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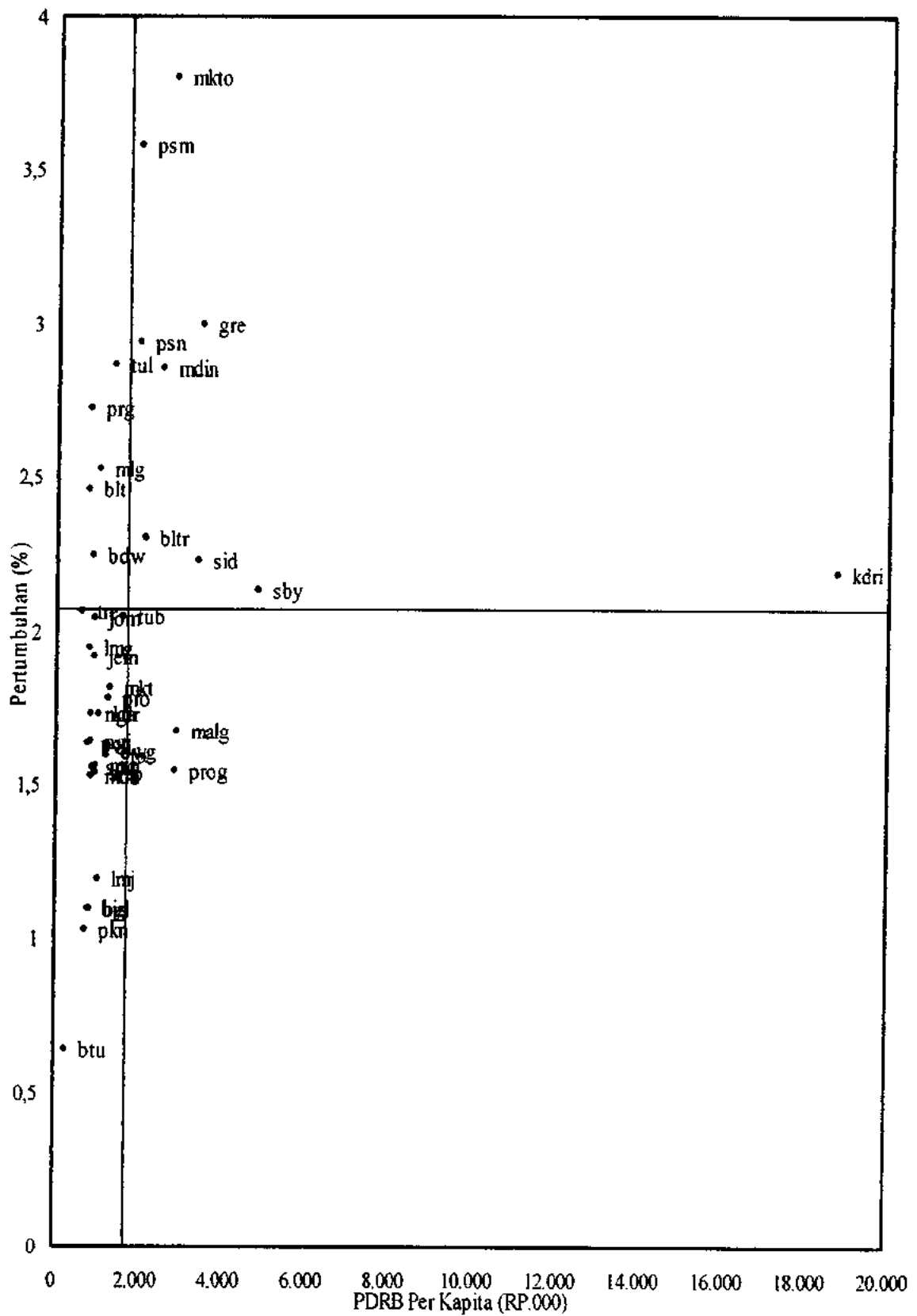
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# LAMPIRAN

Rata-Rata PDRB Per Kapita (Rupiah) dan Pertumbuhan (%)  
Kabupaten/Kota di Propinsi Jawa Timur  
1995-2002

No.	Kabupaten/Kota	Simbol	Rata-Rata PDRB Per Kapita (Rupiah)	Rata-Rata Pertumbuhan (%)
1	2	3	4	5
1	Pacitan	pct	756.711,12	1,64
2	Ponorogo	prg	780.792,03	2,73
3	Trenggalek	tre	616.288,54	2,06
4	Tulungagung	tul	1.338.136,46	2,87
5	Blitar	blt	741.814,15	2,46
6	Kediri	kdr	1.016.957,40	1,73
7	Malang	mlg	1.011.233,52	2,53
8	Lumajang	lmj	1.000.939,15	1,19
9	Jember	jem	886.901,47	1,92
10	Banyuwangi	bwg	1.200.220,27	1,61
11	Bondowoso	bdw	884.150,61	2,24
12	Situbondo	stb	1.211.747,11	1,60
13	Probolinggo	pro	1.252.130,67	1,78
14	Pasuruan	psn	1.947.502,80	2,94
15	Sidoarjo	sid	3.371.436,80	2,23
16	Mojokerto	mkt	1.298.757,26	1,82
17	Jombang	jom	902.342,64	2,04
18	Nganjuk	ngj	814.878,32	1,64
19	Madiun	mdn	821.713,53	1,53
20	Magetan	mtn	958.812,90	1,56
21	Ngawi	nga	834.079,14	1,73
22	Bojonegoro	bjg	773.700,56	1,10
23	Tuban	tub	1.569.123,91	2,05
24	Lamongan	lmg	790.602,52	1,94
25	Gresik	gre	3.464.998,65	3,00
26	Bangkalan	bgi	819.754,62	1,10
27	Sampang	spg	851.215,80	1,56
28	Pamekasan	pkn	731.732,40	1,03
29	Sumenep	smp	923.164,41	1,54
30	Kediri*	kdri	18.766.778,37	2,19
31	Blitar*	bltr	2.117.933,33	2,30
32	Malang*	malg	2.908.342,26	1,67
33	Probolinggo*	prog	2.854.769,80	1,55
34	Pasuruan*	psrn	1.962.146,74	3,58
35	Mojokerto*	mkto	2.788.998,74	3,80
36	Madiun*	mdin	2.513.141,31	2,86
37	Surabaya*	sby	4.828.523,49	2,13
38	Batu *	btu	275.035,66	0,64
	Propinsi Jawa Timur		1.686.261,42	2,07

Pola dan Struktur Perekonomian Propinsi Jawa Timur  
Menurut Tipologi Daerah, 1995 -2002



### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	1995					
		$v_i$	$v_i - \bar{v}$	$(v_i - \bar{v})^2$	$f_i$	$f_i/n$	$(v_i - \bar{v})^2 \times f_i/n$
1	Pacitan	741.676,37	-1.172.779,08	1.375.410.772.387,45	526.766	0,0161	22.186.993.743,42
2	Ponorogo	731.090,91	-1.183.364,54	1.400.351.636.448,38	870.371	0,0267	37.324.140.812,19
3	Trenggalek	592.887,33	-1.321.568,12	1.746.542.297.943,42	647.486	0,0198	34.630.422.818,32
4	Tulungagung	1.289.517,87	-624.937,58	390.546.979.909,67	926.878	0,0284	11.085.216.039,72
5	Blitar	693.145,38	-1.221.310,07	1.491.598.289.063,91	1.066.459	0,0327	48.712.940.257,32
6	Kediri	1.013.898,91	-900.556,54	811.002.083.197,13	1.321.763	0,0405	32.826.445.864,33
7	Malang	991.670,15	-922.785,30	851.532.711.392,50	2.257.221	0,0691	58.860.469.465,97
8	Lumajang	1.022.459,05	-891.996,40	795.657.579.059,44	927.362	0,0284	22.595.596.138,32
9	Jember	885.603,88	-1.028.851,57	1.058.535.554.759,87	2.049.422	0,0628	66.433.196.211,74
10	Banyuwangi	1.190.033,47	-724.421,98	524.787.206.281,86	1.448.904	0,0444	23.284.727.188,39
11	Bondowoso	857.551,62	-1.056.903,83	1.117.045.707.582,57	568.606	0,0174	19.430.496.235,82
12	Simubondo	1.206.053,70	-708.401,75	501.833.040.551,82	573.639	0,0176	8.815.485.298,14
13	Probolinggo	1.255.767,97	-658.687,48	433.869.197.376,89	894.886	0,0274	11.889.807.845,75
14	Pasuruan	1.941.147,57	26.692,12	712.469.226,81	1.189.981	0,0364	25.962.974,20
15	Sidoarjo	3.746.086,36	1.831.630,91	3.354.871.787.497,22	1.122.262	0,0344	115.297.127.916,52
16	Mojokerto	1.362.296,54	-552.158,91	304.879.462.787,78	833.651	0,0255	7.783.245.866,25
17	Jombang	900.321,87	-1.014.133,58	1.028.466.919.728,16	1.078.855	0,0330	33.978.304.944,40
18	Nganjuk	811.417,46	-1.103.037,99	1.216.692.809.171,95	963.162	0,0295	35.886.291.858,45
19	Madiun	804.435,62	-1.110.019,83	1.232.144.024.793,26	646.406	0,0198	24.390.188.564,45
20	Magetan	944.452,85	-970.002,60	940.905.045.579,74	672.989	0,0206	19.591.083.070,47
21	Ngawi	814.980,75	-1.099.474,70	1.208.844.617.723,02	839.762	0,0257	31.086.727.293,60
22	Bojonegoro	783.691,53	-1.130.765,92	1.278.627.044.607,44	1.132.263	0,0347	44.334.264.245,43
23	Taban	1.631.464,63	-282.990,82	80.083.804.663,18	980.971	0,0300	2.405.742.663,32
24	Lamongan	775.903,11	-1.138.552,34	1.296.301.432.765,78	1.173.273	0,0359	46.575.055.522,65
25	Gresik	3.494.959,56	1.580.504,11	2.497.993.239.163,91	882.669	0,0270	67.520.777.791,52
26	Bangkalan	827.891,43	-1.086.564,02	1.180.621.371.320,56	721.558	0,0221	26.087.363.535,61
27	Sampang	849.669,33	-1.064.786,12	1.133.769.483.071,33	705.030	0,0216	24.478.266.802,37
28	Pamekasan	752.030,07	-1.162.425,38	1.351.232.765.953,16	636.855	0,0195	26.352.330.851,60
29	Sumenep	866.600,88	-1.047.854,57	1.097.999.201.569,11	925.287	0,0283	31.111.918.215,36
30	Kediri*	17.163.499,55	15.249.044,10	232.533.345.939.017,00	234.445	0,0072	1.669.454.239.812,66
31	Blitar*	2.046.607,98	132.152,53	17.464.290.971,10	119.755	0,0037	64.046.133,65
32	Malang*	3.017.632,64	1.103.177,19	1.216.999.910.747,36	711.673	0,0218	26.522.798.117,86
33	Probolinggo*	2.956.464,73	1.042.009,28	1.085.783.337.916,37	179.222	0,0055	5.959.129.124,47
34	Pasuruan*	1.898.431,85	-16.023,60	256.755.782,94	148.818	0,0046	1.170.102,75
35	Mojokerto*	2.676.747,64	762.292,19	581.089.381.698,85	104.158	0,0032	1.853.462.806,50
36	Madiun*	2.410.706,02	496.250,57	246.264.627.420,60	183.315	0,0056	1.382.446.529,66
37	Surabaya*	4.886.055,10	2.971.599,65	8.830.404.475.061,31	2.329.598	0,0713	629.955.519.246,99
38	Batu*		-1.914.455,45	3.665.139.673.139,22		0,0000	0,00
	Propinsi Jawa Timur	1.914.455,45			32.653.151		3.269.993.401.910,36
		y			n		

### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	1996					
		$v_i$	$v_i - \bar{v}$	$(v_i - \bar{v})^2$	$f_i$	$f_i/n$	$(v_i - \bar{v})^2 \times f_i/n$
1	Pacitan	780.257,24	-1.271.386,39	1.616.423.347.179,34	527.681	0,0139	25.776.897.491,22
2	Ponorogo	766.142,61	-1.285.501,02	1.652.512.866.862,12	875.733	0,0265	43.734.144.739,23
3	Trenggalek	620.585,86	-1.431.057,77	2.047.926.334.889,01	652.433	0,0197	40.378.885.061,93
4	Tulungagung	1.407.147,65	-644.495,98	415.375.065.449,15	936.432	0,0283	11.754.948.794,36
5	Blitar	758.295,32	-1.293.348,31	1.672.749.845.387,00	1.081.833	0,0327	54.688.409.898,54
6	Kediri	1.062.555,87	-989.087,76	978.294.592.704,68	1.330.106	0,0402	39.324.207.442,53
7	Malang	1.058.646,79	-992.996,84	986.042.719.955,94	2.319.547	0,0701	69.119.880.828,59
8	Lumajang	1.077.164,40	-974.479,23	949.609.765.487,43	929.153	0,0281	26.664.686.278,99
9	Jember	939.818,19	-1.111.825,44	1.236.155.804.223,30	2.075.103	0,0627	77.520.567.516,70
10	Banyuwangi	1.273.905,63	-777.738,00	604.876.393.280,81	1.445.357	0,0437	26.420.792.387,24
11	Bondowoso	908.832,27	-1.142.811,36	1.306.017.799.603,16	661.373	0,0200	26.103.553.363,69
12	Situbondo	1.252.450,03	-799.193,60	638.710.406.824,99	579.890	0,0175	11.193.185.076,39
13	Probolinggo	1.327.340,42	-724.303,21	524.615.136.884,18	914.909	0,0276	14.505.168.890,98
14	Pasuruan	2.121.167,04	69.523,41	4.833.504.838,67	1.176.240	0,0355	171.815.434,50
15	Sidoarjo	3.933.380,18	1.881.736,55	3.540.932.451.743,14	1.142.413	0,0345	122.248.869.414,35
16	Mojokerto	1.427.287,70	-624.355,93	389.820.324.626,25	847.949	0,0256	9.989.374.244,98
17	Jombang	959.280,38	-1.092.363,25	1.193.257.465.226,83	1.098.115	0,0332	39.599.167.596,68
18	Nganjuk	863.386,88	-1.188.256,75	1.411.954.098.782,15	996.981	0,0301	42.541.376.005,02
19	Madiun	857.460,58	-1.194.183,05	1.426.073.151.743,27	648.104	0,0196	27.931.263.268,00
20	Magetan	989.449,71	-1.062.193,92	1.128.255.919.091,69	672.144	0,0203	22.917.857.758,38
21	Ngawi	861.451,14	-1.190.192,49	1.416.558.158.105,62	843.410	0,0255	36.105.821.302,52
22	Bojonegoro	812.237,80	-1.239.405,83	1.536.126.806.078,40	1.163.283	0,0352	54.002.830.327,48
23	Tuban	1.743.087,89	-308.555,74	95.206.643.352,65	990.245	0,0299	2.849.141.278,08
24	Lamongan	806.088,71	-1.245.554,92	1.551.407.053.350,02	1.180.849	0,0357	55.363.584.491,11
25	Gresik	3.831.371,41	1.779.727,78	3.167.430.978.599,85	910.365	0,0275	87.141.851.916,34
26	Bangkalan	867.742,25	-1.183.901,38	1.401.622.472.446,33	725.653	0,0219	30.737.187.040,74
27	Sampang	881.540,31	-1.170.103,32	1.369.141.774.415,11	706.578	0,0214	29.235.640.004,95
28	Pamekasan	778.841,61	-1.272.802,02	1.620.024.976.612,07	662.921	0,0200	32.455.444.384,08
29	Sumenep	933.276,04	-1.118.367,59	1.250.746.061.526,22	952.868	0,0288	36.016.869.242,49
30	Kediri*	18.574.424,91	16.522.781,28	273.002.301.298.168,00	235.136	0,0071	1.939.945.399.654,03
31	Blitar*	2.188.291,25	136.647,62	18.672.572.642,57	120.056	0,0036	67.747.316,92
32	Malang*	3.238.015,74	1.186.372,11	1.407.478.788.516,11	707.790	0,0214	30.105.812.586,76
33	Probolinggo*	3.171.874,52	1.120.230,89	1.254.917.251.754,43	179.640	0,0054	6.812.746.180,75
34	Pasuruan*	2.023.534,92	-28.108,71	790.099.456,31	154.790	0,0047	3.695.972,54
35	Mojokerto*	2.905.727,98	854.084,35	729.460.080.608,26	105.401	0,0032	2.323.540.968,96
36	Madiun*	2.602.009,07	550.365,44	302.902.119.926,35	184.668	0,0056	1.690.433.268,97
37	Surabaya*	5.306.743,93	3.255.100,30	10.595.677.977.136,20	2.344.520	0,0709	750.735.176.125,92
38	Batu*		-2.051.643,63	4.209.241.575.647,60		0,0000	0,00
	Propinsi Jawa Timur	2.051.643,63			33.089.936		3.828.177.973.554,93
		$\bar{v}$			$n$		

### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	1997					
		$v_i$	$v_i - \bar{y}$	$(v_i - \bar{y})^2$	$f_i$	$f_i/n$	$(v_i - \bar{y})^2 \times f_i/n$
1	Pacitan	787.776,91	-1.339.691,61	1.794.773.618.394,28	531.991	0,0160	28.709.395.568,04
2	Ponorogo	777.870,72	-1.349.597,80	1.821.414.230.518,99	880.116	0,0265	48.201.297.454,00
3	Trenggalek	629.614,53	-1.497.853,99	2.243.566.585.074,73	555.590	0,0197	44.226.377.691,53
4	Tuhungagung	1.455.065,31	-672.403,21	452.126.081.179,84	941.803	0,0283	12.803.529.800,76
5	Blitar	764.103,82	-1.363.364,70	1.858.763.314.049,54	1.088.099	0,0327	60.813.862.849,62
6	Kediri	1.080.648,15	-1.046.820,37	1.095.832.893.837,12	1.330.106	0,0400	43.826.891.836,27
7	Malang	1.068.683,87	-1.058.784,65	1.121.024.941.943,41	2.333.015	0,0701	73.639.889.275,22
8	Lumajang	1.089.685,37	-1.037.783,15	1.076.993.873.155,49	931.075	0,0280	30.151.434.918,85
9	Jember	937.255,74	-1.190.212,78	1.416.606.469.395,63	2.078.701	0,0625	88.542.408.765,58
10	Banyuwangi	1.286.949,87	-840.518,65	706.471.606.449,84	1.452.176	0,0437	30.847.789.858,56
11	Bondowoso	921.480,47	-1.205.988,05	1.454.407.184.565,43	661.413	0,0199	28.924.697.435,83
12	Situbondo	1.274.901,57	-852.566,95	726.870.409.762,47	579.628	0,0174	12.668.244.390,95
13	Probolinggo	1.378.419,75	-749.048,77	561.074.064.697,21	922.680	0,0277	15.566.156.338,48
14	Pasuruan	2.145.741,56	18.273,04	333.903.872,31	1.183.798	0,0336	11.885.272,52
15	Sidoarjo	3.987.169,26	1.859.700,74	3.458.486.830.293,62	1.164.646	0,0330	121.112.830.075,81
16	Mojokerto	1.433.173,56	-694.294,96	482.043.495.984,94	859.290	0,0258	12.454.832.002,67
17	Jombang	974.629,83	-1.152.838,69	1.329.037.052.638,79	1.106.441	0,0333	44.215.591.201,52
18	Nganjuk	876.171,84	-1.251.296,68	1.565.743.389.495,54	1.000.747	0,0301	47.114.541.654,02
19	Madiun	884.387,84	-1.243.080,68	1.545.249.585.052,49	650.133	0,0195	30.207.232.158,32
20	Magetan	997.845,58	-1.129.622,94	1.276.047.993.901,53	674.367	0,0203	25.874.585.778,05
21	Ngawi	871.749,17	-1.255.719,35	1.576.831.094.109,63	845.703	0,0254	40.097.115.671,68
22	Bojonegoro	825.320,84	-1.302.147,68	1.695.588.588.975,75	1.167.628	0,0351	59.529.889.025,07
23	Tuban	1.723.134,05	-404.334,47	163.486.366.252,89	1.000.111	0,0301	4.916.316.477,42
24	Lamongan	815.443,76	-1.312.024,76	1.721.408.979.363,49	1.185.437	0,0356	61.358.202.621,15
25	Gresik	3.920.660,12	1.793.191,60	3.215.536.102.679,05	919.515	0,0276	88.904.203.435,44
26	Bangkalan	872.462,19	-1.255.006,33	1.575.040.896.480,65	732.123	0,0220	34.672.565.109,00
27	Sampang	873.419,21	-1.254.049,31	1.572.639.680.045,85	707.923	0,0213	33.475.366.362,72
28	Pamekasan	788.118,43	-1.339.350,09	1.793.858.672.270,68	664.527	0,0200	35.843.543.912,29
29	Sumenep	1.008.718,00	-1.118.750,52	1.251.602.733.257,03	954.215	0,0287	33.910.613.854,32
30	Kediri*	20.124.830,70	17.997.362,18	323.905.045.321.355,00	235.614	0,0071	2.294.715.726.532,91
31	Blitar*	2.288.643,82	161.175,30	25.977.476.284,63	120.671	0,0036	94.256.206,23
32	Malang*	3.339.851,71	1.212.383,19	1.469.872.991.530,47	714.329	0,0215	31.570.988.392,49
33	Probolinggo*	3.234.501,74	1.107.033,22	1.225.522.543.002,81	180.079	0,0054	6.635.817.928,64
34	Pasuruan*	2.081.545,95	-45.922,57	2.108.882.733,28	155.745	0,0047	9.875.898,80
35	Mojokerto*	2.940.332,22	812.863,70	660.747.389.505,06	106.135	0,0032	2.108.648.382,40
36	Madiun*	2.769.455,05	641.986,53	412.146.700.537,20	185.558	0,0056	2.299.543.329,15
37	Surabaya*	5.486.572,85	3.359.104,33	11.283.581.878.036,00	2.356.486	0,0709	799.506.383.140,41
38	Baru *		-2.127.468,52	4.526.122.317.390,78		0,0000	0,00
	Propinsi Jawa Timur	2.127.468,52			33.257.524		4.336.562.530.606,73
		$\bar{y}$			$n$		



### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	1998					
		$y_i$	$y_i - \bar{y}$	$(y_i - \bar{y})^2$	$\bar{y}$	$\bar{y}/n$	$(y_i - \bar{y})^2 \times \bar{y}/n$
1	Pacitan	726.630,70	-1.083.300,86	1.173.540.742.736,52	534.692	0,0160	18.760.248.437,78
2	Ponorogo	714.763,48	-1.095.166,08	1.199.388.732.126,90	884.439	0,0264	31.715.707.006,49
3	Trenggalek	574.540,41	-1.235.391,15	1.526.191.281.478,30	683.860	0,0204	31.204.188.829,58
4	Tulungagung	1.220.920,13	-589.011,43	346.934.458.939,72	947.790	0,0283	9.830.968.107,26
5	Blitar	687.497,88	-1.122.433,68	1.259.857.355.077,37	1.090.399	0,0326	41.071.782.114,43
6	Kediri	925.826,84	-884.104,72	781.641.147.324,18	1.340.299	0,0401	31.321.736.684,94
7	Malang	940.070,01	-869.861,55	756.659.107.704,89	2.345.567	0,0701	53.062.148.894,43
8	Lumajang	928.011,71	-881.919,85	777.782.613.243,18	934.478	0,0279	21.730.215.793,85
9	Jember	826.576,81	-983.354,75	966.986.554.779,79	2.083.068	0,0623	60.222.733.729,71
10	Banyuwangi	1.118.360,11	-691.571,45	478.271.063.726,30	1.431.787	0,0434	20.759.349.295,90
11	Bondowoso	838.741,58	-971.189,98	943.209.967.802,99	662.726	0,0198	18.688.701.092,26
12	Situbondo	1.136.974,32	-672.957,24	452.871.440.320,73	580.235	0,0173	7.856.255.291,80
13	Probolinggo	1.192.093,01	-617.838,35	381.724.467.854,70	943.261	0,0282	10.765.113.273,83
14	Pasuruan	1.825.806,44	15.874,88	252.011.969,47	1.197.362	0,0358	9.021.595,83
15	Sidoarjo	3.079.271,88	1.269.340,32	1.611.224.860.328,04	1.192.165	0,0356	57.428.734.837,43
16	Mojokerto	1.207.375,35	-602.556,21	363.073.980.346,86	866.684	0,0259	9.407.898.701,54
17	Jombang	843.541,09	-966.390,47	933.910.531.104,10	1.114.150	0,0333	31.108.972.314,79
18	Nganjuk	756.351,95	-1.033.579,61	1.110.029.984.356,71	1.004.193	0,0300	33.326.417.217,24
19	Madiun	767.436,77	-1.042.494,79	1.086.795.377.033,95	651.049	0,0195	21.154.276.943,00
20	Magetan	878.975,96	-930.955,60	866.678.320.113,41	675.376	0,0202	17.500.090.055,39
21	Ngawi	782.529,84	-1.027.401,72	1.055.554.284.262,62	848.093	0,0254	26.764.601.316,73
22	Bojonegoro	723.027,16	-1.086.904,40	1.181.361.164.164,07	1.170.947	0,0350	41.357.726.342,07
23	Tuban	1.307.990,21	-501.941,35	251.945.113.956,07	1.006.731	0,0301	7.583.413.496,46
24	Lamongan	734.731,69	-1.075.199,87	1.156.054.749.986,61	1.188.866	0,0355	41.091.125.469,21
25	Gresik	3.136.296,02	1.326.364,46	1.759.242.693.656,26	920.478	0,0275	48.414.549.625,77
26	Bangkalan	790.690,62	-1.019.240,94	1.038.852.083.855,15	733.778	0,0219	22.790.566.951,31
27	Sampang	792.681,57	-1.017.249,99	1.034.797.532.257,43	709.495	0,0212	21.950.350.060,83
28	Pamekasan	690.322,48	-1.119.609,08	1.253.524.481.124,95	666.675	0,0199	24.985.251.005,65
29	Sumenep	958.308,39	-851.623,17	725.262.015.394,79	956.091	0,0286	20.731.507.810,93
30	Kediri*	17.996.296,37	16.186.364,81	261.998.405.919.895,00	236.307	0,0071	1.851.023.629.222,56
31	Blitar*	1.913.319,49	103.387,93	10.689.065.075,62	121.087	0,0036	38.696.703,30
32	Malang*	2.562.524,37	752.592,81	566.395.944.986,22	710.576	0,0212	12.032.819.373,32
33	Probolinggo*	2.596.520,02	786.588,46	618.721.413.058,46	180.569	0,0054	3.340.219.957,88
34	Pasuruan*	1.812.506,11	2.574,55	6.628.332,75	156.561	0,0047	31.025,92
35	Mojokerto*	2.537.298,95	727.367,39	529.063.327.112,50	107.123	0,0032	1.694.443.579,45
36	Madiun*	2.259.251,15	449.319,59	201.888.098.329,53	186.331	0,0056	1.124.689.288,90
37	Surabaya*	4.183.404,67	2.373.473,11	5.633.374.626.986,32	2.373.082	0,0709	399.683.235.581,58
38	Batu *		-1.809.931,56	3.275.852.234.273,89		0,0000	0,00
	Propinsi Jawa Timur	1.809.931,56			33.447.470		3.051.533.436.939,33
		$\Sigma$			$n$		

### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	1999					
		vi	vi-v	(vi-v) <sup>2</sup>	ii	fi/n	(vi-v) <sup>2</sup> X fi/n
1	Pecitan	738.290,95	-1.071.568,16	1.148.258.326.738,82	530.326	0,0158	18.094.188.456,47
2	Ponorogo	734.769,85	+1.075.089,26	1.155.816.922.197,51	889.417	0,0264	30.545.768.857,92
3	Trenggalek	584.495,70	-1.225.363,41	1.501.515.492.528,06	662.868	0,0197	29.574.230.799,51
4	Tulungagung	1.237.532,85	-572.326,26	327.557.350.669,88	955.451	0,0284	9.299.344.900,94
5	Blitar	711.960,83	-1.097.898,28	1.205.380.638.568,09	1.092.803	0,0325	39.140.167.170,08
6	Kediri	952.336,55	-857.522,56	735.344.945.080,69	1.351.247	0,0402	29.524.492.445,03
7	Malang	950.723,40	-859.135,71	738.114.172.376,78	2.362.546	0,0702	51.815.584.761,76
8	Lumajang	940.225,22	-869.633,89	756.263.106.867,18	941.590	0,0280	21.158.814.852,69
9	Jember	838.840,80	-971.018,31	942.876.563.079,13	2.106.632	0,0626	59.020.122.135,52
10	Banyuwangi	1.121.077,86	-688.781,25	474.419.613.702,39	1.454.581	0,0432	20.504.875.292,05
11	Bondowoso	847.181,41	-962.677,70	926.748.358.760,59	663.511	0,0197	18.271.177.601,06
12	Situbondo	1.145.898,81	-663.960,30	440.843.283.206,17	581.080	0,0173	7.611.613.756,30
13	Probolinggo	1.184.275,27	-625.583,84	391.355.143.912,53	922.582	0,0274	10.728.342.007,34
14	Pasuruan	1.817.296,67	7.437,56	55.317.262,57	1.208.473	0,0359	1.986.342,88
15	Sidoarjo	2.991.213,12	1.181.354,01	1.395.597.291.195,95	1.232.552	0,0366	51.111.891.696,75
16	Mojokerto	1.235.601,73	-574.257,38	329.771.541.278,15	851.981	0,0253	8.348.331.194,78
17	Jombang	851.318,64	-958.540,47	918.799.837.290,99	1.121.721	0,0333	30.624.030.343,08
18	Nganjuk	762.289,17	-1.047.569,94	1.097.402.784.287,89	1.008.864	0,0300	32.896.922.505,56
19	Madiun	772.954,93	-1.036.904,18	1.075.170.283.545,87	654.665	0,0195	20.914.763.685,91
20	Magetan	893.112,73	-916.746,38	840.423.929.702,95	677.464	0,0201	16.917.696.053,74
21	Ngawi	795.924,13	-1.013.934,98	1.028.064.148.600,26	854.073	0,0254	26.089.862.684,05
22	Bojonegoro	727.746,05	-1.082.113,06	1.170.968.679.886,90	1.176.016	0,0349	40.918.065.749,50
23	Tuban	1.444.781,94	-365.077,17	133.281.341.831,26	1.015.732	0,0302	4.022.583.589,91
24	Lamongan	746.315,75	-1.063.543,36	1.131.124.483.774,09	1.193.644	0,0355	40.118.234.138,89
25	Gresik	3.200.453,24	1.390.594,13	1.933.752.027.625,40	942.898	0,0280	54.177.889.483,08
26	Bangkalan	786.928,42	-1.022.930,69	1.046.387.201.520,30	749.202	0,0223	23.294.207.163,23
27	Sampang	794.550,11	-1.015.309,00	1.030.852.370.420,34	710.658	0,0211	21.767.758.449,40
28	Pamekasan	680.777,30	-1.129.081,81	1.274.825.739.165,71	671.544	0,0200	25.437.936.739,09
29	Sumenep	915.460,04	-894.399,07	799.949.700.768,00	958.358	0,0285	22.779.649.584,93
30	Kediri*	17.844.981,01	16.035.121,90	257.125.134.269.851,00	236.575	0,0070	1.807.465.292.401,28
31	Blitar*	1.932.335,38	122.476,27	15.000.436.117,28	122.117	0,0036	54.429.782,48
32	Malang*	2.502.659,20	692.800,09	479.971.961.333,63	719.744	0,0214	10.264.800.361,83
33	Probolinggo*	2.558.778,57	748.919,46	560.880.353.923,30	181.093	0,0054	3.018.064.227,78
34	Pasuruan*	1.813.866,99	4.007,88	16.063.082,60	157.739	0,0047	75.287,79
35	Mojokerto*	2.547.297,47	737.438,36	543.815.331.211,95	108.027	0,0032	1.745.582.377,62
36	Madiun*	2.278.274,33	468.415,22	219.412.816.048,87	185.643	0,0055	1.210.311.488,60
37	Surabaya*	4.082.260,74	2.272.401,63	5.163.809.156.971,73	2.401.104	0,0713	368.415.370.465,13
38	Batu *		-1.809.859,11	3.275.590.006.854,71		0,0000	0,00
	Propinsi Jawa Timur	1.809.859,11			33.634.521		2.936.884.458.633,98
		v			n		

### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	2000					
		$v_i$	$v_i - \bar{v}$	$(v_i - \bar{v})^2$	$\bar{v}$	$\bar{v}/n$	$(v_i - \bar{v})^2 \times \bar{v}/n$
1	Pacitan	748.878,32	-1.197.985,09	1.435.168.273.272,07	541.326	0,0159	22.849.369.669,71
2	Ponorogo	821.086,33	-1.125.777,08	1.267.374.031.419,21	894.673	0,0263	33.348.910.285,09
3	Trenggalek	628.953,69	-1.317.909,72	1.736.886.027.220,94	667.244	0,0196	34.083.409.089,34
4	Tulungagung	1.321.313,10	-625.550,31	391.313.188.988,56	964.127	0,0284	11.096.122.513,58
5	Blitar	757.213,70	-1.189.649,71	1.415.266.429.930,87	1.096.758	0,0323	45.652.180.780,73
6	Kediri	1.007.598,60	-939.264,81	882.218.381.273,49	1.378.216	0,0405	35.760.690.974,75
7	Malang	993.839,59	-953.023,82	908.254.399.426,80	2.382.258	0,0701	63.636.870.844,98
8	Lumajang	953.254,43	-993.608,98	987.258.802.988,30	943.800	0,0278	27.404.602.052,13
9	Jember	858.454,95	-1.088.408,46	1.184.632.973.446,26	2.105.132	0,0619	73.345.869.575,83
10	Banyuwangi	1.167.919,41	-778.944,00	606.753.753.451,80	1.470.094	0,0432	26.234.336.740,79
11	Bondowoso	863.937,38	-1.080.906,03	1.168.357.843.353,27	674.725	0,0198	23.185.432.012,70
12	Situbondo	1.181.991,71	-764.871,70	585.028.715.807,11	600.235	0,0177	10.327.873.918,46
13	Probolinggo	1.198.779,06	-748.084,35	559.630.193.097,44	922.667	0,0271	15.186.532.976,79
14	Pasuruan	1.859.438,07	-87.425,34	7.643.189.885,09	1.222.071	0,0359	274.715.775,64
15	Sidoarjo	3.043.564,40	1.096.700,99	1.202.753.063.838,23	1.266.776	0,0373	44.811.430.786,08
16	Mojokerto	1.214.729,61	-732.133,80	536.019.899.519,45	880.835	0,0259	13.886.661.489,45
17	Jombang	869.386,30	-1.077.477,11	1.160.956.920.244,27	1.129.014	0,0332	38.550.316.149,72
18	Nganjuk	792.848,83	-1.154.014,58	1.331.749.648.357,41	1.013.101	0,0298	39.681.478.653,78
19	Madiun	797.079,90	-1.149.783,51	1.322.002.117.381,90	654.665	0,0193	25.454.454.006,98
20	Magetan	955.590,65	-991.272,76	982.621.682.574,73	680.402	0,0200	19.663.663.639,67
21	Ngawi	818.024,23	-1.128.839,18	1.274.277.891.862,34	858.042	0,0252	32.157.716.854,75
22	Bojonegoro	753.743,71	-1.193.119,70	1.423.534.615.948,37	1.183.660	0,0348	49.557.286.193,37
23	Tuban	1.499.450,50	-447.412,91	200.178.311.067,29	1.021.920	0,0301	6.016.534.780,91
24	Lamongan	787.770,84	-1.159.092,57	1.343.495.583.323,06	1.200.103	0,0353	47.420.625.317,45
25	Gresik	3.279.452,88	1.332.589,47	1.775.794.698.436,16	957.048	0,0281	49.984.918.372,61
26	Bangkalan	796.813,43	-1.150.049,98	1.322.614.954.011,41	762.046	0,0224	29.643.339.545,99
27	Sampang	850.968,07	-1.095.895,34	1.200.986.593.864,21	715.233	0,0210	25.263.773.308,75
28	Pemekasan	715.422,29	-1.231.441,12	1.516.447.229.364,28	674.133	0,0198	30.066.674.862,77
29	Sumenep	952.777,79	-994.085,62	988.206.217.741,41	966.189	0,0284	28.081.621.604,27
30	Kediri*	19.977.233,28	18.030.369,87	325.094.237.687.988,00	238.536	0,0070	2.280.739.667.788,97
31	Blitar*	2.110.165,92	163.302,51	26.667.710.125,39	123.194	0,0036	96.624.619,00
32	Malang*	2.799.214,30	852.350,89	726.502.041.526,71	730.768	0,0215	15.614.528.427,47
33	Probolinggo*	2.740.482,40	793.618,99	629.831.103.004,55	181.431	0,0053	3.360.842.109,53
34	Pasuruan*	1.960.146,27	13.282,86	176.434.398,50	158.864	0,0047	824.368,27
35	Mojokerto*	2.736.155,81	789.292,40	622.982.494.404,34	108.045	0,0032	1.979.671.036,73
36	Madiun*	2.502.220,92	555.357,51	308.421.965.114,17	188.344	0,0055	1.708.478.829,65
37	Surabaya*	4.716.025,46	2.769.162,05	7.668.258.465.147,58	2.444.976	0,0719	551.421.703.091,76
38	Batu *		-1.946.863,41	3.790.277.132.987,39		0,0000	0,00
	Propinsi Jawa Timur	1.946.863,41			34.000.671		3.757.551.755.048,43
		$\bar{v}$			$n$		

### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	2001					
		$v_i$	$v_i - \bar{v}$	$(v_i - \bar{v})^2$	$f_i$	$f_i/n$	$(v_i - \bar{v})^2 \times f_i/n$
1	Pacitan	759.648,64	+1.205.383,60	1.452.949.621.245,72	543.252	0,0158	22.908.288.969,64
2	Ponorogo	837.644,36	+1.127.387,88	1.271.003.430.190,81	898.158	0,0261	33.131.433.581,17
3	Trenggalek	641.351,44	+1.323.680,80	1.752.130.858.198,62	671.404	0,0195	34.142.178.260,09
4	Tulungagung	1.354.794,35	+610.237,89	372.390.281.428,12	972.187	0,0282	10.507.246.249,20
5	Blitar	767.318,49	+1.197.713,75	1.434.518.225.047,93	1.101.853	0,0320	45.874.409.966,64
6	Kediri	1.032.481,19	-932.551,05	869.651.459.383,65	1.400.292	0,0406	35.343.096.830,29
7	Malang	1.028.155,28	-936.876,96	877.738.436.699,56	2.399.904	0,0697	61.136.384.142,57
8	Lumajang	986.368,13	-978.664,11	957.783.438.656,83	948.671	0,0275	26.370.824.643,66
9	Jember	886.489,13	-1.078.543,11	1.163.255.238.425,51	2.120.074	0,0615	71.575.897.062,92
10	Banyuwangi	1.204.195,16	-760.837,08	578.873.061.101,60	1.475.438	0,0428	24.788.204.291,41
11	Bondowoso	905.018,63	-1.060.013,61	1.123.628.851.711,53	673.129	0,0195	21.951.385.989,14
12	Sinubondo	1.228.516,81	-736.515,43	542.454.977.465,17	600.208	0,0174	9.449.443.683,72
13	Probolinggo	1.223.670,75	-741.361,49	549.616.857.684,45	961.190	0,0279	15.332.396.844,87
14	Pasuruan	1.912.770,95	-52.261,29	2.731.242.349,95	1.225.866	0,0356	97.172.639,70
15	Sidoarjo	3.058.508,40	1.093.476,16	1.195.690.114.214,89	1.293.111	0,0375	44.874.043.798,06
16	Mojokerto	1.236.466,60	-728.565,64	530.807.890.638,24	887.831	0,0258	13.677.553.997,63
17	Jombang	892.911,62	-1.072.120,62	1.149.442.622.136,36	1.135.285	0,0329	37.873.283.571,99
18	Nganjuk	810.716,10	-1.154.316,14	1.332.445.749.241,89	1.016.030	0,0295	39.291.339.056,75
19	Madiun	829.984,79	-1.135.047,45	1.288.332.711.959,32	654.665	0,0190	24.478.675.770,96
20	Magetan	982.103,06	-982.929,18	966.149.771.543,48	683.472	0,0198	19.164.872.998,99
21	Ngawi	851.853,68	-1.113.178,56	1.239.166.504.686,02	862.533	0,0250	31.020.311.058,89
22	Bojonegoro	771.232,97	-1.193.799,27	1.425.156.695.167,59	1.191.394	0,0346	49.278.648.536,10
23	Taban	1.572.102,54	-392.929,70	154.393.748.521,67	1.027.486	0,0298	4.604.117.382,46
24	Lamongan	815.375,37	-1.149.656,87	1.321.710.916.922,95	1.210.879	0,0351	46.449.173.139,77
25	Gresik	3.370.899,44	1.405.867,20	1.976.462.586.255,63	963.816	0,0280	55.287.059.498,00
26	Bangkalan	799.021,71	-1.166.010,53	1.359.580.554.229,81	773.500	0,0224	30.521.510.659,70
27	Sampang	872.643,77	-1.092.388,47	1.193.312.567.664,12	721.869	0,0210	25.000.769.104,08
28	Pamekasan	716.176,38	-1.248.855,86	1.559.640.957.084,46	683.916	0,0198	30.957.662.291,70
29	Sumenep	862.192,01	-1.102.840,23	1.216.256.571.165,13	978.763	0,0284	34.549.638.364,93
30	Kediri*	20.175.924,71	18.210.892,47	331.636.604.582.657,00	238.955	0,0069	2.299.955.033.317,67
31	Blitar*	2.213.131,27	248.099,03	61.553.129.078,68	123.778	0,0036	221.123.224,75
32	Malang*	2.862.922,73	897.890,49	806.207.333.450,16	743.508	0,0216	17.396.951.506,83
33	Probolinggo*	2.736.232,76	771.200,52	594.750.243.265,96	181.999	0,0053	3.141.553.014,19
34	Pasuruan*	2.031.284,15	66.251,91	4.389.315.683,26	159.796	0,0046	20.356.517,53
35	Mojokerto*	2.877.335,31	912.303,07	832.296.892.971,90	108.025	0,0031	2.609.415.940,99
36	Madiun*	2.603.584,27	638.552,03	407.748.696.025,36	189.571	0,0055	2.243.392.402,11
37	Surabaya*	4.883.148,18	2.918.115,94	8.515.400.643.889,63	2.463.716	0,0715	608.886.706.995,37
38	Batu*	1.077.049,96	-887.982,28	788.512.528.191,92	170.030	0,0049	3.891.122.608,81
	Propinsi Jawa Timur	1.965.032,24			34.455.554		3.838.002.677.913,25
		$\bar{v}$			$n$		

### Perhitungan Indeks Ketimpangan Williamson

No.	Kabupaten/Kota	2002					
		$y_i$	$y_i - \bar{y}$	$(y_i - \bar{y})^2$	$\bar{y}$	$\bar{y}/n$	$(y_i - \bar{y})^2 \times \bar{y}/n$
1	Pacitan	770.529,79	+1.192.644,95	1.422.401.982.739,56	535.674	0,0149	21.206.067.489,87
2	Ponorogo	862.965,97	+1.100.208,77	1.210.459.343.100,56	866.995	0,0241	29.208.148.133,13
3	Trenggalek	657.879,34	+1.305.295,40	1.703.796.087.804,96	667.582	0,0186	31.656.249.318,52
4	Tulungagung	1.418.800,45	-544.374,29	296.343.370.342,10	954.853	0,0266	7.875.333.524,85
5	Blitar	794.977,74	-1.168.197,00	1.364.684.236.665,49	1.105.902	0,0308	42.003.554.273,92
6	Kediri	1.060.313,08	-902.861,66	815.159.181.624,25	1.464.954	0,0408	33.235.608.554,89
7	Malang	1.058.079,05	-905.095,69	819.198.212.594,07	2.331.120	0,0649	53.148.480.073,52
8	Lumajang	1.010.344,86	-952.829,88	907.884.764.997,61	993.971	0,0277	25.115.491.079,96
9	Jember	922.172,24	-1.041.002,50	1.083.686.210.225,08	2.219.175	0,0618	66.931.771.693,88
10	Banyuwangi	1.239.320,68	-723.854,06	523.964.703.807,36	1.533.679	0,0427	22.365.248.398,43
11	Bondowoso	928.441,52	-1.034.733,22	1.070.672.841.738,97	704.831	0,0196	21.002.887.514,66
12	Situbondo	1.267.189,94	-695.984,80	484.394.845.320,20	617.570	0,0172	8.325.741.574,82
13	Probolinggo	1.256.699,16	-706.475,58	499.107.748.678,09	1.027.181	0,0286	14.268.506.342,39
14	Pasuruan	1.956.654,06	-6.520,68	42.519.300,35	1.401.079	0,0390	1.658.005,46
15	Sidoarjo	3.132.300,83	1.169.126,09	1.366.855.808.457,54	1.638.669	0,0456	62.337.755.786,85
16	Mojokerto	1.273.126,96	-690.047,78	476.165.942.142,33	954.161	0,0266	12.644.952.820,54
17	Jombang	927.351,38	-1.035.823,36	1.072.930.038.314,55	1.163.083	0,0324	34.731.163.691,00
18	Nganjuk	845.844,36	-1.117.330,38	1.248.427.183.672,43	1.022.050	0,0284	35.511.791.473,65
19	Magetan	859.967,81	-1.103.206,93	1.217.065.533.930,70	655.243	0,0182	22.194.919.657,58
20	Magetan	1.028.972,68	-934.202,06	872.733.493.591,65	621.222	0,0173	15.089.181.890,69
21	Ngawi	876.120,15	-1.087.054,59	1.181.687.687.089,77	837.072	0,0233	27.529.780.459,47
22	Bojonegoro	792.604,45	-1.170.570,29	1.370.234.809.699,07	1.204.542	0,0335	45.936.104.857,68
23	Tuban	1.630.979,50	-332.195,24	110.353.679.144,04	1.069.618	0,0298	3.285.131.378,19
24	Lamongan	843.190,93	-1.119.983,81	1.254.363.740.276,90	1.229.000	0,0342	42.905.463.409,05
25	Gresik	3.485.896,54	1.522.721,80	2.318.681.672.561,42	1.043.747	0,0290	67.355.581.857,04
26	Bangkalan	816.486,88	-1.146.687,86	1.314.893.054.020,04	875.584	0,0244	32.042.431.959,15
27	Sampang	894.253,99	-1.068.920,75	1.142.591.575.139,35	823.498	0,0229	26.187.303.946,13
28	Pamekasan	732.170,62	-1.231.004,12	1.515.371.149.628,33	731.487	0,0204	30.850.545.640,89
29	Sumenep	887.982,13	-1.075.192,61	1.156.039.153.988,85	1.024.843	0,0285	32.973.656.187,30
30	Kediri*	18.277.036,39	16.313.861,65	266.142.081.853.555,00	251.872	0,0070	1.865.652.108.005,81
31	Blitar*	2.250.971,49	287.796,75	82.826.967.867,76	123.027	0,0034	283.602.085,14
32	Malang*	2.943.917,41	980.742,66	961.856.170.529,28	762.155	0,0212	20.402.841.757,38
33	Probolinggo*	2.843.303,64	880.128,90	774.626.876.202,88	198.493	0,0055	4.279.322.127,75
34	Pasuruan*	2.075.857,69	112.682,95	12.697.446.655,79	174.859	0,0049	61.793.331,47
35	Mojokerto*	3.091.094,55	1.127.919,81	1.272.203.092.135,87	111.087	0,0031	3.933.298.513,19
36	Magetan*	2.679.629,64	716.454,90	513.307.620.142,23	169.536	0,0047	2.422.015.211,84
37	Surebaya*	5.083.976,99	3.120.802,25	9.739.406.667.959,63	2.647.283	0,0737	717.579.616.352,70
38	Batu *	1.123.235,33	-839.939,41	705.498.216.681,99	173.763	0,0048	3.411.854.082,17
	Propinsi Jawa Timur	1.963.174,74			35.930.460		3.485.946.962.460,95
		$\Sigma y$			$n$		

