

APPENDIX

A. Gross Regional Domestik Product Based on sector/sub sector at Constant Market Prices by Districts, 2010-2016 (Million Rupiah)

1. GRDP of Pematang District

Business Field	Year						
	2010	2011	2012	2013	2014	2015	2016
Agriculture, Forestry and Fisheries	3.248.405,73	3.322.731	3.455.924	3.680.933,28	3.612.139,81	3.763.228,26	3.850.7
Mining and Excavation	519.077,91	543.007	571.189	600.719,99	638.084,77	656.263,08	715.2
Processing Industry	1.993.801,68	2.141.096	2.316.429	2.472.070,49	2.810.141,65	3.015.527,05	3.185.8
Electricity and Gas	13.162,8	14.211	15.158	15.944	18.036,82	19.579,23	22.4
Water Supply, Waste Management, and Recycling	10.338,74	10.984	11.177	11.791,94	12.642,14	12.935,89	13.2
Construction	488.103,68	498.403	528.905	559.369,84	585.324,60	617.993,54	662.2
Wholesale and retail trade	1.936.221,34	2.060.119	2.118.197	2.185.406,25	2.317.609,80	2.420.232,68	2.603.4
Transportation and Warehousing	326.133,55	338.414	367.454	389.201,63	411.165,21	434.021,95	462.4
Provision of Accommodation and Meals	625.632,76	651.220	688.784	711.838,36	759.004,66	808.886,30	861.5
Information and Communication	222.033,01	242.016	267.670	293.660,40	333.187,09	363.177,09	383.5
Financial Services and Insurance	331.028,44	348.526	357.963	371.375,48	393.784,29	427.009,97	463.3
Real Estate	195.742,83	208.016	220.559	235.733,75	251.857,94	269.812,96	286.5
Company Services	32.622,49	35.709	38.744	42.943,64	47.414,07	52.360,28	55.9
Mandatory Administration of Government, Defense and Social Security	445.278,10	461.397	465.688	475.653,89	476.414,94	498.969,52	505.0
Educational Services	456.312,32	515.815	586.998	633.468,34	697.828,72	757.180,33	807.6
Health Services and Social Activities	100.248,18	108.288	117.828	124.179,21	134.337,06	143.313,06	154.6
Other Services	338.052,52	347.248	348.567	367.773,13	399.695,84	413.205,02	429.7
Total GRDP	11.282.196,10	11.847.199	12.477.235	13.172.063,61	13.898.669,42	14.673.696,23	15.463.8

2. GRDP of Central Java Province

Business Field	Year						
	2010	2011	2012	2013	2014	2015	2016
Agriculture, Forestry and Fisheries	99.572.441	103.389.333	106.536.703	108.832.111	107.793.381	113.826.299	116.42
Mining and Excavation	13.346.393	13.054.134	13.745.874	14.594.164	15.566.649	16.278.165	19.36
Processing Industry	215.156.475	226.325.617	241.528.856	254.694.119	271.526.773	284.306.592	295.96
Electricity and Gas	636.382	683.057	751.160	813.605	866.488	887.584	92
Water Supply, Waste Management, and Recycling	543.236	555.544	547.795	549.040	567.980	577.262	58
Construction	64.423.248	65.862.380	70.034.623	73.465.919	76.681.877	81.286.113	86.58
Wholesale and retail trade	91.678.669	99.227.581	101.058.609	105.825.306	110.899.194	115.430.121	121.90
Transportation and Warehousing	18.644.273	19.522.427	20.818.469	22.760.151	24.868.281	26.780.920	28.09
Provision of Accommodation and Meals	18.772.500	19.818.724	20.871.605	21.812.570	23.471.641	25.064.275	26.66
Information and Communication	20.826.936	22.498.427	24.690.219	26.663.583	30.130.162	33.001.271	35.74
Financial Services and Insurance	17.234.332	17.947.553	18.588.738	19.311.455	20.106.852	21.636.626	23.60
Real Estate	10.670.140	11.319.281	11.934.423	12.853.218	13.776.864	14.822.295	15.82
Company Services	1.782.800	1.949.154	2.087.130	2.340.118	2.526.616	2.741.143	3.03
Mandatory Administration of Government, Defense and Social Security	19.764.882	20.272.588	20.373.580	20.912.828	21.075.647	22.194.695	22.72
Educational Services	16.352.073	19.361.911	22.760.884	24.930.587	27.266.220	29.324.082	31.56
Health Services and Social Activities	4.096.106	4.495.091	4.959.376	5.312.610	5.916.711	6.307.617	6.92
Other Services	9.723.735	9.985.328	10.055.072	10.983.733	11.917.818	12.300.031	13.36

Total GRDP	623.224.621	656.268.130	691.343.116	726.655.118	764.959.151	806.765.092	849.31
-------------------	-------------	-------------	-------------	-------------	-------------	-------------	--------

