut	2120543.6	15366.26	0.30	0.26	0.57	63.28
Gorontalo	865528	12190.54	0.26	0.25	0.51	56.95
Sultengah	2358563.8	63744.97	0.31	0.51	0.82	91.63
Sulsel	8417259.8	62350.07	0.55	0.50	1.05	117.22
Sultengg	2033990.8	38377.18	0.30	0.37	0.67	75.27
Ntb	4284363.6	20114.38	0.38	0.28	0.67	74.63
Ntt	4067981.6	47302.11	0.38	0.42	0.79	88.85
Maluku	1233377.4	47437.59	0.27	0.42	0.69	77.48
Malut	887166.2	31684.51	0.26	0.34	0.60	67.14
Papua	2466754.8	352393.54	0.32	1.00	1.32	147.27
Jumlah	216382000	1875439.91	13.25	13.56	26.81	3000.00
Rata-rata	7212733.33	62514.66	0.44	0.45	0.89	100.00

Sumber: Hasil perhitungan

Tabel 2.1.3. Perhitungan IBH Metode ERA

Provinsi	Konsumsi	IBH (%)
Aceh	22,884,609,600,000	52.88
Sumut	79,511,267,200,000	183.74
Sumbar	43,605,089,600,000	100.77
Riau	61,444,440,000,000	141.99
Jambi	13,176,513,600,000	30.45
Sumsel	49,900,996,800,000	115.32
Bengkulu	6,930,929,600,000	16.02
Lampung	6,367,449,600,000	14.71
Babel	28,200,932,800,000	65.17
Dki	175,001,102,400,000	404.41
Jabar	171,299,332,800,000	395.86
Jateng	50,114,944,000,000	115.81
Diy	120,876,552,000,000	279.34
Jatim	12,759,027,200,000	29.49
Banten	236,861,406,400,000	547.37
Bali	18,927,763,200,000	43.74
Kalbar	13,025,054,400,000	30.10
Kalteng	17,007,481,600,000	39.30
Kalsel	41,021,382,400,000	94.80
Kaltim	9,283,052,800,000	21.45
Sulut	2,098,728,000,000	4.85
Gorontalo	10,039,171,200,000	23.20
Sultengah	34,108,633,600,000	78.82
Sulsel	7,147,014,400,000	16.52
Sultengg	17,817,248,000,000	41.17
Ntb	10,041,224,000,000	23.20
Ntt	10,038,062,400,000	23.20
Maluku	4,289,683,200,000	9.91
Malut	2,246,635,200,000	5.19
Papua	22,161,044,800,000	51.21
Jumlah	1,298,186,772,800,000	3,000
rata – rata	43,272,892,426,667	100

Sumber: Hasil perhitungan

Tabel 2.2. Perhitungan Nilai Bagi Hasil Berdasarkan IBH Masing – Masing Metode

Tabel 2.2.1. Nilai Bagi hasil Berdasarkan IBH Metode ERA

Provinsi	IBH	NILAI
Aceh	52.88	211,968,608,577.95
Sumut	183.74	736,472,807,237.83
Sumbar	100.77	403,891,975,042.87
Riau	141.99	569,128,889,646.93
Jambi	30.45	122,047,406,642.26
Sumsel	115.32	462,207,791,316.17
Babel	16.02	64,197,708,815.79
Bengkulu	14.71	58,978,477,478.69
Lampung	65.17	261,211,031,811.37
Dki	404.41	1,620,947,039,242.30
Jabar	395.86	1,586,659,412,531.46
Banten	115.81	464,189,476,434.94
Jateng	279.34	1,119,618,598,918.14
Diy	29.49	118,180,440,464.77
Jatim	547.37	2,193,927,867,592.95
Kalbar	43.74	175,318,333,986.22
Kalteng	30.10	120,644,516,383.63
Kalsel	39.30	157,531,733,037.17
Kaltim	94.80	379,960,397,020.37
Sulut	21.45	85,984,240,927.22
Gorontalo	4.85	19,439,460,044.08
Sulteng	23.20	92,987,784,704.87
Sulsel	78.82	315,931,087,794.80
Sultengg	16.52	66,199,193,446.35
Bali	41.17	165,032,191,208.90
Ntb	23.20	93,006,798,756.99
Ntt	23.20	92,977,514,449.13
Maluku	9.91	39,733,174,174.15
Malut	5.19	20,809,449,916.34
Papua	51.21	205,266,592,395.34
Jumlah	3000.00	12,024,450,000,000.00

Sumber: Hasil perhitungan

Tabel 2.2.2 Nilai Bagi Hasil Berdasarkan IBH Metode ENA

Provinsi	IBH	NILAI
Aceh	91.62	367,229,496,808.90
Sumut	140.48	563,080,410,040.59
Sumbar	87.54	350,868,747,642.26
Riau	124.63	499,545,351,024.90
Jambi	86.11	345,122,645,741.26
Sumsel	127.56	511,289,005,526.69
Babel	59.19	237,248,101,278.35
Bengkulu	63.37	253,992,538,120.56
Lampung	95.75	383,770,600,877.25
Dki	84.86	340,111,992,660.73
Jabar	151.30	606,435,361,253.75
Banten	90.23	361,644,229,624.16
Jateng	149.50	599,199,136,348.93
Diy	62.16	249,159,366,003.40
Jatim	158.84	636,648,008,536.13
Kalbar	141.59	567,495,489,183.67
Kalteng	132.00	529,086,353,204.65
Kalsel	82.91	332,335,528,887.67
Kaltim	147.05	589,413,709,962.59
Sulut	63.28	253,616,813,868.24
Gorontalo	56.95	228,257,072,136.22
Sulteng	91.63	367,267,084,235.13
Sulsel	117.22	469,828,914,164.04
Sultengg	75.27	301,702,382,509.67
Bali	63.61	254,953,278,599.51
Ntb	74.63	299,118,351,638.17
Ntt	88.85	356,123,125,453.33
Maluku	77.48	310,539,159,123.02
Malut	67.14	269,094,311,476.09
Papua	147.27	590,273,434,070.14
Jumlah	3000.00	12,024,450,000,000.00