### Perbitungan Indeks Williamson

$$IW (1995) = \frac{\sqrt{3.269.993.401.910,36}}{1.914.455,45} = \frac{1.808.312,31}{1.914.455,45} = 0,9446$$

$$IW (1996) = \frac{\sqrt{3.828.177.973.554,93}}{2.051.643,63} = \frac{1.956.573,02}{2.051.643,63} = 0,9537$$

$$IW (1997) = \frac{\sqrt{4.336.562.530.606,73}}{2.127.468,52} = \frac{2.082.441,48}{2.127.468,52} = 0,9788$$

$$IW (1998) = \frac{\sqrt{3.051.533.436.939,33}}{1.809.931,56} = \frac{1.746.863,89}{1.809.931,56} = 0,9652$$

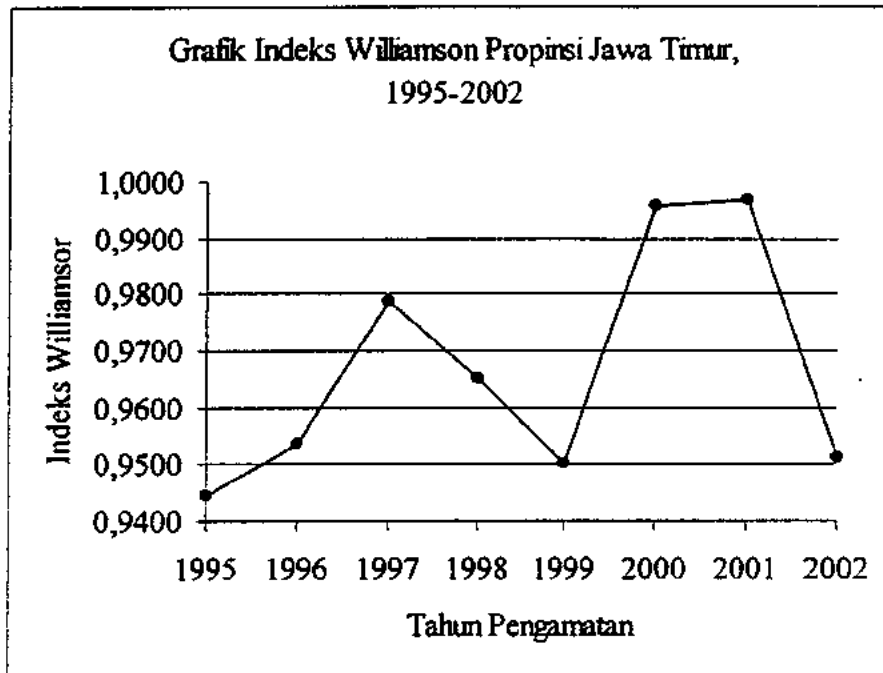
$$IW (1999) = \frac{\sqrt{2.956.884.458.633,98}}{1.809.859,11} = \frac{1.719.559,38}{1.809.859,11} = 0,9501$$

$$IW (2000) = \frac{\sqrt{3.757.551.755.048,45}}{1.946.863,41} = \frac{1.938.440,55}{1.946.863,41} = 0,9957$$

$$IW (2001) = \frac{\sqrt{3.838.002.677.913,25}}{1.965.032,24} = \frac{1.959.082,10}{1.965.032,24} = 0,9970$$

$$IW (2002) = \frac{\sqrt{3.485.946.962.460,95}}{1.963.174,74} = \frac{1.867.069,08}{1.963.174,74} = 0,9510$$

Tahun	Indeks Williamson
1995	0,9446
1996	0,9537
1997	0,9788
1998	0,9652
1999	0,9501
2000	0,9957
2001	0,9970
2002	0,9510
rata-rata	0,9670



Perhitungan Indeks Theil

No.	Kabupaten/Kota	1995						
		Yij	Yij / Y	Nij	Nij / N	(Yij/Y) / (Nij/N)	log ((Yij/Y) / (Nij/N))	(Yij/Y) X log ((Yij/Y) / (Nij/N))
1	Pacitan	741.676,37	0,0105	526.766	0,0161	0,6491	-0,1877	-0,0020
2	Ponorogo	731.090,91	0,0103	870.371	0,0267	0,3872	-0,4120	-0,0043
3	Trenggalek	592.887,33	0,0084	647.486	0,0198	0,4221	-0,3746	-0,0031
4	Tulungagung	1.289.517,87	0,0182	926.878	0,0284	0,6414	-0,1929	-0,0035
5	Blitar	693.145,38	0,0098	1.066.459	0,0327	0,2996	-0,5234	-0,0051
6	Kediri	1.013.898,91	0,0143	1.321.763	0,0405	0,3536	-0,4515	-0,0065
7	Malang	991.670,15	0,0140	2.257.221	0,0691	0,2025	-0,6935	-0,0097
8	Lumajang	1.022.459,05	0,0144	927.362	0,0284	0,5083	-0,2959	-0,0042
9	Jember	885.603,88	0,0125	2.049.422	0,0628	0,1992	-0,7007	-0,0088
10	Banyuwangi	1.190.033,47	0,0168	1.448.904	0,0444	0,3786	-0,4218	-0,0071
11	Bondowoso	857.551,62	0,0121	568.606	0,0174	0,6953	-0,1578	-0,0019
12	Situbondo	1.206.053,70	0,0170	573.639	0,0176	0,9692	-0,0136	-0,0002
13	Probolinggo	1.255.767,97	0,0177	894.886	0,0274	0,6469	-0,1892	-0,0034
14	Pasuruan	1.941.147,57	0,0274	1.189.981	0,0364	0,7520	-0,1238	-0,0034
15	Sidoarjo	3.746.086,36	0,0529	1.122.262	0,0344	1,5388	0,1872	0,0099
16	Mojokerto	1.362.296,54	0,0192	833.651	0,0255	0,7533	-0,1230	-0,0024
17	Jombang	900.321,87	0,0127	1.078.855	0,0330	0,3847	-0,4149	-0,0053
18	Nganjuk	811.417,46	0,0115	963.162	0,0295	0,3884	-0,4108	-0,0047
19	Madiun	804.435,62	0,0114	646.406	0,0198	0,5737	-0,2413	-0,0027
20	Magetan	944.452,85	0,0133	672.989	0,0206	0,6470	-0,1891	-0,0025
21	Ngawi	814.980,75	0,0115	839.762	0,0257	0,4474	-0,3493	-0,0040
22	Bojonegoro	783.691,53	0,0111	1.132.263	0,0347	0,3191	-0,4961	-0,0055
23	Tuban	1.631.464,63	0,0230	980.971	0,0300	0,7667	-0,1154	-0,0027
24	Lamongan	775.903,11	0,0110	1.173.273	0,0359	0,3049	-0,5159	-0,0057
25	Gresik	3.494.959,56	0,0493	882.669	0,0270	1,8254	0,2613	0,0129
26	Bangkalan	827.891,43	0,0117	721.558	0,0221	0,5289	-0,2766	-0,0032
27	Sampang	849.669,33	0,0120	705.030	0,0216	0,5556	-0,2553	-0,0031
28	Pamekasan	752.030,07	0,0106	636.855	0,0195	0,5444	-0,2641	-0,0028
29	Sumenep	866.600,88	0,0122	925.287	0,0283	0,4318	-0,3648	-0,0045
30	Kediri*	17.163.499,55	0,2423	234.445	0,0072	33,7497	1,5283	0,3703
31	Blitar*	2.046.607,98	0,0289	119.755	0,0037	7,8785	0,8964	0,0259
32	Malang*	3.017.632,64	0,0426	711.673	0,0218	1,9547	0,2911	0,0124
33	Probolinggo*	2.956.464,73	0,0417	179.222	0,0055	7,6048	0,8811	0,0368
34	Pasuruan*	1.898.431,85	0,0268	148.818	0,0046	5,8809	0,7694	0,0206
35	Mojokerto*	2.676.747,64	0,0378	104.158	0,0032	11,8473	1,0736	0,0406
36	Madiun*	2.410.706,02	0,0340	183.315	0,0056	6,0625	0,7827	0,0266
37	Surabaya*	4.886.055,10	0,0690	2.329.598	0,0713	0,9669	-0,0146	-0,0010
38	Batu*		0,0000		0,0000			0,0000
	Propinsi Jawa Timur	70.834.851,68		32.655.151				0,4429
		Y		N				TP



### Perhitungan Indeks Theil

No.	Kabupaten/Kota	1996						
		Y <sub>ij</sub>	Y <sub>ij</sub> / Y	N <sub>ij</sub>	N <sub>ij</sub> / N	(Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))
1	Pacitan	780.257,24	0,0103	527.681	0,0159	0,6446	-0,1907	-0,0020
2	Ponotogo	766.142,61	0,0101	875.733	0,0265	0,3814	-0,4187	-0,0042
3	Trenggalek	620.585,86	0,0082	652.433	0,0197	0,4146	-0,3823	-0,0031
4	Tulungagung	1.407.147,65	0,0185	936.432	0,0283	0,6550	-0,1837	-0,0034
5	Blitar	758.295,32	0,0100	1.081.833	0,0327	0,3055	-0,5149	-0,0051
6	Kediri	1.062.555,87	0,0140	1.330.106	0,0402	0,3482	-0,4581	-0,0064
7	Malang	1.058.646,79	0,0139	2.319.547	0,0701	0,1989	-0,7013	-0,0098
8	Lumajang	1.077.164,40	0,0142	929.153	0,0281	0,5053	-0,2964	-0,0042
9	Jember	939.818,19	0,0124	2.075.103	0,0627	0,1974	-0,7046	-0,0087
10	Banyuwangi	1.273.905,63	0,0168	1.445.357	0,0437	0,3842	-0,4154	-0,0070
11	Bondowoso	908.832,27	0,0120	661.573	0,0200	0,5990	-0,2226	-0,0027
12	Situbondo	1.252.450,03	0,0165	579.890	0,0175	0,9415	-0,0262	-0,0004
13	Probolinggo	1.327.340,42	0,0175	914.909	0,0276	0,6324	-0,1990	-0,0035
14	Pasuruan	2.121.167,04	0,0279	1.176.240	0,0355	0,7861	-0,1045	-0,0029
15	Sidoarjo	3.933.380,18	0,0518	1.142.413	0,0345	1,5008	0,1763	0,0091
16	Mojokerto	1.427.287,70	0,0188	847.949	0,0256	0,7337	-0,1345	-0,0025
17	Jombang	959.280,38	0,0126	1.098.115	0,0332	0,3808	-0,4193	-0,0053
18	Nganjuk	863.386,88	0,0114	996.981	0,0301	0,3775	-0,4231	-0,0048
19	Madiun	857.460,58	0,0113	648.104	0,0196	0,5767	-0,2390	-0,0027
20	Magetan	989.449,71	0,0130	672.144	0,0203	0,6417	-0,1927	-0,0025
21	Ngawi	861.451,14	0,0113	843.410	0,0255	0,4452	-0,3514	-0,0040
22	Bojonegoro	812.237,80	0,0107	1.163.283	0,0352	0,3044	-0,5166	-0,0055
23	Tuban	1.743.087,89	0,0230	990.245	0,0299	0,7673	-0,1150	-0,0026
24	Lamongan	806.088,71	0,0106	1.180.849	0,0357	0,2976	-0,5264	-0,0056
25	Gresik	3.831.371,41	0,0505	910.365	0,0275	1,8346	0,2635	0,0133
26	Bangkalan	867.742,25	0,0114	725.653	0,0219	0,5213	-0,2829	-0,0032
27	Sampang	881.540,31	0,0116	706.578	0,0214	0,5438	-0,2645	-0,0031
28	Pamekasan	778.841,61	0,0103	662.921	0,0200	0,5121	-0,2906	-0,0030
29	Sumenep	933.276,04	0,0123	952.868	0,0288	0,4269	-0,3696	-0,0045
30	Kediri*	18.574.424,91	0,2447	235.136	0,0071	34,4341	1,5370	0,3761
31	Blitar*	2.188.291,25	0,0288	120.056	0,0036	7,9454	0,9001	0,0259
32	Malang*	3.238.015,74	0,0427	707.790	0,0214	1,9942	0,2998	0,0128
33	Probolinggo*	3.171.874,52	0,0418	179.640	0,0054	7,6967	0,8863	0,0370
34	Pasuruan*	2.023.534,92	0,0267	154.790	0,0047	5,6985	0,7558	0,0201
35	Mojokerto*	2.905.727,98	0,0383	105.401	0,0032	12,0172	1,0798	0,0413
36	Madiun*	2.602.009,07	0,0343	184.668	0,0056	6,1420	0,7883	0,0270
37	Surabaya*	5.306.743,93	0,0699	2.344.520	0,0709	0,9867	-0,0058	-0,0004
38	Batu *		0,0000		0,0000			0,0000
	Propinsi Jawa Timur	75.910.814,23		33.089.936				0,4495
		Y		N				Tp