B. Location Quotient

2010

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.248.406	99.572.441	0,287923151	0,159769749	1,80211306
Mining and Excavation	519.078	13.346.393	0,046008584	0,02141506	2,1484219
Processing Industry	1.993.802	215.156.475	0,176721047	0,345231025	0,51189214
Electricity and Gas	13.164	636.382	0,001166776	0,001021112	1,14265303
Water Supply, Waste Management, and Recycling	10.339	543.236	0,000916376	0,000871653	1,05130825
Construction	488.104	64.423.248	0,043263176	0,103370833	0,41852402
Wholesale and retail trade	1.936.221	91.678.669	0,171617401	0,147103735	1,16664204
Transportation and Warehousing	326.134	18.644.273	0,028906918	0,029915815	0,96627546
Provision of Accommodation and Meals	625.633	18.772.500	0,055453096	0,030121564	1,84097668
Information and Communication	222.033	20.826.936	0,019679944	0,033418024	0,58890209
Financial Services and Insurance	331.028	17.234.332	0,029340778	0,027653485	1,06101558
Real Estate	195.743	10.670.140	0,017349708	0,017120858	1,01336675
Company Services	32.622	1.782.800	0,002891502	0,002860606	1,01080033
Mandatory Administration of Government, Defense and Social Security	445.278	19.764.882	0,039467322	0,031713898	1,24448031
Educational Services	456.312	16.352.073	0,040445342	0,026237848	1,54148853
Health Services and Social Activities	100.248	4.096.106	0,008885519	0,006572439	1,35193634

Other Services	338.053	9.723.735	0,029963359	0,015602297	1,9204454
----------------	---------	-----------	-------------	-------------	-----------

2011

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.322.731	103.389.333	0,280465511	0,157541298	1,7802666
Mining and Excavation	543.007	13.054.134	0,045834206	0,019891465	2,30421473
Processing Industry	2.141.096	226.325.617	0,18072591	0,344867603	0,52404432
Electricity and Gas	14.211	683.057	0,001199524	0,00104082	1,15247949
Water Supply, Waste Management, and Recycling	10.984	555.544	0,000927139	0,00084652	1,0952352
Construction	498.403	65.862.380	0,042069265	0,100358949	0,41918798
Wholesale and retail trade	2.060.119	99.227.581	0,173890793	0,151199756	1,15007324
Transportation and Warehousing	338.414	19.522.427	0,028564893	0,029747638	0,96024072
Provision of Accommodation and Meals	651.220	19.818.724	0,054968263	0,030199126	1,82019382
Information and Communication	242.016	22.498.427	0,020428118	0,034282371	0,59587822
Financial Services and Insurance	348.526	17.947.553	0,029418428	0,027347896	1,07571082
Real Estate	208.016	11.319.281	0,017558242	0,017247952	1,01798994
Company Services	35.709	1.949.154	0,00301413	0,002970057	1,01483906
Mandatory Administration of Government, Defense and Social Security	461.397	20.272.588	0,038945658	0,03089071	1,26075634
Educational Services	515.815	19.361.911	0,04353898	0,029503049	1,47574507
Health Services and Social Activities	108.288	4.495.091	0,009140388	0,006849474	1,33446572
Other Services	347.248	9.985.328	0,029310554	0,015215317	1,92638472

2012

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.455.924	106.536.703	0,276978375	0,154101054	1,79738144
Mining and Excavation	571.189	13.745.874	0,045778495	0,019882854	2,30241067
Processing Industry	2.316.429	241.528.856	0,185652445	0,349361772	0,53140458
Electricity and Gas	15.158	751.160	0,001214853	0,001086523	1,11811034
Water Supply, Waste Management, and Recycling	11.177	547.795	0,000895791	0,000792363	1,13053127
Construction	528.905	70.034.623	0,042389603	0,101302264	0,41844675
Wholesale and retail trade	2.118.197	101.058.609	0,16976495	0,146177211	1,16136399
Transportation and Warehousing	367.454	20.818.469	0,029449957	0,030113077	0,97797898
Provision of Accommodation and Meals	688.784	20.871.605	0,055203261	0,030189936	1,82853187
Information and Communication	267.670	24.690.219	0,021452671	0,035713409	0,60068955
Financial Services and Insurance	357.963	18.588.738	0,028689291	0,026887862	1,06699787
Real Estate	220.559	11.934.423	0,017676915	0,017262663	1,02399698
Company Services	38.744	2.087.130	0,003105175	0,00301895	1,02856131
Mandatory Administration of Government, Defense and Social Security	465.688	20.373.580	0,037323016	0,029469564	1,26649367
Educational Services	586.998	22.760.884	0,047045523	0,032922702	1,42896906
Health Services and Social Activities	117.828	4.959.376	0,009443439	0,007173538	1,31642705

Other Services	348.567	10.055.072	0,02793624	0,014544258	1,92077454
----------------	---------	------------	------------	-------------	------------