Sumber: Hasil perhitungan

Tabel 2.2.3 Nilai Bagi Hasil Berdasarkan Metode ESNA

Provinsi	IBH	NILAI
Aceh	213.64	856,294,941,193.72
Sumut	95.48	382,705,488,478.36
Sumbar	97.15	389,402,440,321.21
Riau	46.08	184,703,781,594.21
Jambi	102.36	410,261,045,449.03
Sumsel	76.31	305,869,029,125.84
Babel	97.31	390,017,262,689.89
Bengkulu	97.34	390,155,477,228.97
Lampung	266.56	1,068,431,065,794.46
Dki	99.15	397,419,293,193.33
Jabar	78.03	312,756,292,761.06
Banten	91.49	366,693,077,692.69
Jateng	87.67	351,383,348,736.54
Diy	95.99	384,735,158,475.89
Jatim	100.74	403,799,412,337.64
Kalbar	74.13	297,120,945,653.80
Kalteng	74.54	298,765,246,940.01
Kalsel	99.81	400,055,605,812.81
Kaltim	168.59	675,725,775,093.31
Sulut	32.67	130,959,423,412.80
Gorontalo	65.00	260,528,310,100.88
Sulteng	125.83	504,335,104,622.97
Sulsel	120.90	484,604,638,673.35
Sultengg	95.17	381,445,084,688.62
Bali	136.48	547,029,338,635.16
Ntb	92.65	371,347,850,709.31
Ntt	84.55	338,879,038,827.09
Maluku	79.08	316,967,360,608.86
Malut	77.19	309,394,896,288.42
Papua	28.11	112,664,264,859.77
Jumlah	3,000.00	12,024,450,000,000.00

Sumber: Hasil perhitungan

Tabel 2.3. Perhitungan Nilai Bagi Hasil Pemerataan

Tabel 2.3.1. Nilai Bagi Hasil Pemerataan Berdasarkan Proporsi PPN

Provinsi	Proporsi PPN	Nilai
Aceh	0.18	4,929,841,289.70
Sumut	1.57	41,846,569,519.61
Sumbar	1.10	29,314,341,428.53
Riau	0.64	17,234,255,675.01
Jambi	0.36	9,607,464,036.10
Sumsel	0.48	12,722,785,059.76
Babel	0.46	12,341,687,811.42
Bengkulu	0.27	7,105,208,768.96
Lampung	0.25	6,626,205,930.62
Dki	71.29	1,904,817,920,839.45
Jabar	7.00	186,944,500,257.56
Banten	4.45	119,015,409,367.18
Jateng	0.77	20,579,307,719.70
Diy	1.51	40,234,739,966.85
Jatim	5.84	155,927,647,368.65
Kalbar	0.35	9,338,717,277.63
Kalteng	0.34	8,978,617,754.89
Kalsel	0.33	8,943,129,147.17
Kaltim	1.17	31,291,435,380.55
Sulut	0.04	1,200,237,618.89
Gorontalo	0.07	1,869,134,089.66
Sulteng	0.07	1,746,469,699.96
Sulsel	0.22	5,858,078,768.25
Sultengg	0.32	8,629,400,647.07
Bali	0.27	7,192,179,682.44
Ntb	0.11	2,958,184,696.63
Ntt	0.10	2,575,143,620.44
Maluku	0.16	4,352,461,372.10
Malut	0.17	4,617,735,541.52
Papua	0.12	3,301,189,663.71
Jumlah	100.00	2,672,100,000,000.00

Sumber: Hasil perhitungan

Tabel 2.3.2. Nilai Bagi Hasil Berdasarkan Pemerataan Murni

Provinsi	Nilai
Aceh	400,815,000,000.00
Sumut	400,815,000,000.00
Sumbar	400,815,000,000.00
Riau	400,815,000,000.00
Jambi	400,815,000,000.00
Sumsel	400,815,000,000.00
Babel	400,815,000,000.00
Bengkulu	400,815,000,000.00
Lampung	400,815,000,000.00
Dki	400,815,000,000.00
Jabar	400,815,000,000.00
Banten	400,815,000,000.00
Jateng	400,815,000,000.00
Diy	400,815,000,000.00
Jatim	400,815,000,000.00
Kalbar	400,815,000,000.00
Kalteng	400,815,000,000.00
Kalsel	400,815,000,000.00
Kaltim	400,815,000,000.00
Sulut	400,815,000,000.00
Gorontalo	400,815,000,000.00
Sulteng	400,815,000,000.00
Sulsel	400,815,000,000.00
Sultengg	400,815,000,000.00
Bali	400,815,000,000.00
Ntb	400,815,000,000.00
Ntt	400,815,000,000.00
Maluku	400,815,000,000.00
Malut	400,815,000,000.00
Papua	400,815,000,000.00
Jumlah	12,024,450,000,000.00

Sumber: Hasil perhitungan

Tabel. 2.4. Total Nilai Bagi Hasil Masing – Masing Metode

Tabel 2.4.1. Total Bagi Hasil Berdasarkan Metode ERA

Provinsi	Nilai bagi hasil berdasarkan			Total
	Proporsi PPN	Pemerataan murni	IBH	
Aceh	4,929,841,289.70	400815000000	211,968,608,577.95	617,713,449,867.66
Sumut	41,846,569,519.61	400815000000	736,472,807,237.83	1,179,134,376,757.44
Sumbar	29,314,341,428.53	400815000000	403,891,975,042.87	834,021,316,471.40
Riau	17,234,255,675.01	400815000000	569,128,889,646.93	987,178,145,321.95
Jambi	9,607,464,036.10	400815000000	122,047,406,642.26	532,469,870,678.35
Sumsel	12,722,785,059.76	400815000000	462,207,791,316.17	875,745,576,375.94
Babel	12,341,687,811.42	400815000000	64,197,708,815.79	477,354,396,627.20
Bengkulu	7,105,208,768.96	400815000000	58,978,477,478.69	466,898,686,247.65
Lampung	6,626,205,930.62	400815000000	261,211,031,811.37	668,652,237,741.99
Dki	1,904,817,920,839.45	400815000000	1,620,947,039,242.30	3,926,579,960,081.75
Jabar	186,944,500,257.56	400815000000	1,586,659,412,531.46	2,174,418,912,789.02
Banten	119,015,409,367.18	400815000000	464,189,476,434.94	984,019,885,802.12
Jateng	20,579,307,719.70	400815000000	1,119,618,598,918.14	1,541,012,906,637.85
Diy	40,234,739,966.85	400815000000	118,180,440,464.77	559,230,180,431.62
Jatim	155,927,647,368.65	400815000000	2,193,927,867,592.95	2,750,670,514,961.60
Kalbar	9,338,717,277.63	400815000000	175,318,333,986.22	585,472,051,263.85
Kalteng	8,978,617,754.89	400815000000	120,644,516,383.63	530,438,134,138.52
Kalsel	8,943,129,147.17	400815000000	157,531,733,037.17	567,289,862,184.35
Kaltim	31,291,435,380.55	400815000000	379,960,397,020.37	812,066,832,400.92
Sulut	1,200,237,618.89	400815000000	85,984,240,927.22	487,999,478,546.11
Gorontalo	1,869,134,089.66	400815000000	19,439,460,044.08	422,123,594,133.74
Sulteng	1,746,469,699.96	400815000000	92,987,784,704.87	495,549,254,404.83
Sulsel	5,858,078,768.25	400815000000	315,931,087,794.80	722,604,166,563.04
Sultengg	8,629,400,647.07	400815000000	66,199,193,446.35	475,643,594,093.42
Bali	7,192,179,682.44	400815000000	165,032,191,208.90	573,039,370,891.34
Ntb	2,958,184,696.63	400815000000	93,006,798,756.99	496,779,983,453.63
Ntt	2,575,143,620.44	400815000000	92,977,514,449.13	496,367,658,069.57
Maluku	4,352,461,372.10	400815000000	39,733,174,174.15	444,900,635,546.25
Malut	4,617,735,541.52	400815000000	20,809,449,916.34	426,242,185,457.86
Papua	3,301,189,663.71	400815000000	205,266,592,395.34	609,382,782,059.05
Jumlah	2,672,100,000,000	12,024,450,000,000	12,024,450,000,000	26,721,000,000,000