### Perhitungan Indeks Theil

No.	Kabupaten/Kota	1997						
		Y <sub>ij</sub>	Y <sub>ij</sub> / Y	N <sub>ij</sub>	N <sub>ij</sub> / N	(Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))
1	Pacitan	787.776,91	0,0100	531.991	0,0160	0,6256	-0,2037	-0,0020
2	Ponorogo	777.870,72	0,0099	880.116	0,0265	0,3734	-0,4278	-0,0042
3	Trenggalek	629.614,53	0,0080	655.590	0,0197	0,4058	-0,3917	-0,0031
4	Tulungagung	1.455.065,31	0,0185	941.803	0,0283	0,6528	-0,1853	-0,0034
5	Blitar	764.103,82	0,0097	1.088.099	0,0327	0,2967	-0,5277	-0,0051
6	Kediri	1.080.648,15	0,0137	1.330.106	0,0400	0,3433	-0,4644	-0,0064
7	Malang	1.068.683,87	0,0136	2.333.015	0,0701	0,1935	-0,7132	-0,0097
8	Lumajang	1.089.685,37	0,0138	931.075	0,0280	0,4945	-0,3059	-0,0042
9	Jember	937.255,74	0,0119	2.078.701	0,0625	0,1905	-0,7201	-0,0086
10	Banyuwangi	1.286.949,87	0,0163	1.452.176	0,0437	0,3744	-0,4266	-0,0070
11	Bondowoso	921.480,47	0,0117	661.413	0,0199	0,5886	-0,2302	-0,0027
12	Situbondo	1.274.901,57	0,0162	579.628	0,0174	0,9293	-0,0318	-0,0005
13	Probolinggo	1.378.419,75	0,0175	922.680	0,0277	0,6312	-0,1998	-0,0035
14	Pasuruan	2.145.741,56	0,0273	1.183.798	0,0356	0,7658	-0,1159	-0,0032
15	Sidoarjo	3.987.169,26	0,0507	1.164.646	0,0350	1,4464	0,1603	0,0081
16	Mojokerto	1.433.173,56	0,0182	859.290	0,0258	0,7047	-0,1520	-0,0028
17	Jombang	974.629,83	0,0124	1.106.441	0,0333	0,3722	-0,4293	-0,0033
18	Nganjuk	876.171,84	0,0111	1.000.747	0,0301	0,3699	-0,4319	-0,0048
19	Madiun	884.387,84	0,0112	650.133	0,0195	0,5747	-0,2405	-0,0027
20	Magetan	997.845,58	0,0127	674.367	0,0203	0,6252	-0,2040	-0,0026
21	Ngawi	871.749,17	0,0111	845.703	0,0254	0,4355	-0,3610	-0,0040
22	Bojonegoro	825.320,84	0,0105	1.167.628	0,0351	0,2986	-0,5249	-0,0055
23	Tuban	1.723.134,05	0,0219	1.000.111	0,0301	0,7279	-0,1379	-0,0030
24	Lamongan	815.443,76	0,0104	1.185.437	0,0356	0,2906	-0,5367	-0,0056
25	Gresik	3.920.660,12	0,0498	919.515	0,0276	1,8015	0,2556	0,0127
26	Bangkalan	872.462,19	0,0111	732.123	0,0220	0,5035	-0,2980	-0,0033
27	Sampang	873.419,21	0,0111	707.923	0,0213	0,5213	-0,2829	-0,0031
28	Pamekasan	788.118,43	0,0100	664.527	0,0200	0,5011	-0,3001	-0,0030
29	Sumenep	1.008.718,00	0,0128	954.215	0,0287	0,4466	-0,3501	-0,0045
30	Kediri*	20.124.830,70	0,2557	235.614	0,0071	36,0874	1,5574	0,3982
31	Blitar*	2.288.643,82	0,0291	120.671	0,0036	8,0131	0,9038	0,0263
32	Malang*	3.339.851,71	0,0424	714.329	0,0215	1,9754	0,2957	0,0125
33	Probolinggo*	3.234.501,74	0,0411	180.079	0,0054	7,5887	0,8802	0,0362
34	Pasuruan*	2.081.545,95	0,0264	155.745	0,0047	5,6467	0,7518	0,0199
35	Mojokerto*	2.940.332,22	0,0374	106.135	0,0032	11,7048	1,0684	0,0399
36	Madiun*	2.769.455,05	0,0352	185.558	0,0056	6,3058	0,7997	0,0281
37	Surabaya*	5.486.572,85	0,0697	2.356.486	0,0709	0,9837	-0,0071	-0,0005
38	Batu *		0,0000		0,0000			0,0000
	Propinsi Jawa Timur	78.716.335,36		33.257.524				0,4676
		Y		N				Tp

### Perhitungan Indeks Theil

No.	Kabupaten/Kota	1998						
		Y <sub>ij</sub>	Y <sub>ij</sub> / Y	N <sub>ij</sub>	N <sub>ij</sub> / N	(Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))
1	Pacitan	726.630,70	0,0109	534.692	0,0160	0,6787	-0,1683	-0,0018
2	Ponorogo	714.765,48	0,0107	884.459	0,0264	0,4036	-0,3940	-0,0042
3	Trenggalek	574.540,41	0,0086	683.860	0,0204	0,4196	-0,3771	-0,0032
4	Tulungagung	1.220.920,13	0,0182	947.790	0,0283	0,6434	-0,1915	-0,0035
5	Blitar	687.497,88	0,0103	1.090.399	0,0326	0,3149	-0,5018	-0,0052
6	Kediri	925.826,84	0,0138	1.340.299	0,0401	0,3450	-0,4622	-0,0064
7	Malang	940.070,01	0,0140	2.345.567	0,0701	0,2002	-0,6986	-0,0098
8	Lumajang	928.011,71	0,0139	934.478	0,0279	0,4960	-0,3045	-0,0042
9	Jember	826.576,81	0,0123	2.083.068	0,0623	0,1982	-0,7029	-0,0087
10	Banyuwangi	1.118.360,11	0,0167	1.451.787	0,0434	0,3847	-0,4148	-0,0069
11	Bondowoso	838.741,58	0,0125	662.726	0,0198	0,6321	-0,1992	-0,0025
12	Situbondo	1.136.974,32	0,0170	580.235	0,0173	0,9787	-0,0094	-0,0002
13	Probolinggo	1.192.093,01	0,0178	943.261	0,0282	0,6312	-0,1998	-0,0036
14	Pasuruan	1.825.806,44	0,0273	1.197.362	0,0358	0,7616	-0,1183	-0,0032
15	Sidoarjo	3.079.271,88	0,0460	1.192.165	0,0356	1,2901	0,1106	0,0051
16	Mojokerto	1.207.375,35	0,0180	866.684	0,0259	0,6958	-0,1575	-0,0028
17	Jombang	843.541,09	0,0126	1.114.150	0,0333	0,3781	-0,4223	-0,0053
18	Nganjuk	756.351,95	0,0113	1.004.193	0,0300	0,3762	-0,4246	-0,0048
19	Madiun	767.436,77	0,0115	651.049	0,0195	0,5887	-0,2301	-0,0026
20	Magetan	878.975,96	0,0131	675.376	0,0202	0,6500	-0,1871	-0,0025
21	Ngawi	782.529,84	0,0117	848.093	0,0254	0,4608	-0,3364	-0,0039
22	Bojonegoro	723.027,16	0,0108	1.170.947	0,0350	0,3084	-0,5109	-0,0055
23	Tuban	1.307.990,21	0,0195	1.006.751	0,0301	0,6489	-0,1878	-0,0037
24	Lamongan	734.731,69	0,0110	1.188.866	0,0355	0,3087	-0,5105	-0,0056
25	Gresik	3.136.296,02	0,0468	920.478	0,0275	1,7018	0,2309	0,0108
26	Bangkaian	790.690,62	0,0118	733.778	0,0219	0,5382	-0,2691	-0,0032
27	Sampang	792.681,57	0,0118	709.495	0,0212	0,5580	-0,2534	-0,0030
28	Pamekasan	690.322,48	0,0103	666.675	0,0199	0,5172	-0,2864	-0,0030
29	Sumenep	958.308,39	0,0143	956.091	0,0286	0,5006	-0,3005	-0,0043
30	Kediri*	17.996.296,37	0,2687	236.307	0,0071	38,0370	1,5802	0,4247
31	Blitar*	1.913.319,49	0,0286	121.087	0,0036	7,8920	0,8972	0,0256
32	Malang*	2.562.524,37	0,0383	710.576	0,0212	1,8012	0,2556	0,0098
33	Probolinggo*	2.596.520,02	0,0388	180.369	0,0054	7,1820	0,8362	0,0332
34	Pasuruan*	1.812.506,11	0,0271	156.561	0,0047	5,7822	0,7621	0,0206
35	Mojokerto*	2.537.298,95	0,0379	107.123	0,0032	11,8301	1,0730	0,0407
36	Madiun*	2.259.251,15	0,0337	186.331	0,0056	6,0559	0,7822	0,0264
37	Surabaya*	4.183.404,67	0,0625	2.373.082	0,0709	0,8805	-0,0553	-0,0035
38	Batu *		0,0000		0,0000			0,0000
	Propinsi Jawa Timur	66.967.467,54		33.447.470				0,4798
		Y		N				Tp