2013

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.680.933	108.832.111	0,279449583	0,14977134	1,86584151
Mining and Excavation	600.720	14.594.164	0,04560554	0,020084031	2,27073638
Processing Industry	2.472.090	254.694.119	0,187676495	0,350502064	0,53545047
Electricity and Gas	15.944	813.605	0,001210439	0,001119657	1,08107978
Water Supply, Waste Management, and Recycling	11.792	549.040	0,000895222	0,000755572	1,18482657
Construction	559.370	73.465.919	0,042466314	0,101101496	0,42003646
Wholesale and retail trade	2.185.406	105.825.306	0,165911963	0,14563347	1,13924336
Transportation and Warehousing	389.202	22.760.151	0,029547461	0,031321806	0,94335112
Provision of Accommodation and Meals	711.838	21.812.570	0,054041439	0,030017775	1,80031461
Information and Communication	293.660	26.663.583	0,022294149	0,036693587	0,60757617
Financial Services and Insurance	371.375	19.311.455	0,028194133	0,026575819	1,06089424
Real Estate	235.734	12.853.218	0,017896466	0,017688196	1,01177454
Company Services	42.944	2.340.118	0,003260201	0,003220398	1,01235977
Mandatory Administration of Government, Defense and Social Security	475.654	20.912.828	0,036110755	0,028779579	1,25473536
Educational Services	633.468	24.930.587	0,048091734	0,034308693	1,40173611

Health Services and Social Activities	124.179	5.312.610	0,009427454	0,007311047	1,28948066
Other Services	367.773	10.983.733	0,02792065	0,015115469	1,84715735

2014

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.612.140	107.793.381	0,259891052	0,140913905	1,8443251
Mining and Excavation	638.085	15.566.649	0,045909774	0,020349647	2,25604766
Processing Industry	2.810.142	271.526.773	0,202187819	0,354955912	0,56961389
Electricity and Gas	18.037	866.488	0,001297737	0,001132725	1,14567725
Water Supply, Waste Management, and Recycling	12.642	567.980	0,000909594	0,000742497	1,22504632
Construction	585.325	76.681.877	0,042113715	0,1002431	0,42011585
Wholesale and retail trade	2.317.610	110.899.194	0,16675048	0,144974007	1,1502095
Transportation and Warehousing	411.165	24.868.281	0,029583063	0,032509292	0,9099879
Provision of Accommodation and Meals	759.005	23.471.641	0,054609879	0,030683522	1,77977871
Information and Communication	333.187	30.130.162	0,023972589	0,039387935	0,60862771
Financial Services and Insurance	393.784	20.106.852	0,028332517	0,02628487	1,07790213
Real Estate	251.858	13.776.864	0,018121011	0,018009934	1,00616756
Company Services	47.414	2.526.616	0,003411411	0,003302942	1,03284007
Mandatory Administration of Government, Defense and Social Security	476.415	21.075.647	0,034277737	0,027551336	1,24414066

Educational Services	697.829	27.266.220	0,050208311	0,035644021	1,40860402
Health Services and Social Activities	134.337	5.916.711	0,009665462	0,007734675	1,24962738
Other Services	399.696	11.917.818	0,028757849	0,015579679	1,84585634

2015

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.763.228	113.826.299	0,256460827	0,141089767	1,81771387
Mining and Excavation	656.263	16.278.165	0,044723774	0,020177081	2,21656313
Processing Industry	3.015.527	284.306.592	0,205505621	0,35240319	0,58315482
Electricity and Gas	19.579	887.584	0,001334308	0,001100177	1,21281214
Water Supply, Waste Management, and Recycling	12.936	577.262	0,00088157	0,000715526	1,23205802
Construction	617.994	81.286.113	0,042115738	0,100755615	0,41799891
Wholesale and retail trade	2.420.233	115.430.121	0,164936812	0,143077733	1,15277764
Transportation and Warehousing	434.022	26.780.920	0,029578229	0,033195438	0,89103296
Provision of Accommodation and Meals	808.886	25.064.275	0,055124918	0,031067625	1,77435251
Information and Communication	363.177	33.001.271	0,024750212	0,040905676	0,60505569
Financial Services and Insurance	427.010	21.636.626	0,029100369	0,026818991	1,08506573
Real Estate	269.813	14.822.295	0,018387525	0,018372504	1,00081758
Company Services	52.360	2.741.143	0,003568309	0,003397696	1,05021415
Mandatory Administration of Government, Defense and Social	498.970	22.194.695	0,034004351	0,027510728	1,23603968

Security					
Educational Services	757.180	29.324.082	0,0516012	0,036347733	1,41965388
Health Services and Social Activities	143.313	6.307.617	0,009766664	0,007818406	1,2491886
Other Services	413.205	12.300.031	0,028159573	0,015246112	1,84700032

2016

Business Field	Si	Ni	Si/S	Ni/N	LQ
Agriculture, Forestry and Fisheries	3.850.772	116.421.116	0,249018452	0,137076777	1,81663486
Mining and Excavation	715.206	19.367.597	0,046250355	0,022803834	2,02818327
Processing Industry	3.185.813	295.960.836	0,206017492	0,348470784	0,59120449
Electricity and Gas	22.419	928.106	0,001449779	0,001092772	1,32669773
Water Supply, Waste Management, and Recycling	13.284	589.805	0,000859018	0,00069445	1,23697735
Construction	662.286	86.589.002	0,042828162	0,101951792	0,42008248
Wholesale and retail trade	2.603.495	121.904.859	0,168360622	0,143533456	1,17297129
Transportation and Warehousing	462.444	28.097.072	0,029904912	0,033082109	0,90396027
Provision of Accommodation and Meals	861.504	26.668.737	0,055710997	0,031400356	1,77421544
Information and Communication	383.544	35.742.556	0,024802678	0,04208407	0,58936024
Financial Services and Insurance	463.368	23.607.779	0,029964721	0,027796317	1,07801048
Real Estate	286.552	15.829.478	0,018530491	0,018637975	0,99423309
Company Services	55.942	3.032.330	0,003617629	0,003570332	1,01324713