Sumber: Hasil perhitungan

Tabel 2.4.2. Tabel Total Bagi Hasil Berdasarkan Metode ENA

Provinsi	Nilai bagi hasil berdasarkan			Total
	Proporsi PPN	Pemerataan murni	IBH	
Aceh	4,929,841,289.70	40081500000	367,229,496,808.90	772,974,338,098.60
Sumut	41,846,569,519.61	40081500000	563,080,410,040.59	1,005,741,979,560.20
Sumbar	29,314,341,428.53	40081500000	350,868,747,642.26	780,998,089,070.79
Riau	17,234,255,675.01	40081500000	499,545,351,024.90	917,594,606,699.91
Jambi	9,607,464,036.10	40081500000	345,122,645,741.26	755,545,109,777.36
Sumsel	12,722,785,059.76	40081500000	511,289,005,526.69	924,826,790,586.46
Babel	12,341,687,811.42	40081500000	237,248,101,278.35	650,404,789,089.77
Bengkulu	7,105,208,768.96	40081500000	253,992,538,120.56	661,912,746,889.52
Lampung	6,626,205,930.62	40081500000	383,770,600,877.25	791,211,806,807.87
Dki	1,904,817,920,839.45	40081500000	340,111,992,660.73	2,645,744,913,500.18
Jabar	186,944,500,257.56	40081500000	606,435,361,253.75	1,194,194,861,511.31
Banten	119,015,409,367.18	40081500000	361,644,229,624.16	881,474,638,991.34
Jateng	20,579,307,719.70	40081500000	599,199,136,348.93	1,020,593,444,068.64
Diy	40,234,739,966.85	40081500000	249,159,366,003.40	690,209,105,970.25
Jatim	155,927,647,368.65	40081500000	636,648,008,536.13	1,193,390,655,904.78
Kalbar	9,338,717,277.63	40081500000	567,495,489,183.67	977,649,206,461.30
Kalteng	8,978,617,754.89	40081500000	529,086,353,204.65	938,879,970,959.54
Kalsel	8,943,129,147.17	40081500000	332,335,528,887.67	742,093,658,034.84
Kaltim	31,291,435,380.55	40081500000	589,413,709,962.59	1,021,520,145,343.14
Sulut	1,200,237,618.89	40081500000	253,616,813,868.24	655,632,051,487.14
Gorontalo	1,869,134,089.66	40081500000	228,257,072,136.22	630,941,206,225.88
Sulteng	1,746,469,699.96	40081500000	367,267,084,235.13	769,828,553,935.08
Sulsel	5,858,078,768.25	40081500000	469,828,914,164.04	876,501,992,932.29
Sultengg	8,629,400,647.07	40081500000	301,702,382,509.67	711,146,783,156.74
Bali	7,192,179,682.44	40081500000	254,953,278,599.51	662,960,458,281.95
Ntb	2,958,184,696.63	40081500000	299,118,351,638.17	702,891,536,334.80
Ntt	2,575,143,620.44	40081500000	356,123,125,453.33	759,513,269,073.77
Maluku	4,352,461,372.10	40081500000	310,539,159,123.02	715,706,620,495.12
Malut	4,617,735,541.52	40081500000	269,094,311,476.09	674,527,047,017.61
Papua	3,301,189,663.71	40081500000	590,273,434,070.14	994,389,623,733.85
Jumlah	2,672,100,000,000	12,024,450,000,000	12,024,450,000,000	26,721,000,000,000

Sumber: Hasil perhitungan

Tabel 2.4.3. Tabel Total Bagi Hasil Berdasarkan Metode ESNA

Provinsi	Nilai bagi hasil berdasarkan			Total
	Proporsi PPN	Pemerataan murni	IBH	
Aceh	4,929,841,289.70	400815000000	856,294,941,193.72	1,262,039,782,483.42
Sumut	41,846,569,519.61	400815000000	382,705,488,478.36	825,367,057,997.97
Sumbar	29,314,341,428.53	400815000000	389,402,440,321.21	819,531,781,749.74
Riau	17,234,255,675.01	400815000000	184,703,781,594.21	602,753,037,269.22
Jambi	9,607,464,036.10	400815000000	410,261,045,449.03	820,683,509,485.13
Sumsel	12,722,785,059.76	400815000000	305,869,029,125.84	719,406,814,185.60
Babel	12,341,687,811.42	400815000000	390,017,262,689.89	803,173,950,501.30
Bengkulu	7,105,208,768.96	400815000000	390,155,477,228.97	798,075,685,997.93
Lampung	6,626,205,930.62	400815000000	1,068,431,065,794.46	1,475,872,271,725.07
Dki	1,904,817,920,839.45	400815000000	397,419,293,193.33	2,703,052,214,032.78
Jabar	186,944,500,257.56	400815000000	312,756,292,761.06	900,515,793,018.63
Banten	119,015,409,367.18	400815000000	366,693,077,692.69	886,523,487,059.87
Jateng	20,579,307,719.70	400815000000	351,383,348,736.54	772,777,656,456.24
Diy	40,234,739,966.85	400815000000	384,735,158,475.89	825,784,898,442.74
Jatim	155,927,647,368.65	400815000000	403,799,412,337.64	960,542,059,706.29
Kalbar	9,338,717,277.63	400815000000	297,120,945,653.80	707,274,662,931.43
Kalteng	8,978,617,754.89	400815000000	298,765,246,940.01	708,558,864,694.90
Kalsel	8,943,129,147.17	400815000000	400,055,605,812.81	809,813,734,959.98
Kaltim	31,291,435,380.55	400815000000	675,725,775,093.31	1,107,832,210,473.86
Sulut	1,200,237,618.89	400815000000	130,959,423,412.80	532,974,661,031.69
Gorontalo	1,869,134,089.66	400815000000	260,528,310,100.88	663,212,444,190.53
Sulteng	1,746,469,699.96	400815000000	504,335,104,622.97	906,896,574,322.93
Sulsel	5,858,078,768.25	400815000000	484,604,638,673.35	891,277,717,441.60
Sultengg	8,629,400,647.07	400815000000	381,445,084,688.62	790,889,485,335.69
Bali	7,192,179,682.44	400815000000	547,029,338,635.16	955,036,518,317.60
Ntb	2,958,184,696.63	400815000000	371,347,850,709.31	775,121,035,405.95
Ntt	2,575,143,620.44	400815000000	338,879,038,827.09	742,269,182,447.53
Maluku	4,352,461,372.10	400815000000	316,967,360,608.86	722,134,821,980.96
Malut	4,617,735,541.52	400815000000	309,394,896,288.42	714,827,631,829.94
Papua	3,301,189,663.71	400815000000	112,664,264,859.77	516,780,454,523.48
Jumlah	2,672,100,000,000	12,024,450,000,000	12,024,450,000,000	26,721,000,000,000