### Perhitungan Indeks Theil

No.	Kabupaten/Kota	1999						
		Y <sub>ij</sub>	Y <sub>ij</sub> /Y	N <sub>ij</sub>	N <sub>ij</sub> /N	(Y <sub>ij</sub> /Y)/(N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y)/(N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y)/(N <sub>ij</sub> /N))
1	Pacitan	738.290,95	0,0110	530.326	0,0138	0,6997	-0,1551	-0,0017
2	Ponorogo	734.769,85	0,0110	889.417	0,0264	0,4152	-0,3818	-0,0042
3	Trenggalek	384.495,70	0,0087	662.868	0,0197	0,4432	-0,3534	-0,0031
4	Tulungagung	1.237.532,85	0,0185	955.451	0,0284	0,6509	-0,1865	-0,0034
5	Blitar	711.960,83	0,0106	1.092.803	0,0325	0,3274	-0,4849	-0,0052
6	Kediri	952.336,55	0,0142	1.351.247	0,0402	0,3542	-0,4507	-0,0064
7	Malang	950.723,40	0,0142	2.362.546	0,0702	0,2022	-0,6941	-0,0099
8	Lumajang	940.225,22	0,0140	941.590	0,0280	0,5018	-0,2994	-0,0042
9	Jember	838.840,80	0,0125	2.106.632	0,0626	0,2001	-0,6987	-0,0088
10	Banyuwangi	1.121.077,86	0,0167	1.454.581	0,0452	0,3873	-0,4119	-0,0069
11	Bondowoso	847.181,41	0,0127	663.511	0,0197	0,6417	-0,1927	-0,0024
12	Situbondo	1.145.898,81	0,0171	581.080	0,0173	0,9911	-0,0039	-0,0001
13	Probolinggo	1.184.275,27	0,0177	922.582	0,0274	0,6451	-0,1904	-0,0034
14	Pasuruan	1.817.296,67	0,0271	1.208.473	0,0359	0,7558	-0,1216	-0,0033
15	Sidoarjo	2.991.213,12	0,0447	1.232.552	0,0366	1,2197	0,0862	0,0039
16	Mojokerto	1.235.601,73	0,0185	851.981	0,0253	0,7289	-0,1374	-0,0025
17	Jombang	851.318,64	0,0127	1.121.721	0,0333	0,3814	-0,4186	-0,0053
18	Nganjuk	762.289,17	0,0114	1.008.864	0,0300	0,3797	-0,4205	-0,0048
19	Madium	772.954,93	0,0115	654.665	0,0195	0,5934	-0,2267	-0,0026
20	Magetan	893.112,73	0,0133	677.464	0,0201	0,6625	-0,1788	-0,0024
21	Ngawi	795.924,13	0,0119	854.073	0,0234	0,4684	-0,3294	-0,0039
22	Bojonegoro	727.746,05	0,0109	1.176.016	0,0349	0,3110	-0,5072	-0,0055
23	Tuban	1.444.781,94	0,0216	1.015.732	0,0302	0,7149	-0,1458	-0,0031
24	Lamongan	746.315,75	0,0111	1.193.644	0,0355	0,3142	-0,5028	-0,0056
25	Gresik	3.200.453,24	0,0478	942.898	0,0280	1,7059	0,2319	0,0111
26	Bangkalan	786.928,42	0,0118	749.202	0,0223	0,5279	-0,2775	-0,0033
27	Sampang	794.550,11	0,0119	710.638	0,0211	0,5619	-0,2503	-0,0030
28	Pamekasan	680.777,30	0,0102	671.544	0,0200	0,5095	-0,2929	-0,0030
29	Sumenep	915.460,04	0,0137	958.358	0,0285	0,4801	-0,3187	-0,0044
30	Kediri*	17.844.981,01	0,2665	236.575	0,0070	37,9092	1,5787	0,4207
31	Blitar*	1.932.335,38	0,0289	122.117	0,0036	7,9525	0,9005	0,0260
32	Malang*	2.502.659,20	0,0374	719.744	0,0214	1,7475	0,2424	0,0091
33	Probolinggo*	2.538.778,57	0,0382	181.093	0,0054	7,1011	0,8513	0,0325
34	Pasuruan*	1.813.866,99	0,0271	157.739	0,0047	5,7791	0,7619	0,0206
35	Mojokerto*	2.547.297,47	0,0380	108.027	0,0032	11,8507	1,0737	0,0408
36	Madium*	2.278.274,33	0,0340	185.643	0,0055	6,1677	0,7901	0,0269
37	Surabaya*	4.082.260,74	0,0610	2.401.104	0,0713	0,8545	-0,0683	-0,0042
38	Batu*		0,0000		0,0000			0,0000
	Propinsi Jawa Timur	66.964.787,16		33.654.521				0,4752
		Y		N				Tp

### Perhitungan Indeks Theil

No.	Kabupaten/Kota	2000						
		Y <sub>ij</sub>	Y <sub>ij</sub> / Y	N <sub>ij</sub>	N <sub>ij</sub> / N	(Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))
1	Pacitan	748.878,32	0,0104	541.326	0,0159	0,6530	-0,1851	-0,0019
2	Ponorogo	821.086,33	0,0114	894.673	0,0263	0,4332	-0,3633	-0,0041
3	Trenggalek	628.953,69	0,0087	667.244	0,0196	0,4449	-0,3517	-0,0031
4	Tulungagung	1.321.313,10	0,0183	964.127	0,0284	0,6469	-0,1892	-0,0035
5	Blitar	757.213,70	0,0105	1.096.758	0,0323	0,3259	-0,4869	-0,0051
6	Kediri	1.007.598,60	0,0140	1.378.216	0,0405	0,3451	-0,4621	-0,0065
7	Malang	993.839,59	0,0138	2.382.258	0,0701	0,1969	-0,7057	-0,0097
8	Lumajang	953.254,43	0,0132	943.800	0,0278	0,4767	-0,3217	-0,0043
9	Jember	858.454,95	0,0119	2.105.132	0,0619	0,1925	-0,7156	-0,0085
10	Banyuwangi	1.167.919,41	0,0162	1.470.094	0,0432	0,3750	-0,4260	-0,0069
11	Bondowoso	865.957,38	0,0120	674.725	0,0198	0,6058	-0,2177	-0,0026
12	Situbondo	1.181.991,71	0,0164	600.235	0,0177	0,9295	-0,0318	-0,0005
13	Probolinggo	1.198.779,06	0,0166	922.667	0,0271	0,6133	-0,2124	-0,0035
14	Pasuruan	1.859.438,07	0,0258	1.222.071	0,0359	0,7182	-0,1438	-0,0037
15	Sidoarjo	3.043.564,40	0,0423	1.266.776	0,0373	1,1341	0,0546	0,0023
16	Mojokerto	1.214.729,61	0,0169	880.855	0,0259	0,6509	-0,1865	-0,0031
17	Jombang	869.386,30	0,0121	1.129.014	0,0332	0,3635	-0,4395	-0,0053
18	Nganjuk	792.848,83	0,0110	1.013.101	0,0298	0,3694	-0,4325	-0,0048
19	Madiun	797.079,90	0,0111	654.665	0,0193	0,5747	-0,2406	-0,0027
20	Magetan	955.590,65	0,0133	680.402	0,0200	0,6629	-0,1785	-0,0024
21	Ngawi	818.024,23	0,0114	858.042	0,0252	0,4500	-0,3468	-0,0039
22	Bojonegoro	753.743,71	0,0105	1.183.660	0,0348	0,3006	-0,5221	-0,0055
23	Tuban	1.499.450,50	0,0208	1.021.920	0,0301	0,6926	-0,1595	-0,0033
24	Lamongan	787.770,84	0,0109	1.200.103	0,0353	0,3098	-0,5089	-0,0056
25	Gresik	3.279.452,88	0,0455	957.048	0,0281	1,6174	0,2088	0,0095
26	Bangkalan	796.813,43	0,0111	762.046	0,0224	0,4935	-0,3067	-0,0034
27	Sampang	850.968,07	0,0118	715.233	0,0210	0,5616	-0,2506	-0,0030
28	Pamekasan	715.422,29	0,0099	674.133	0,0198	0,5009	-0,3002	-0,0030
29	Sumenep	952.777,79	0,0132	966.189	0,0284	0,4655	-0,3321	-0,0044
30	Kediri*	19.977.233,28	0,2773	238.536	0,0070	39,5304	1,5969	0,4429
31	Blitar*	2.110.165,92	0,0293	123.194	0,0036	8,0849	0,9077	0,0266
32	Malang*	2.799.214,30	0,0389	730.768	0,0215	1,8080	0,2572	0,0100
33	Probolinggo*	2.740.482,40	0,0380	181.431	0,0053	7,1296	0,8531	0,0325
34	Pasuruan*	1.960.146,27	0,0272	158.864	0,0047	5,8239	0,7652	0,0208
35	Mojokerto*	2.736.155,81	0,0380	108.045	0,0032	11,9533	1,0775	0,0409
36	Madiun*	2.502.220,92	0,0347	188.344	0,0055	6,2708	0,7973	0,0277
37	Surabaya*	4.716.025,46	0,0635	2.444.976	0,0719	0,9104	-0,0407	-0,0027
38	Batu *		0,0000		0,0000			0,0000
	Propinsi Jawa Timur	72.033.946,13		34.000.671				0,4963
		Y		N				Tp