Mandatory Administration of Government, Defense and Social Security	505.060	22.720.444	0,032660822	0,026751549	1,22089462
Educational Services	807.636	31.563.635	0,052227507	0,037163717	1,40533593
Health Services and Social Activities	154.697	6.929.496	0,010003795	0,008158941	1,22611445
Other Services	429.779	13.360.351	0,027792569	0,01573077	1,76676462

LQ Result

Business Field	2010	2011	2012	2013	2014	2015	2016	LQ Average
Agriculture, Forestry and Fisheries	1,80211306	1,78026660	1,79738144	1,86584151	1,84432510	1,81771387	1,81663486	1,817753
Mining and Excavation	2,14842190	2,30421473	2,30241067	2,27073638	2,25604766	2,21656313	2,02818327	2,218082
Processing Industry	0,51189214	0,52404432	0,53140458	0,53545047	0,56961389	0,58315482	0,59120449	0,5495378
Electricity and Gas	1,14265303	1,15247949	1,11811034	1,08107978	1,14567725	1,21281214	1,32669773	1,168501
Water Supply, Waste Management, and Recycling	1,05130825	1,09523520	1,13053127	1,18482657	1,22504632	1,23205802	1,23697735	1,1651404
Construction	0,41852402	0,41918798	0,41844675	0,42003646	0,42011585	0,41799891	0,42008248	0,419198
Wholesale and retail trade	1,16664204	1,15007324	1,16136399	1,13924336	1,15020950	1,15277764	1,17297129	1,1561830
Transportation and Warehousing	0,96627546	0,96024072	0,97797898	0,94335112	0,90998790	0,89103296	0,90396027	0,9361182
Provision of Accommodation and Meals	1,84097668	1,82019382	1,82853187	1,80031461	1,77977871	1,77435251	1,77421544	1,8026233
Information and Communication	0,58890209	0,59587822	0,60068955	0,60757617	0,60862771	0,60505569	0,58936024	0,599441
Financial Services and Insurance	1,06101558	1,07571082	1,06699787	1,06089424	1,07790213	1,08506573	1,07801048	1,072228
Real Estate	1,01336675	1,01798994	1,02399698	1,01177454	1,00616756	1,00081758	0,99423309	1,009763

Company Services	1,01080033	1,01483906	1,02856131	1,01235977	1,03284007	1,05021415	1,01324713	1,023265
Mandatory Administration of Government, Defense and Social Security	1,24448031	1,26075634	1,26649367	1,25473536	1,24414066	1,23603968	1,22089462	1,246791
Educational Services	1,54148853	1,47574507	1,42896906	1,40173611	1,40860402	1,41965388	1,40533593	1,440218
Health Services and Social Activities	1,35193634	1,33446572	1,31642705	1,28948066	1,24962738	1,24918860	1,22611445	1,288177
Other Services	1,92044540	1,92638472	1,92077454	1,84715735	1,84585634	1,84700032	1,76676462	1,867769

Explanation :

Si : The GRDP of sector/sub sector-i of Pemalang District

S : Total GRDP of Pemalang District

Ni : The GRDP of sector/sub sector-i of Central Java Province

N : Total GRDP of Central Java Province

C. Shift-Share

2010-2011

Business Field	E _{ij}	E* _{ij}	E _{in}	E* _{in}	E _n	E* _n	r _{ij}	r _{in}	r _n
1	3.248.406	3.322.731	99.572.441	103.389.333	623.224.621	656.268.130	2,28805	3,833281368	0,05302022
2	519.078	543.007	13.346.393	13.054.134	623.224.621	656.268.130	4,60992	-2,189793217	0,05302022
3	1.993.802	2.141.096	215.156.475	226.325.617	623.224.621	656.268.130	7,38761	5,191171812	0,05302022
4	13.164	14.211	636.382	683.057	623.224.621	656.268.130	7,95515	7,334468247	0,05302022
5	10.339	10.984	543.236	555.544	623.224.621	656.268.130	6,24119	2,265763542	0,05302022
6	488.104	498.403	64.423.248	65.862.380	623.224.621	656.268.130	2,11007	2,233869675	0,05302022
7	1.936.221	2.060.119	91.678.669	99.227.581	623.224.621	656.268.130	6,39894	8,234098206	0,05302022
8	326.134	338.414	18.644.273	19.522.427	623.224.621	656.268.130	3,76547	4,710046243	0,05302022
9	625.633	651.220	18.772.500	19.818.724	623.224.621	656.268.130	4,08982	5,57317321	0,05302022
10	222.033	242.016	20.826.936	22.498.427	623.224.621	656.268.130	9,00001	8,02562541	0,05302022