Sumber: Hasil perhitungan

Tabel 2.5. Perhitungan Indikator Equality pada Masing – Masing Metode

Tabel 2.5.1. Perhitungan indeks Theil untuk metode ERA

Provinsi	Nilai Bagi hasil Metode ERA	$\frac{Xi}{\sum_{j=1}^N Xi}$	$\ln \frac{Xi}{X}$	$\frac{Xi}{\sum_{j=1}^N Xi} \cdot \ln \frac{Xi}{X}$
Aceh	617,713,449,868	0.02	-0.37	-0.01
Sumut	1,179,134,376,757	0.04	0.28	0.01
Sumbar	834,021,316,471	0.03	-0.07	0.00
Riau	987,178,145,322	0.04	0.10	0.00
Jambi	532,469,870,678	0.02	-0.51	-0.01
Sumsel	875,745,576,376	0.03	-0.02	0.00
Babel	477,354,396,627	0.02	-0.62	-0.01
bengkulu	466,898,686,248	0.02	-0.65	-0.01
Lampung	668,652,237,742	0.03	-0.29	-0.01
Dki	3,926,579,960,082	0.15	1.48	0.22
Jabar	2,174,418,912,789	0.08	0.89	0.07
Banten	984,019,885,802	0.04	0.10	0.00
Jateng	1,541,012,906,638	0.06	0.55	0.03
Diy	559,230,180,432	0.02	-0.47	-0.01
Jatim	2,750,670,514,962	0.10	1.13	0.12
Kalbar	585,472,051,264	0.02	-0.42	-0.01
Kalteng	530,438,134,139	0.02	-0.52	-0.01
Kalsel	567,289,862,184	0.02	-0.45	-0.01
Kaltim	812,066,832,401	0.03	-0.09	0.00
Sulut	487,999,478,546	0.02	-0.60	-0.01
gorontalo	422,123,594,134	0.02	-0.75	-0.01
Sulteng	495,549,254,405	0.02	-0.59	-0.01
Sulsel	722,604,166,563	0.03	-0.21	-0.01
Sultengg	475,643,594,093	0.02	-0.63	-0.01
Bali	573,039,370,891	0.02	-0.44	-0.01
Ntb	496,779,983,454	0.02	-0.58	-0.01
Ntt	496,367,658,070	0.02	-0.58	-0.01
Maluku	444,900,635,546	0.02	-0.69	-0.01
Malut	426,242,185,458	0.02	-0.74	-0.01
Papua	609,382,782,059	0.02	-0.38	-0.01
			Indeks Theil (T)	0.25

Sumber: Hasil perhitungan

Tabel 2.5.2. Perhitungan indeks Theil untuk metode ENA

Provinsi	Nilai Bagi hasil Metode ENA	$\frac{X_i}{\sum_{j=1}^N X_j}$	$\ln \frac{X_i}{\bar{X}}$	$\frac{X_i}{\sum_{j=1}^N X_j} \cdot \ln \frac{X_i}{\bar{X}}$
Aceh	772,974,338,099	0.03	-0.14	0.00
Sumut	1,005,741,979,560	0.04	0.12	0.00
Sumbar	780,998,089,071	0.03	-0.13	0.00
Riau	917,594,606,700	0.03	0.03	0.00
Jambi	755,545,109,777	0.03	-0.16	0.00
Sumsel	924,826,790,586	0.03	0.04	0.00
Babel	650,404,789,090	0.02	-0.31	-0.01
Bengkulu	661,912,746,890	0.02	-0.30	-0.01
Lampung	791,211,806,808	0.03	-0.12	0.00
Dki	2,645,744,913,500	0.10	1.09	0.11
Jabar	1,194,194,861,511	0.04	0.29	0.01
Banten	881,474,638,991	0.03	-0.01	0.00
Jateng	1,020,593,444,069	0.04	0.14	0.01
Diy	690,209,105,970	0.03	-0.26	-0.01
Jatim	1,193,390,655,905	0.04	0.29	0.01
Kalbar	977,649,206,461	0.04	0.09	0.00
Kalteng	938,879,970,960	0.04	0.05	0.00
Kalsel	742,093,658,035	0.03	-0.18	-0.01
Kaltim	1,021,520,145,343	0.04	0.14	0.01
Sulut	655,632,051,487	0.02	-0.31	-0.01
Gorontalo	630,941,206,226	0.02	-0.34	-0.01
Sulteng	769,828,553,935	0.03	-0.15	0.00
Sulsel	876,501,992,932	0.03	-0.02	0.00
Sultengg	711,146,783,157	0.03	-0.23	-0.01
Bali	662,960,458,282	0.02	-0.30	-0.01
Ntb	702,891,536,335	0.03	-0.24	-0.01
Ntt	759,513,269,074	0.03	-0.16	0.00
Maluku	715,706,620,495	0.03	-0.22	-0.01
Malut	674,527,047,018	0.03	-0.28	-0.01
Papua	994,389,623,734	0.04	0.11	0.00
			Indeks Theil (T)	0.06

Sumber: Hasil perhitungan

Tabel 2.5.3. Perhitungan Indeks Theil untuk Metode ESNA

Provinsi	Nilai Bagi hasil Metode ESNA	$\frac{X_i}{\sum_{j=1}^N X_j}$	$\ln \frac{X_i}{\bar{X}}$	$\frac{X_i}{\sum_{j=1}^N X_j} \cdot \ln \frac{X_i}{\bar{X}}$
Aceh	1,262,039,782,483	0.05	0.35	0.02
Sumut	825,367,057,998	0.03	-0.08	0.00
Sumbar	819,531,781,750	0.03	-0.08	0.00
Riau	602,753,037,269	0.02	-0.39	-0.01
Jambi	820,683,509,485	0.03	-0.08	0.00
Sumsel	719,406,814,186	0.03	-0.21	-0.01
Babel	803,173,950,501	0.03	-0.10	0.00
bengkulu	798,075,685,998	0.03	-0.11	0.00
Lampung	1,475,872,271,725	0.06	0.50	0.03
Dki	2,703,052,214,033	0.10	1.11	0.11
Jabar	900,515,793,019	0.03	0.01	0.00
Banten	886,523,487,060	0.03	0.00	0.00
Jateng	772,777,656,456	0.03	-0.14	0.00
Diy	825,784,898,443	0.03	-0.08	0.00
Jatim	960,542,059,706	0.04	0.08	0.00
Kalbar	707,274,662,931	0.03	-0.23	-0.01
Kalteng	708,558,864,695	0.03	-0.23	-0.01
Kalsel	809,813,734,960	0.03	-0.10	0.00
Kaltim	1,107,832,210,474	0.04	0.22	0.01
Sulut	532,974,661,032	0.02	-0.51	-0.01
gorontalo	663,212,444,191	0.02	-0.29	-0.01
Sulteng	906,896,574,323	0.03	0.02	0.00
Sulsel	891,277,717,442	0.03	0.00	0.00
Sultengg	790,889,485,336	0.03	-0.12	0.00
Bali	955,036,518,318	0.04	0.07	0.00
Ntb	775,121,035,406	0.03	-0.14	0.00
Ntt	742,269,182,448	0.03	-0.18	-0.01
Maluku	722,134,821,981	0.03	-0.21	-0.01
Malut	714,827,631,830	0.03	-0.22	-0.01
Papua	516,780,454,523	0.02	-0.54	-0.01
			Indeks Theil (T)	0.07