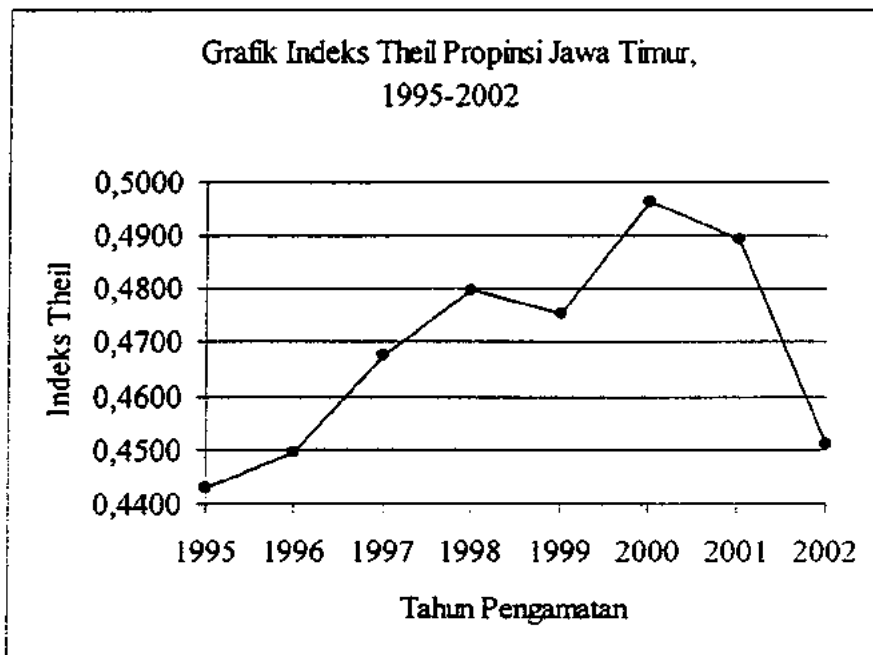
### Perhitungan Indeks Theil

No.	Kabupaten/Kota	2001						
		Y <sub>ij</sub>	Y <sub>ij</sub> / Y	N <sub>ij</sub>	N <sub>ij</sub> / N	(Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))
1	Pacitan	759.648,64	0,0102	543.252	0,0158	0,6432	-0,1903	-0,0019
2	Ponorogo	837.644,36	0,0112	898.158	0,0261	0,4303	-0,3662	-0,0041
3	Trenggalek	641.351,44	0,0086	671.404	0,0195	0,4408	-0,3558	-0,0031
4	Tulungagung	1.354.794,35	0,0181	972.187	0,0282	0,6430	-0,1918	-0,0035
5	Blitar	767.318,49	0,0103	1.101.853	0,0320	0,3213	-0,4930	-0,0051
6	Kediri	1.032.481,19	0,0138	1.400.292	0,0406	0,3402	-0,4682	-0,0065
7	Malang	1.028.155,28	0,0138	2.399.904	0,0697	0,1977	-0,7040	-0,0097
8	Lumajang	986.368,13	0,0132	948.671	0,0275	0,4798	-0,3190	-0,0042
9	Jember	886.489,13	0,0119	2.120.074	0,0615	0,1929	-0,7146	-0,0085
10	Danyuwangi	1.204.195,16	0,0161	1.475.438	0,0428	0,3766	-0,4241	-0,0068
11	Bondowoso	905.018,63	0,0121	673.129	0,0195	0,6204	-0,2073	-0,0025
12	Situbondo	1.228.516,81	0,0165	600.208	0,0174	0,9445	-0,0248	-0,0004
13	Probolinggo	1.223.670,75	0,0164	961.190	0,0279	0,5874	-0,2310	-0,0038
14	Pasuruan	1.912.770,95	0,0256	1.225.866	0,0356	0,7200	-0,1427	-0,0037
15	Sidoarjo	3.058.508,40	0,0410	1.293.111	0,0375	1,0914	0,0380	0,0016
16	Mojokerto	1.236.466,60	0,0166	887.831	0,0258	0,6426	-0,1920	-0,0032
17	Jombang	892.911,62	0,0120	1.135.285	0,0329	0,3629	-0,4402	-0,0053
18	Nganjuk	810.716,10	0,0109	1.016.030	0,0295	0,3682	-0,4339	-0,0047
19	Madiun	829.984,79	0,0111	654.665	0,0190	0,5850	-0,2328	-0,0026
20	Magetan	982.103,06	0,0132	683.472	0,0198	0,6630	-0,1785	-0,0023
21	Ngawi	851.853,68	0,0114	862.533	0,0250	0,4557	-0,3413	-0,0039
22	Bojonegoro	771.232,97	0,0103	1.191.394	0,0346	0,2987	-0,5248	-0,0054
23	Tuban	1.572.102,54	0,0211	1.027.486	0,0298	0,7060	-0,1512	-0,0032
24	Lamongan	815.375,37	0,0109	1.210.879	0,0351	0,3107	-0,5076	-0,0055
25	Gresik	3.370.899,44	0,0451	963.816	0,0280	1,6138	0,2079	0,0094
26	Bangkalan	799.021,71	0,0107	773.500	0,0224	0,4767	-0,3218	-0,0034
27	Sampang	872.643,77	0,0117	721.869	0,0210	0,5578	-0,2535	-0,0030
28	Pamekasan	716.176,38	0,0096	683.916	0,0198	0,4832	-0,3159	-0,0030
29	Sumenep	862.192,01	0,0115	978.763	0,0284	0,4065	-0,3910	-0,0045
30	Kediri*	20.175.924,71	0,2702	238.955	0,0069	38,9604	1,5906	0,4298
31	Blitar*	2.213.131,27	0,0296	123.778	0,0036	8,2503	0,9165	0,0272
32	Malang*	2.862.922,73	0,0383	743.508	0,0216	1,7768	0,2496	0,0096
33	Probolinggo*	2.736.232,76	0,0366	181.999	0,0053	6,9373	0,8412	0,0308
34	Pasuruan*	2.031.284,15	0,0272	159.796	0,0046	5,8656	0,7683	0,0209
35	Mojokerto*	2.877.335,31	0,0385	108.025	0,0031	12,2906	1,0896	0,0420
36	Madiun*	2.603.584,27	0,0349	189.571	0,0055	6,3373	0,8019	0,0280
37	Surabaya*	4.883.148,18	0,0654	2.463.716	0,0715	0,9146	-0,0388	-0,0025
38	Batu*	1.077.049,96	0,0144	170.030	0,0049	2,9229	0,4658	0,0067
	Propinsi Jawa Timur	74.671.225,09		34.455.554				0,4895
		Y		N				Ip

### Perhitungan Indeks Theil

No.	Kabupaten/Kota	2002						
		Y <sub>ij</sub>	Y <sub>ij</sub> / Y	N <sub>ij</sub>	N <sub>ij</sub> / N	(Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N)	log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))	(Y <sub>ij</sub> /Y) X log ((Y <sub>ij</sub> /Y) / (N <sub>ij</sub> /N))
1	Pacitan	770.529,79	0,0103	535.674	0,0149	0,6928	-0,1594	-0,0016
2	Ponorogo	862.965,97	0,0116	866.995	0,0241	0,4794	-0,3193	-0,0037
3	Trenggalek	657.879,34	0,0088	667.582	0,0186	0,4746	-0,3236	-0,0029
4	Tulungagung	1.418.800,45	0,0190	954.853	0,0266	0,7157	-0,1453	-0,0028
5	Blitar	794.977,74	0,0107	1.105.902	0,0308	0,3462	-0,4606	-0,0049
6	Kediri	1.060.313,08	0,0142	1.464.954	0,0408	0,3486	-0,4577	-0,0065
7	Malang	1.058.079,05	0,0142	2.331.120	0,0649	0,2186	-0,6603	-0,0094
8	Lumajang	1.010.344,86	0,0135	993.971	0,0277	0,4896	-0,3102	-0,0042
9	Jember	922.172,24	0,0124	2.219.175	0,0618	0,2001	-0,6987	-0,0086
10	Banyuwangi	1.239.320,68	0,0166	1.533.679	0,0427	0,3892	-0,4098	-0,0068
11	Bondowoso	928.441,52	0,0124	704.831	0,0196	0,6344	-0,1976	-0,0025
12	Situbondo	1.267.189,94	0,0170	617.570	0,0172	0,9883	-0,0051	-0,0001
13	Probolinggo	1.256.699,16	0,0168	1.027.181	0,0286	0,5893	-0,2297	-0,0039
14	Pasuruan	1.956.654,06	0,0262	1.401.079	0,0390	0,6726	-0,1722	-0,0045
15	Sidoarjo	3.132.300,83	0,0420	1.638.669	0,0456	0,9206	-0,0359	-0,0015
16	Mojokerto	1.273.126,96	0,0171	954.161	0,0266	0,6426	-0,1920	-0,0033
17	Jombang	927.351,38	0,0124	1.163.083	0,0324	0,3840	-0,4156	-0,0052
18	Nganjuk	845.844,36	0,0113	1.022.050	0,0284	0,3986	-0,3995	-0,0045
19	Madiun	859.967,81	0,0115	655.243	0,0182	0,6321	-0,1992	-0,0023
20	Magetan	1.028.972,68	0,0138	621.222	0,0173	0,7978	-0,0981	-0,0014
21	Ngawi	876.120,15	0,0117	837.072	0,0233	0,3041	-0,2975	-0,0035
22	Bojonegoro	792.604,45	0,0106	1.204.542	0,0335	0,3169	-0,4990	-0,0053
23	Tuban	1.630.979,50	0,0219	1.069.618	0,0298	0,7344	-0,1341	-0,0029
24	Lamongan	843.190,93	0,0113	1.229.000	0,0342	0,3304	-0,4809	-0,0054
25	Gresik	3.485.896,54	0,0467	1.043.747	0,0290	1,6086	0,2064	0,0096
26	Bangkalan	816.486,88	0,0109	875.584	0,0244	0,4491	-0,3476	-0,0038
27	Sampang	894.253,99	0,0120	823.498	0,0229	0,5230	-0,2815	-0,0034
28	Pamekasan	752.170,62	0,0098	731.487	0,0204	0,4821	-0,3169	-0,0031
29	Sumenep	887.982,13	0,0119	1.024.843	0,0285	0,4173	-0,3795	-0,0045
30	Kediri*	18.277.036,39	0,2450	251.872	0,0070	34,9499	1,5434	0,3781
31	Blitar*	2.250.971,49	0,0302	123.027	0,0034	8,8123	0,9451	0,0285
32	Malang*	2.943.917,41	0,0395	762.155	0,0212	1,8604	0,2696	0,0106
33	Probolinggo*	2.843.303,64	0,0381	198.493	0,0055	6,8992	0,8388	0,0320
34	Pasuruan*	2.075.857,69	0,0278	174.859	0,0049	5,7178	0,7572	0,0211
35	Mojokerto*	3.091.094,55	0,0414	111.087	0,0031	13,4020	1,1272	0,0467
36	Madiun*	2.679.629,64	0,0359	169.536	0,0047	7,6126	0,8815	0,0317
37	Surabaya*	5.083.976,99	0,0681	2.647.283	0,0737	0,9250	-0,0339	-0,0023
38	Batu *	1.123.235,33	0,0151	173.763	0,0048	3,1134	0,4932	0,0074
	Propinsi Jawa Timur	74.600.640,22		35.930.460				0,4511
		Y		N				Tp

Tahun	Indeks Theil
1995	0,4429
1996	0,4495
1997	0,4676
1998	0,4798
1999	0,4752
2000	0,4963
2001	0,4895
2002	0,4511
rata-rata	0,4690





### Perhitungan Korelasi Pearson

Tahun	Laju Pertumbuhan X	Indek Williamson Y	X <sup>2</sup>	Y <sup>2</sup>	XY
1995	8,18	0,9446	66,9124	0,8923	7,7268
1996	8,26	0,9537	68,2276	0,9095	7,8776
1997	5,02	0,9788	25,2004	0,9580	4,9136
1998	-16,12	0,9652	259,8544	0,9316	-15,5590
1999	1,21	0,9501	1,4641	0,9027	1,1496
2000	3,26	0,9957	10,6276	0,9914	3,2460
2001	3,33	0,9970	11,0889	0,9940	3,3200
2002	3,41	0,9510	11,6281	0,9044	3,2429
Jumlah	16,55	7,7361	455,0035	7,4840	15,9175

$$r = \frac{8(15,9175) - (16,55)(7,7361)}{\sqrt{8(455,0035) - (16,55)^2} \sqrt{8(7,4840) - (7,7361)^2}}$$

$$= \frac{-0,6927}{9,1167} = -0,0760$$

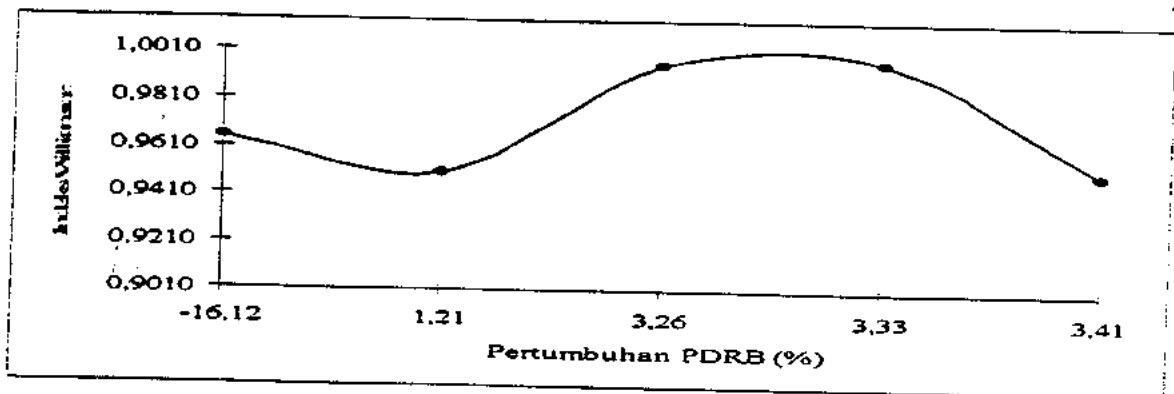
Tahun	Laju Pertumbuhan X	Indeks Theil Y	X <sup>2</sup>	Y <sup>2</sup>	XY
1995	8,18	0,4429	66,9124	0,1962	3,6229
1996	8,26	0,4495	68,2276	0,2021	3,7129
1997	5,02	0,4676	25,2004	0,2186	2,3474
1998	-16,12	0,4798	259,8544	0,2302	-7,7344
1999	1,21	0,4752	1,4641	0,2258	0,5750
2000	3,26	0,4963	10,6276	0,2463	1,6179
2001	3,33	0,4895	11,0889	0,2396	1,6300
2002	3,41	0,4511	11,6281	0,2035	1,5383
Jumlah	16,55	3,7519	455,0035	1,7623	7,3100

$$r = \frac{8(7,3100) - (16,55)(3,7519)}{\sqrt{8(455,0035) - (16,55)^2} \sqrt{8(1,7623) - (3,7519)^2}}$$

$$= \frac{-3,6141}{8,5339} = -0,4235$$

## Pembuktian hipotesis Kuznets

Tahun	Indek Williamson	Laju Pertumbuhan
1995	0,9446	8,18
1996	0,9537	8,26
1997	0,9788	5,02
1998	0,9652	-16,12
1999	0,9501	1,21
2000	0,9957	3,26
2001	0,9970	3,33
2002	0,9510	3,41
rata-rata	0,9670	2,07



Tahun	Indeks Theil	Laju Pertumbuhan
1995	0,4429	8,18
1996	0,4495	8,26
1997	0,4676	5,02
1998	0,4798	-16,12
1999	0,4752	1,21
2000	0,4963	3,26
2001	0,4895	3,33
2002	0,4511	3,41
rata-rata	0,4690	2,07