11	331.028	348.526	17.234.332	17.947.553	623.224.621	656.268.130	5,28582	4,13836888	0,05302022
12	195.743	208.016	10.670.140	11.319.281	623.224.621	656.268.130	6,27005	6,08371383	0,05302022
13	32.622	35.709	1.782.800	1.949.154	623.224.621	656.268.130	9,46129	9,331034819	0,05302022
14	445.278	461.397	19.764.882	20.272.588	623.224.621	656.268.130	3,61996	2,56872852	0,05302022
15	456.312	515.815	16.352.073	19.361.911	623.224.621	656.268.130	13,03990	18,40646153	0,05302022
16	100.248	108.288	4.096.106	4.495.091	623.224.621	656.268.130	8,01992	9,740600022	0,05302022
17	338.053	347.248	9.723.735	9.985.328	623.224.621	656.268.130	2,72013	2,690244677	0,05302022

Business Field	Nij	Mij	Cij	Dij
1	176171,9396	12560790,89	-5134375,618	7602587,215
2	28790,35239	-1217863,398	3692293,299	2503220,253
3	113521,388	11001275,81	4702787,994	15817585,2
4	753,4703933	103476,6579	8820,504541	113050,6328
5	582,3741327	24304,77262	43666,04097	68553,18772
6	26425,43835	1086941,909	-61703,08094	1051664,266
7	109227,9694	16853994,19	-3780642,354	13182579,81
8	17942,78585	1576002,803	-319658,9645	1274286,625
9	34527,82982	3594834,028	-965990,7078	2663371,15
10	12831,74236	1929498,017	235816,3226	2178146,082
11	18478,92635	1423850,226	399915,7608	1842244,913
12	11029,05477	1254480,761	38760,55279	1304270,369

13	1893,299154	331308,6232	4651,459123	337853,3815
14	24463,37197	1160740,261	485036,1798	1670239,813
15	27348,62648	9466980,328	-2768151,83	6726177,125
16	5741,45394	1049048,641	-186329,4127	868460,6824
17	18411,1665	915770,9171	10378,85004	944560,9336

2011-2012

Business Field	E _{ij}	E* _{ij}	E _{in}	E* _{in}	E _n	E* _n	r _{ij}	r _{in}	r _n
1	3.322.731	3.455.924	103.389.333	106.536.703	656.268.130	691.343.116	4,00854	3,044192393	0,053446121
2	543.007	571.189	13.054.134	13.745.874	656.268.130	691.343.116	5,18999	5,299011473	0,053446121
3	2.141.096	2.316.429	226.325.617	241.528.856	656.268.130	691.343.116	8,18894	6,717418617	0,053446121
4	14.211	15.158	683.057	751.160	656.268.130	691.343.116	6,66385	9,97033163	0,053446121
5	10.984	11.177	555.544	547.795	656.268.130	691.343.116	1,75710	-1,394924648	0,053446121
6	498.403	528.905	65.862.380	70.034.623	656.268.130	691.343.116	6,11995	6,334789329	0,053446121
7	2.060.119	2.118.197	99.227.581	101.058.609	656.268.130	691.343.116	2,81916	1,845281094	0,053446121
8	338.414	367.454	19.522.427	20.818.469	656.268.130	691.343.116	8,58121	6,638734311	0,053446121
9	651.220	688.784	19.818.724	20.871.605	656.268.130	691.343.116	5,76825	5,312555117	0,053446121
10	242.016	267.670	22.498.427	24.690.219	656.268.130	691.343.116	10,60013	9,741978238	0,053446121

11	348.526	357.963	17.947.553	18.588.738	656.268.130	691.343.116	2,70769	3,572550497	0,053446121
12	208.016	220.559	11.319.281	11.934.423	656.268.130	691.343.116	6,02982	5,434460629	0,053446121
13	35.709	38.744	1.949.154	2.087.130	656.268.130	691.343.116	8,49926	7,078797788	0,053446121
14	461.397	465.688	20.272.588	20.373.580	656.268.130	691.343.116	0,93000	0,498168729	0,053446121
15	515.815	586.998	19.361.911	22.760.884	656.268.130	691.343.116	13,80010	17,55494384	0,053446121
16	108.288	117.828	4.495.091	4.959.376	656.268.130	691.343.116	8,80984	10,3287064	0,053446121
17	347.248	348.567	9.985.328	10.055.072	656.268.130	691.343.116	0,37984	0,69847137	0,053446121

Business Field	Nij	Mij	Cij	Dij
1	184705,7332	10335791,82	3332711,91	13853209,46
2	30527,83655	2996209,228	-62272,81262	2964464,251
3	123804,1452	15436619,14	3408667,581	18969090,87
4	810,136306	150320,1505	-50119,61905	101010,6678
5	597,3672973	16188,44009	35230,19333	19639,12054
6	28267,92076	3322233,829	-113631,1234	3236870,627
7	113209,4137	3795459,464	2062862,153	5971531,031
8	19638,99104	2419790,487	713768,7234	3153198,201
9	36812,83318	3622390,13	313875,5929	3973078,557
10	14305,92328	2593329,392	229700,3076	2837335,622

11	19131,7339	1259709,16	-309588,4329	969252,4606
12	11788,02306	1186831,179	131312,8884	1329932,09
13	2070,716522	272190,225	55034,3062	329295,2477
14	24889,21731	207101,9819	201099,4381	433090,6373
15	31372,76628	10273344,16	-2204084,209	8100632,714
16	6297,449575	1210713,368	-178964,9399	1038045,878
17	18629,55415	224834,5159	-111063,0561	132401,014