Sumber: Hasil perhitungan

Tabel 2.5.4. Perhitungan Williamson Index untuk Metode ERA

Provinsi	Nilai Bagi hasil Metode ERA	$\Sigma(Y_i - \bar{Y})^2$	$\left(\frac{f_i}{N}\right)$	$\Sigma(Y_i - \bar{Y})^2 + \left(\frac{f_i}{N}\right)$
Aceh	617,713,449,868	7.45217E+22	141332.9	7.45217E+22
Sumut	1,179,134,376,757	8.31944E+22	397448.6	8.31944E+22
Sumbar	834,021,316,471	3.21247E+21	149216.0	3.21247E+21
Riau	987,178,145,322	9.30803E+21	186542.3	9.30803E+21
Jambi	532,469,870,678	1.28329E+23	86092.4	1.28329E+23
Sumsel	875,745,576,376	2.23635E+20	223559.6	2.23635E+20
Babel	477,354,396,627	1.70855E+23	32930.9	1.70855E+23
Bengkulu	466,898,686,248	1.79608E+23	50839.0	1.79608E+23
Lampung	668,652,237,742	4.93052E+22	232085.4	4.93052E+22
Dki	3,926,579,960,082	9.21657E+24	288006.1	9.21657E+24
Jabar	2,174,418,912,789	1.64793E+24	1271265.5	1.64793E+24
Banten	984,019,885,802	8.7086E+21	299977.6	8.7086E+21
Jateng	1,541,012,906,638	4.22907E+23	1072512.0	4.22907E+23
Diy	559,230,180,432	1.09872E+23	107047.5	1.09872E+23
Jatim	2,750,670,514,962	3.45949E+24	1208998.0	3.45949E+24
Kalbar	585,472,051,264	9.31641E+22	132302.3	9.31641E+22
Kalteng	530,438,134,139	1.29789E+23	61959.2	1.29789E+23
Kalsel	567,289,862,184	1.04594E+23	106255.0	1.04594E+23
Kaltim	812,066,832,401	6.18318E+21	90667.8	6.18318E+21
Sulut	487,999,478,546	1.62168E+23	71184.0	1.62168E+23
Gorontalo	422,123,594,134	2.19564E+23	29504.0	2.19564E+23
Sulteng	495,549,254,405	1.56144E+23	78622.8	1.56144E+23
Sulsel	722,604,166,563	2.82562E+22	275089.3	2.82562E+22
Sultengg	475,643,594,093	1.72272E+23	62911.7	1.72272E+23
Bali	573,039,370,891	1.00908E+23	112094.4	1.00908E+23
Ntb	496,779,983,454	1.55173E+23	134161.9	1.55173E+23
Ntt	496,367,658,070	1.55498E+23	136463.6	1.55498E+23
Maluku	444,900,635,546	1.98737E+23	40802.9	1.98737E+23
Malut	426,242,185,458	2.15721E+23	28602.0	2.15721E+23
Papua	609,382,782,059	7.91394E+22	81775.4	7.91394E+22
			Williamson Index (IW)	4.70

Sumber: Hasil perhitungan

Tabel 2.5.5. Perhitungan Williamson Index untuk Metode ENA

Provinsi	Nilai Bagi hasil Metode ENA	$\sum(Y_i - \bar{Y})^2$	$\left(\frac{f_i}{N}\right)$	$\sum(Y_i - \bar{Y})^2 + \left(\frac{f_i}{N}\right)$
Aceh	772,974,338,099	1.38593E+22	141332.9	1.38593E+22
Sumut	1,005,741,979,560	1.32347E+22	397448.6	1.32347E+22
Sumbar	780,998,089,071	1.20345E+22	149216.0	1.20345E+22
Riau	917,594,606,700	7.2332E+20	186542.3	7.2332E+20
Jambi	755,545,109,777	1.82668E+22	86092.4	1.82668E+22
Sumsel	924,826,790,586	1.16464E+21	223559.6	1.16464E+21
Babel	650,404,789,090	5.77418E+22	32930.9	5.77418E+22
Bengkulu	661,912,746,890	5.23436E+22	50839.0	5.23436E+22
Lampung	791,211,806,808	9.8979E+21	232085.4	9.8979E+21
Dki	2,645,744,913,500	3.08018E+24	288006.1	3.08018E+24
Jabar	1,194,194,861,511	9.21091E+22	1271265.5	9.21091E+22
Banten	881,474,638,991	8.51073E+19	299977.6	8.51073E+19
Jateng	1,020,593,444,069	1.68723E+22	1072512.0	1.68723E+22
Diy	690,209,105,970	4.01966E+22	107047.5	4.01966E+22
Jatim	1,193,390,655,905	9.16216E+22	1208998.0	9.16216E+22
Kalbar	977,649,206,461	7.56016E+21	132302.3	7.56016E+21
Kalteng	938,879,970,960	2.32131E+21	61959.2	2.32131E+21
Kalsel	742,093,658,035	2.20838E+22	106255.0	2.20838E+22
Kaltim	1,021,520,145,343	1.71139E+22	90667.8	1.71139E+22
Sulut	655,632,051,487	5.52569E+22	71184.0	5.52569E+22
Gorontalo	630,941,206,226	6.74746E+22	29504.0	6.74746E+22
Sulteng	769,828,553,935	1.46099E+22	78622.8	1.46099E+22
Sulsel	876,501,992,932	2.01583E+20	275089.3	2.01583E+20
Sultengg	711,146,783,157	3.22394E+22	62911.7	3.22394E+22
Bali	662,960,458,282	5.18653E+22	112094.4	5.18653E+22
Ntb	702,891,536,335	3.5272E+22	134161.9	3.5272E+22
Ntt	759,513,269,074	1.721E+22	136463.6	1.721E+22
Maluku	715,706,620,495	3.06227E+22	40802.9	3.06227E+22
Malut	674,527,047,018	4.67307E+22	28602.0	4.67307E+22
Papua	994,389,623,734	1.07515E+22	81775.4	1.07515E+22
			Williamson Index (IW)	2.22