2012-2013

Business Field	E _{ij}	E* _{ij}	E _{in}	E* _{in}	E _n	E* _n	r _{ij}	r _{in}	r _n
1	3.455.924	3.680.933	106.536.703	108.832.111	691.343.116	726.655.118	6,51083	2,154569615	0,0510774
2	571.189	600.720	13.745.874	14.594.164	691.343.116	726.655.118	5,17009	6,171231651	0,0510774
3	2.316.429	2.472.090	241.528.856	254.694.119	691.343.116	726.655.118	6,71989	5,45080337	0,0510774
4	15.158	15.944	751.160	813.605	691.343.116	726.655.118	5,18538	8,313063081	0,0510774
5	11.177	11.792	547.795	549.040	691.343.116	726.655.118	5,50183	0,227371116	0,0510774
6	528.905	559.370	70.034.623	73.465.919	691.343.116	726.655.118	5,75998	4,899429183	0,0510774
7	2.118.197	2.185.406	101.058.609	105.825.306	691.343.116	726.655.118	3,17295	4,716765542	0,0510774
8	367.454	389.202	20.818.469	22.760.151	691.343.116	726.655.118	5,91846	9,326729903	0,0510774

9	688.784	711.838	20.871.605	21.812.570	691.343.116	726.655.118	3,34711	4,508352027	0,0510774
10	267.670	293.660	24.690.219	26.663.583	691.343.116	726.655.118	9,70987	7,992491992	0,0510774
11	357.963	371.375	18.588.738	19.311.455	691.343.116	726.655.118	3,74689	3,887927588	0,0510774
12	220.559	235.734	11.934.423	12.853.218	691.343.116	726.655.118	6,88013	7,698696266	0,0510774
13	38.744	42.944	2.087.130	2.340.118	691.343.116	726.655.118	10,83946	12,12132873	0,0510774
14	465.688	475.654	20.373.580	20.912.828	691.343.116	726.655.118	2,14004	2,646802605	0,0510774
15	586.998	633.468	22.760.884	24.930.587	691.343.116	726.655.118	7,91661	9,532598384	0,0510774
16	117.828	124.179	4.959.376	5.312.610	691.343.116	726.655.118	5,39024	7,122546448	0,0510774
17	348.567	367.773	10.055.072	10.983.733	691.343.116	726.655.118	5,51003	9,235741527	0,0510774

Business Field	Nij	Mij	Cij	Dij
1	188012,4655	7742814,536	16035097,8	23965924,8
2	30683,20933	3676499,006	-601405,3155	3105776,9
3	126267,9306	13348611,24	3137297,979	16612177,15
4	814,3779094	131729,0999	-49867,76857	82675,7092
5	602,3015206	2078,845036	62196,15132	64877,29788
6	28571,15159	2712021,767	481368,0533	3221960,972
7	111624,8478	10196424,05	-3373872,564	6934176,331
8	19879,40352	3610099,077	-1326502,932	2303475,549
9	36358,84568	3172859,067	-826616,4279	2382601,485

10	14999,40684	2332078,988	504324,9223	2851403,318
11	18968,8903	1424912,084	-52377,88641	1391503,088
12	12040,66473	1802801,876	-192963,2601	1621879,281
13	2193,449057	518340,5283	-55048,15168	465485,8256
14	24295,15934	1234666,796	-241045,5934	1017916,362
15	32355,90958	6006243,364	-1023677,734	5014921,54
16	6342,749964	878129,4411	-215116,6556	669355,5355
17	18784,89167	3377872,678	-1370218,306	2026439,263

2013-2014

Business Field	Eij	E*ij	Ein	E*in	En	E*n	rij	rin	rn
1	3.680.933	3.612.140	108.832.111	107.793.381	726.655.118	764.959.151	-1,86891	-0,954433076	0,0527128
2	600.720	638.085	14.594.164	15.566.649	726.655.118	764.959.151	6,22000	6,663518285	0,0527128
3	2.472.090	2.810.142	254.694.119	271.526.773	726.655.118	764.959.151	13,67471	6,608968554	0,0527128
4	15.944	18.037	813.605	866.488	726.655.118	764.959.151	13,12607	6,499925068	0,0527128
5	11.792	12.642	549.040	567.980	726.655.118	764.959.151	7,21001	3,449589251	0,0527128

6	559.370	585.325	73.465.919	76.681.877	726.655.118	764.959.151	4,64000	4,377481773	0,0527128
7	2.185.406	2.317.610	105.825.306	110.899.194	726.655.118	764.959.151	6,04938	4,794587842	0,0527128
8	389.202	411.165	22.760.151	24.868.281	726.655.118	764.959.151	5,64324	9,26237169	0,0527128
9	711.838	759.005	21.812.570	23.471.641	726.655.118	764.959.151	6,62598	7,606031826	0,0527128
10	293.660	333.187	26.663.583	30.130.162	726.655.118	764.959.151	13,46000	13,00117299	0,0527128
11	371.375	393.784	19.311.455	20.106.852	726.655.118	764.959.151	6,03400	4,118782599	0,0527128
12	235.734	251.858	12.853.218	13.776.864	726.655.118	764.959.151	6,84000	7,186102516	0,0527128
13	42.944	47.414	2.340.118	2.526.616	726.655.118	764.959.151	10,40999	7,96956342	0,0527128
14	475.654	476.415	20.912.828	21.075.647	726.655.118	764.959.151	0,16000	0,778556334	0,0527128
15	633.468	697.829	24.930.587	27.266.220	726.655.118	764.959.151	10,16000	9,368542827	0,0527128
16	124.179	134.337	5.312.610	5.916.711	726.655.118	764.959.151	8,17999	11,37107434	0,0527128
17	367.773	399.696	10.983.733	11.917.818	726.655.118	764.959.151	8,68000	8,504259445	0,0527128