Sumber: Hasil perhitungan

Tabel 2.5.6. Perhitungan Williamson Index untuk Metode ESNA

Provinsi	Nilai Bagi hasil Metode ESNA	$\sum(Y_i - \bar{Y})^2$	$\left(\frac{f_i}{N}\right)$	$\sum(Y_i - \bar{Y})^2 + \left(\frac{f_i}{N}\right)$
Aceh	1,262,039,782,483	1.37893E+23	141332.9	1.37893E+23
Sumut	825,367,057,998	4.26839E+21	397448.6	4.26839E+21
Sumbar	819,531,781,750	5.06492E+21	149216.0	5.06492E+21
Riau	602,753,037,269	8.29135E+22	186542.3	8.29135E+22
Jambi	820,683,509,485	4.90231E+21	86092.4	4.90231E+21
Sumsel	719,406,814,186	2.93414E+22	223559.6	2.93414E+22
Babel	803,173,950,501	7.66081E+21	32930.9	7.66081E+21
Bengkulu	798,075,685,998	8.57926E+21	50839.0	8.57926E+21
Lampung	1,475,872,271,725	3.42427E+23	232085.4	3.42427E+23
Dki	2,703,052,214,033	3.28462E+24	288006.1	3.28462E+24
Jabar	900,515,793,019	9.63498E+19	1271265.5	9.63498E+19
Banten	886,523,487,060	1.74433E+19	299977.6	1.74433E+19
Jateng	772,777,656,456	1.39057E+22	1072512.0	1.39057E+22
Diy	825,784,898,443	4.21397E+21	107047.5	4.21397E+21
Jatim	960,542,059,706	4.87791E+21	1208998.0	4.87791E+21
Kalbar	707,274,662,931	3.36449E+22	132302.3	3.36449E+22
Kalteng	708,558,864,695	3.31754E+22	61959.2	3.31754E+22
Kalsel	809,813,734,960	6.54259E+21	106255.0	6.54259E+21
Kaltim	1,107,832,210,474	4.71464E+22	90667.8	4.71464E+22
Sulut	532,974,661,032	1.27967E+23	71184.0	1.27967E+23
Gorontalo	663,212,444,191	5.17506E+22	29504.0	5.17506E+22
Sulteng	906,896,574,323	2.62329E+20	78622.8	2.62329E+20
Sulsel	891,277,717,442	3.33757E+17	275089.3	3.33757E+17
Sultengg	790,889,485,336	9.96214E+21	62911.7	9.96214E+21
Bali	955,036,518,318	4.13919E+21	112094.4	4.13919E+21
Ntb	775,121,035,406	1.33585E+22	134161.9	1.33585E+22
Ntt	742,269,182,448	2.20317E+22	136463.6	2.20317E+22
Maluku	722,134,821,981	2.84142E+22	40802.9	2.84142E+22
Malut	714,827,631,830	3.09311E+22	28602.0	3.09311E+22
Papua	516,780,454,523	1.39816E+23	81775.4	1.39816E+23
			Williamson Index (IW)	2.38

Sumber: Hasil perhitungan

Tabel 2.5.7. Perhitungan Koefisien Variasi untuk Metode ERA

Provinsi	Nilai Bagi hasil Metode ERA	$\sum_{i=1}^N (Y_i - \bar{Y})^2$
Aceh	617,713,449,868	0.07
Sumut	1,179,134,376,757	0.08
Sumbar	834,021,316,471	0.00
Riau	987,178,145,322	0.01
Jambi	532,469,870,678	0.13
Sumsel	875,745,576,376	0.00
Babel	477,354,396,627	0.17
Bengkulu	466,898,686,248	0.18
Lampung	668,652,237,742	0.05
Dki	3,926,579,960,082	9.22
Jabar	2,174,418,912,789	1.65
Banten	984,019,885,802	0.01
Jateng	1,541,012,906,638	0.42
Diy	559,230,180,432	0.11
Jatim	2,750,670,514,962	3.46
Kalbar	585,472,051,264	0.09
Kalteng	530,438,134,139	0.13
Kalsel	567,289,862,184	0.10
Kaltim	812,066,832,401	0.01
Sulut	487,999,478,546	0.16
Gorontalo	422,123,594,134	0.22
Sulteng	495,549,254,405	0.16
Sulsel	722,604,166,563	0.03
Sultengg	475,643,594,093	0.17
Bali	573,039,370,891	0.10
Ntb	496,779,983,454	0.16
Ntt	496,367,658,070	0.16
Maluku	444,900,635,546	0.20
maluku utara	426,242,185,458	0.22
Papua	609,382,782,059	0.08
	Koefisien Variasi	0.86

Sumber: Hasil perhitungan

Tabel 2.5.8. Perhitungan Koefisien Variasi untuk Metode ENA

Provinsi	Nilai Bagi hasil Metode ENA	$\sum_{i=1}^N (Y_i - \bar{Y})^2$
Aceh	772,974,338,099	0.01
Sumut	1,005,741,979,560	0.01
Sumbar	780,998,089,071	0.01
Riau	917,594,606,700	0.00
Jambi	755,545,109,777	0.02
Sumsel	924,826,790,586	0.00
Babel	650,404,789,090	0.06
Bengkulu	661,912,746,890	0.05
Lampung	791,211,806,808	0.01
Dki	2,645,744,913,500	3.08
Jabar	1,194,194,861,511	0.09
Banten	881,474,638,991	0.00
Jateng	1,020,593,444,069	0.02
Diy	690,209,105,970	0.04
Jatim	1,193,390,655,905	0.09
Kalbar	977,649,206,461	0.01
Kalteng	938,879,970,960	0.00
Kalsel	742,093,658,035	0.02
Kaltim	1,021,520,145,343	0.02
Sulut	655,632,051,487	0.06
Gorontalo	630,941,206,226	0.07
Sulteng	769,828,553,935	0.01
Sulsel	876,501,992,932	0.00
Sultengg	711,146,783,157	0.03
Bali	662,960,458,282	0.05
Ntb	702,891,536,335	0.04
Ntt	759,513,269,074	0.02
Maluku	715,706,620,495	0.03
maluku utara	674,527,047,018	0.05
Papua	994,389,623,734	0.01
	Koefisien Variasi	0.41