Business Field	Nij	Mij	Cij	Dij
1	190406,0381	-3637951,747	-3303232,226	-6750777,935
2	33635,241	4218254,291	-283002,6216	3968886,911
3	148130,4618	18424007,34	19855729,16	38427866,96
4	950,7714586	116287,207	119514,5155	236752,4939
5	666,4027189	42943,78753	47539,75987	91149,95012
6	30854,1042	2531393,664	153658,3158	2715906,084
7	122167,7241	10989816,05	2908120,871	14020104,64

8	21673,67343	3786691,328	-1488061,259	2320303,742
9	40009,26814	5733004,332	-743860,4231	5029153,177
10	17563,22764	4314259,767	152875,2548	4484698,25
11	20757,47631	1601154,405	754183,9596	2376095,841
12	13276,13964	1796600,837	-87168,50647	1722708,47
13	2499,328845	375370,109	115710,708	493580,1459
14	25113,17003	345802,699	-294689,1004	76226,7686
15	36784,51246	6500853,737	552301,1779	7089939,427
16	7081,283867	1520475,413	-428680,5602	1098876,136
17	21069,09072	3378048,032	70243,02049	3469360,143

2014-2015

Business Field	E _{ij}	E* _{ij}	E _{in}	E* _{in}	E _n	E* _n	r _{ij}	r _{in}	r _n
1	3.612.140	3.763.228	107.793.381	113.826.299	764.959.151	806.765.092	4,18280	5,596742676	0,0546512
2	638.085	656.263	15.566.649	16.278.165	764.959.151	806.765.092	2,84889	4,570771894	0,0546512
3	2.810.142	3.015.527	271.526.773	284.306.592	764.959.151	806.765.092	7,30872	4,706651621	0,0546512
4	18.037	19.579	866.488	887.584	764.959.151	806.765.092	8,55145	2,434662995	0,0546512

5	12.642	12.936	567.980	577.262	764.959.151	806.765.092	2,32358	1,634141817	0,0546512
6	585.325	617.994	76.681.877	81.286.113	764.959.151	806.765.092	5,58134	6,004334823	0,0546512
7	2.317.610	2.420.233	110.899.194	115.430.121	764.959.151	806.765.092	4,42796	4,085626878	0,0546512
8	411.165	434.022	24.868.281	26.780.920	764.959.151	806.765.092	5,55902	7,691081499	0,0546512
9	759.005	808.886	23.471.641	25.064.275	764.959.151	806.765.092	6,57198	6,78535457	0,0546512
10	333.187	363.177	30.130.162	33.001.271	764.959.151	806.765.092	9,00095	9,529022065	0,0546512
11	393.784	427.010	20.106.852	21.636.626	764.959.151	806.765.092	8,43753	7,608224934	0,0546512
12	251.858	269.813	13.776.864	14.822.295	764.959.151	806.765.092	7,12903	7,588313094	0,0546512
13	47.414	52.360	2.526.616	2.741.143	764.959.151	806.765.092	10,43195	8,490695549	0,0546512
14	476.415	498.970	21.075.647	22.194.695	764.959.151	806.765.092	4,73423	5,309674642	0,0546512
15	697.829	757.180	27.266.220	29.324.082	764.959.151	806.765.092	8,50518	7,547294142	0,0546512
16	134.337	143.313	5.916.711	6.307.617	764.959.151	806.765.092	6,68170	6,606823889	0,0546512
17	399.696	413.205	11.917.818	12.300.031	764.959.151	806.765.092	3,37987	3,20706911	0,0546512

Business Field	Nij	Mij	Cij	Dij
1	205664,9682	20856155,23	-5321002,993	15740817,21
2	35865,5697	2963763,271	-1130009,902	1869618,939
3	164802,1943	14028233,08	7846609,215	22039644,49
4	1070,02856	46598,7982	119762,0183	167430,845
5	706,9620074	20432,11678	8918,472285	30057,55108

6	33774,09313	3676866,04	-261409,7608	3449230,372
7	132268,6382	9755899,049	828530,5199	10716698,21
8	23719,82361	3314378,366	-925363,2056	2412734,984
9	44206,61295	5444373,739	-172595,1754	5315985,177
10	19848,06647	3440874,438	-191784,0441	3268938,46
11	23336,61044	3225451,291	354122,8754	3602910,776
12	14745,60404	2032679,613	-123921,3989	1923503,818
13	2861,552522	441713,6438	101644,3974	546219,5938
14	27269,28673	2622096,521	-287129,2336	2362236,574
15	41380,81926	5673281,85	725294,6385	6439957,307
16	7832,231767	939011,9166	10730,79527	957574,9436
17	22582,15325	1302594,903	71400,14954	1396577,205