Sumber: Hasil perhitungan

Tabel 2.5.9. Perhitungan Koefisien Variasi untuk Metode ESNA

Provinsi	Nilai Bagi hasil Metode ESNA	$\sum_{i=1}^N (Y_i - \bar{Y})^2$
Aceh	1,262,039,782,483	0.14
Sumut	825,367,057,998	0.00
Sumbar	819,531,781,750	0.01
Riau	602,753,037,269	0.08
Jambi	820,683,509,485	0.00
Sumsel	719,406,814,186	0.03
Babel	803,173,950,501	0.01
Bengkulu	798,075,685,998	0.01
Lampung	1,475,872,271,725	0.34
Dki	2,703,052,214,033	3.28
Jabar	900,515,793,019	0.00
Banten	886,523,487,060	0.00
Jateng	772,777,656,456	0.01
Diy	825,784,898,443	0.00
Jatim	960,542,059,706	0.00
Kalbar	707,274,662,931	0.03
Kalteng	708,558,864,695	0.03
Kalsel	809,813,734,960	0.01
Kaltim	1,107,832,210,474	0.05
Sulut	532,974,661,032	0.13
Gorontalo	663,212,444,191	0.05
Sulteng	906,896,574,323	0.00
Sulsel	891,277,717,442	0.00
Sultengg	790,889,485,336	0.01
Bali	955,036,518,318	0.00
Ntb	775,121,035,406	0.01
Ntt	742,269,182,448	0.02
Maluku	722,134,821,981	0.03
maluku utara	714,827,631,830	0.03
Papua	516,780,454,523	0.14
	Koefisien Variasi	0.43

Sumber: Hasil perhitungan

Tabel 2.6. Pengelompokan Provinsi Berdasarkan Metode *Quantiles*

Ranking	Provinsi	Total penerimaan	persen
1	Dki	11,546,326,320,000	
2	Jabar	4,044,464,690,000	
3	Jatim	3,953,714,570,000	
4	Jateng	2,883,599,220,000	
5	Papua	2,552,088,180,000	
6	Kaltim	2,532,616,290,000	
Kelompok I	Total	27,512,809,270,000	59.47
7	Aceh	2,257,969,320,000	
8	Riau	2,119,999,300,000	
9	Sumut	1,664,099,170,000	
10	Banten	1,345,967,020,000	
11	Sumsel	1,088,254,840,000	
12	Sulsel	1,025,052,370,000	
Kelompok II	Total	9,501,342,020,000	20.54
13	Lampung	822,725,450,000	
14	Bali	806,566,460,000	
15	Kalbar	688,228,962,000	
16	Sumbar	683,907,620,000	
17	Kalsel	667,974,370,000	
18	Diy	645,623,550,000	
Kelompok III	Total	4,315,026,412,000	9.33
19	Jambi	630,144,010,000	
20	Kalteng	550,928,110,000	
21	Ntb	472,286,950,000	
22	Ntt	467,637,910,000	
23	Sulteng	413,605,240,000	
24	Sulut	413,514,920,000	
Kelompok IV	Total	2,948,117,140,000	6.37
25	Maluku	403,566,200,000	
26	Sultengg	381,326,310,000	
27	Bengkulu	341,759,490,000	
28	Babel	327,658,230,000	
29	Malut	275,590,000,000	
30	Gorontalo	256,131,280,000	
Kelompok V	Total	1,986,031,510,000	4.29
Total Jumlah		46,263,326,352,000	100%

Sumber: Hasil perhitungan

Tabel 2.7. Total Penerimaan Akhir Provinsi Setelah Bagi Hasil

Provinsi	ERA	ENA	ESNA
Aceh	2,875,682,769,868	3,030,943,658,099	3,520,009,102,483
Sumut	2,843,233,546,757	2,669,841,149,560	2,489,466,227,998
Sumbar	1,517,928,936,471	1,464,905,709,071	1,503,439,401,750
Riau	3,107,177,445,322	3,037,593,906,700	2,722,752,337,269
Jambi	1,162,613,880,678	1,385,689,119,777	1,450,827,519,485
Sumsel	1,964,000,416,376	2,013,081,630,586	1,807,661,654,186
Babel	805,012,626,627	978,063,019,090	1,130,832,180,501
Bengkulu	808,658,176,248	1,003,672,236,890	1,139,835,175,998
Lampung	1,491,377,687,742	1,613,937,256,808	2,298,597,721,725
Dki	15,472,906,280,082	14,192,071,233,500	14,249,378,534,033
Jabar	6,218,883,602,789	5,238,659,551,511	4,944,980,483,019
Banten	2,329,986,905,802	2,227,441,658,991	2,232,490,507,060
Jateng	4,424,612,126,638	3,904,192,664,069	3,656,376,876,456
Diy	1,204,853,730,432	1,335,832,655,970	1,471,408,448,443
Jatim	6,704,385,084,962	5,147,105,225,905	4,914,256,629,706
Kalbar	1,273,701,013,264	1,665,878,168,461	1,395,503,624,931
Kalteng	1,081,366,244,139	1,489,808,080,960	1,259,486,974,695
Kalsel	1,235,264,232,184	1,410,068,028,035	1,477,788,104,960
Kaltim	3,344,683,122,401	3,554,136,435,343	3,640,448,500,474
Sulut	901,514,398,546	1,069,146,971,487	946,489,581,032
Gorontalo	678,254,874,134	887,072,486,226	919,343,724,191
Sulteng	909,154,494,405	1,183,433,793,935	1,320,501,814,323
Sulsel	1,747,656,536,563	1,901,554,362,932	1,916,330,087,442
Sultengg	856,969,904,093	1,092,473,093,157	1,172,215,795,336
Bali	1,379,605,830,891	1,469,526,918,282	1,761,602,978,318
Ntb	969,066,933,454	1,175,178,486,335	1,247,407,985,406
Ntt	964,005,568,070	1,227,151,179,074	1,209,907,092,448
Maluku	848,466,835,546	1,119,272,820,495	1,125,701,021,981
Malut	701,832,185,458	950,117,047,018	990,417,631,830
Papua	3,161,470,962,059	3,546,477,803,734	3,068,868,634,523
Total	72,984,326,352,000	72,984,326,352,000	72,984,326,352,000

Sumber: Hasil perhitungan

Tabel 2.8. Perbandingan Ranking Penerimaan Provinsi Sebelum dan Setelah Bagi Hasil

Tabel 2.8.1. Perbandingan Ranking Penerimaan Provinsi Sebelum dan Setelah Bagi Hasil dengan Metode ERA

Ranking	Sebelum	Setelah	Total penerimaan awal	Total penerimaan akhir
1	Dki	Dki	2,257,969,320,000	15,472,906,280,082
2	Jabar	Jatim	1,664,099,170,000	6,704,385,084,962
3	Jatim	Jabar	683,907,620,000	6,218,883,602,789
4	Jateng	Jateng	2,119,999,300,000	4,424,612,126,638
5	Papua	Kaltim	630,144,010,000	3,344,683,122,401
6	Kaltim	Papua	1,088,254,840,000	3,161,470,962,059
7	Aceh	Riau	327,658,230,000	3,107,177,445,322
8	Riau	Aceh	341,759,490,000	2,875,682,769,868
9	Sumut	Sumut	822,725,450,000	2,843,233,546,757
10	Banten	Banten	11,546,326,320,000	2,329,986,905,802
11	Sumsel	Sumsel	4,044,464,690,000	1,964,000,416,376
12	Sulsel	Sulsel	1,345,967,020,000	1,747,656,536,563
13	Lampung	Sumbar	2,883,599,220,000	1,517,928,936,471
14	Bali	Lampung	645,623,550,000	1,491,377,687,742
15	Kalbar	Bali	3,953,714,570,000	1,379,605,830,891
16	Sumbar	Kalbar	688,228,962,000	1,273,701,013,264
17	Kalsel	Kalsel	550,928,110,000	1,235,264,232,184
18	Diy	Diy	667,974,370,000	1,204,853,730,432
19	Jambi	Jambi	2,532,616,290,000	1,162,613,880,678
20	Kalteng	Kalteng	413,514,920,000	1,081,366,244,139
21	Ntb	Ntb	256,131,280,000	969,066,933,454
22	Ntt	Ntt	413,605,240,000	964,005,568,070
23	Sulteng	Sulteng	1,025,052,370,000	909,154,494,405
24	Sulut	Sulut	381,326,310,000	901,514,398,546
25	Maluku	Sultengg	806,566,460,000	856,969,904,093
26	Sultengg	Maluku	472,286,950,000	848,466,835,546
27	Bengkulu	Bengkulu	467,637,910,000	808,658,176,248
28	Babel	Babel	403,566,200,000	805,012,626,627
29	Malut	Malut	275,590,000,000	701,832,185,458
30	Gorontalo	Gorontalo	2,552,088,180,000	678,254,874,134
Total			46,263,326,352,000	72,984,326,352,000

Sumber: Hasil perhitungan

Tabel 2.8.2. Perbandingan Ranking Penerimaan Provinsi Sebelum dan Setelah Bagi Hasil dengan Metode ENA

Ranking	Sebelum	Setelah	Total penerimaan awal	Total penerimaan akhir
1	Dki	Dki	2,257,969,320,000	14,192,071,233,500
2	Jabar	Jabar	1,664,099,170,000	5,238,659,551,511
3	Jatim	Jatim	683,907,620,000	5,147,105,225,905
4	Jateng	Jateng	2,119,999,300,000	3,904,192,664,069
5	Papua	Kaltim	630,144,010,000	3,554,136,435,343
6	Kaltim	Papua	1,088,254,840,000	3,546,477,803,734
7	Aceh	Riau	327,658,230,000	3,037,593,906,700
8	Riau	Aceh	341,759,490,000	3,030,943,658,099
9	Sumut	Sumut	822,725,450,000	2,669,841,149,560
10	Banten	Banten	11,546,326,320,000	2,227,441,658,991
11	Sumsel	Sumsel	4,044,464,690,000	2,013,081,630,586
12	Sulsel	Sulsel	1,345,967,020,000	1,901,554,362,932
13	Lampung	Kalbar	2,883,599,220,000	1,665,878,168,461
14	Bali	Lampung	645,623,550,000	1,613,937,256,808
15	Kalbar	Kalteng	3,953,714,570,000	1,489,808,080,960
16	Sumbar	Bali	688,228,962,000	1,469,526,918,282
17	Kalsel	Sumbar	550,928,110,000	1,464,905,709,071
18	Diy	Kalsel	667,974,370,000	1,410,068,028,035
19	Jambi	Jambi	2,532,616,290,000	1,385,689,119,777
20	Kalteng	Diy	413,514,920,000	1,335,832,655,970
21	Ntb	Ntt	256,131,280,000	1,227,151,179,074
22	Ntt	Sulteng	413,605,240,000	1,183,433,793,935
23	Sulteng	Ntb	1,025,052,370,000	1,175,178,486,335
24	Sulut	Maluku	381,326,310,000	1,119,272,820,495
25	Maluku	Sultengg	806,566,460,000	1,092,473,093,157
26	Sultengg	Sulut	472,286,950,000	1,069,146,971,487
27	Bengkulu	Bengkulu	467,637,910,000	1,003,672,236,890
28	Babel	Babel	403,566,200,000	978,063,019,090
29	Malut	Malut	275,590,000,000	950,117,047,018
30	Gorontalo	Gorontalo	2,552,088,180,000	887,072,486,226
Total			46,263,326,352,000	72,984,326,352,000

Sumber: Hasil perhitungan

Tabel 2.8.3. Perbandingan Ranking Penerimaan Provinsi Sebelum dan Setelah Bagi Hasil dengan Metode ESNA

Ranking	Sebelum	Setelah	Total penerimaan awal	Total penerimaan akhir
1	Dki	Dki	2,257,969,320,000	14,249,378,534,033
2	Jabar	Jabar	1,664,099,170,000	4,944,980,483,019
3	Jatim	Jatim	683,907,620,000	4,914,256,629,706
4	Jateng	Jateng	2,119,999,300,000	3,656,376,876,456
5	Papua	Kaltim	630,144,010,000	3,640,448,500,474
6	Kaltim	Aceh	1,088,254,840,000	3,520,009,102,483
7	Aceh	Papua	327,658,230,000	3,068,868,634,523
8	Riau	Riau	341,759,490,000	2,722,752,337,269
9	Sumut	Sumut	822,725,450,000	2,489,466,227,998
10	Banten	Lampung	11,546,326,320,000	2,298,597,721,725
11	Sumsel	Banten	4,044,464,690,000	2,232,490,507,060
12	Sulsel	Sulsel	1,345,967,020,000	1,916,330,087,442
13	Lampung	Sumsel	2,883,599,220,000	1,807,661,654,186
14	Bali	Bali	645,623,550,000	1,761,602,978,318
15	Kalbar	Sumbar	3,953,714,570,000	1,503,439,401,750
16	Sumbar	Kalsel	688,228,962,000	1,477,788,104,960
17	Kalsel	Diy	550,928,110,000	1,471,408,448,443
18	Diy	Jambi	667,974,370,000	1,450,827,519,485
19	Jambi	Kalbar	2,532,616,290,000	1,395,503,624,931
20	Kalteng	Sulteng	413,514,920,000	1,320,501,814,323
21	Ntb	Kalteng	256,131,280,000	1,259,486,974,695
22	Ntt	Ntb	413,605,240,000	1,247,407,985,406
23	Sulteng	Ntt	1,025,052,370,000	1,209,907,092,448
24	Sulut	Sultengg	381,326,310,000	1,172,215,795,336
25	Maluku	Bengkulu	806,566,460,000	1,139,835,175,998
26	Sultengg	Babel	472,286,950,000	1,130,832,180,501
27	Bengkulu	Maluku	467,637,910,000	1,125,701,021,981
28	Babel	Malut	403,566,200,000	990,417,631,830
29	Malut	Sulut	275,590,000,000	946,489,581,032
30	Gorontalo	Gorontalo	2,552,088,180,000	919,343,724,191
Total			46,263,326,352,000	72,984,326,352,000

Sumber: Hasil perhitungan