2015-2016

Business Field	E_{ij}	E*_{ij}	E_{in}	E*_{in}	E_n	E*_n	r_{ij}	r_{in}	r_n
1	3.763.228	3.850.772	113.826.299	116.421.116	806.765.092	849.313.200	2,32629	2,27962905	0,0527392
2	656.263	715.206	16.278.165	19.367.597	806.765.092	849.313.200	8,98164	18,9789967	0,0527392

3	3.015.527	3.185.813	284.306.592	295.960.836	806.765.092	849.313.200	5,64698	4,099181763	0,0527392
4	19.579	22.419	887.584	928.106	806.765.092	849.313.200	14,50445	4,565394724	0,0527392
5	12.936	13.284	577.262	589.805	806.765.092	849.313.200	2,68864	2,172940009	0,0527392
6	617.994	662.286	81.286.113	86.589.002	806.765.092	849.313.200	7,16716	6,52373312	0,0527392
7	2.420.233	2.603.495	115.430.121	121.904.859	806.765.092	849.313.200	7,57210	5,60922723	0,0527392
8	434.022	462.444	26.780.920	28.097.072	806.765.092	849.313.200	6,54844	4,914511249	0,0527392
9	808.886	861.504	25.064.275	26.668.737	806.765.092	849.313.200	6,50492	6,401388674	0,0527392
10	363.177	383.544	33.001.271	35.742.556	806.765.092	849.313.200	5,60789	8,306602792	0,0527392
11	427.010	463.368	21.636.626	23.607.779	806.765.092	849.313.200	8,51467	9,110259461	0,0527392
12	269.813	286.552	14.822.295	15.829.478	806.765.092	849.313.200	6,20388	6,795052754	0,0527392
13	52.360	55.942	2.741.143	3.032.330	806.765.092	849.313.200	6,84108	10,62284437	0,0527392
14	498.970	505.060	22.194.695	22.720.444	806.765.092	849.313.200	1,22070	2,368804143	0,0527392
15	757.180	807.636	29.324.082	31.563.635	806.765.092	849.313.200	6,66359	7,637249915	0,0527392
16	143.313	154.697	6.307.617	6.929.496	806.765.092	849.313.200	7,94319	9,859169229	0,0527392
17	413.205	429.779	12.300.031	13.360.351	806.765.092	849.313.200	4,01102	8,620468749	0,0527392

Business Field	Nij	Mij	Cij	Dij
1	203086,4369	8575244,574	179662,9928	8957994,004
2	37719,3723	13536177,88	-7150172,892	6423724,358
3	168017,1005	12891211,13	4931012,288	17990240,52

4	1182,363815	101169,6314	222824,6176	325176,6128
5	700,570558	28164,09091	6850,448837	35715,1103
6	34928,41053	4285649,681	426135,3045	4746713,396
7	137306,1256	14466289,43	5110326,524	19713922,08
8	24388,88373	2248295,39	755598,0844	3028282,359
9	45434,97747	5469385,306	89196,17065	5604016,454
10	20227,76773	3165717,069	-1035074,363	2150870,475
11	24437,66059	4196969,327	-275976,2719	3945430,716
12	15112,50025	1932022,233	-169402,9309	1777731,803
13	2950,348986	591315,8914	-211560,4142	382705,8263
14	26636,45977	1169752,803	-579862,0779	616527,1849
15	42594,02531	6125522,038	-786359,6494	5381756,414
16	8158,572387	1517022,274	-296395,4992	1228785,347
17	22666,16668	3682228,03	-1981044,739	1723849,458

Explanation :

Result

E_{ij} : The GRDP of sector/sub sector-i in region j (District)

E_{in} : The GRDP of sector/sub sector-i in region n (Province)

E_n : Total income in region n (Province)

E^*_{ij} : Last year GRDP of sector/sub sector-i in region j (District)

E^*_{ij} : Last year GRDP of sector/sub sector-i in region j (Province)

E^*_n : Last year total income in region n (Province)

r_{ij} : The growth rate of sector i in region j (District)

r_{in} : The growth rate of sector i in region n (Province)

r_n : The growth rate of total income in region n (Province)

N_{ij} : The Influence of Economic Growth Reference

M_{ij} : The mix industry of sector i in region j

C_{ij} : Competitive advantage of sector i in the region j

D_{ij} : Changes in sector i output variables in region j

“Business Field” Column

- | | |
|--|---|
| 1. Agriculture, Forestry and Fisheries | 8. Transportation and Warehousing |
| 2. Mining and Excavation | 9. Provision of Accommodation and Meals |
| 3. Processing Industry | 10. Information and Communication |
| 4. Electricity and Gas | 11. Financial Services and Insurance |
| 5. Water Supply, Waste Management, and Recycling | 12. Real Estate |
| 6. Construction | 13. Company Services |
| 7. Wholesale and retail trade | |

14. Mandatory Administration of Government, Defense and Social Security
15. Educational Services

16. Health Services and Social Activities
17. Other Services

D. *Klassen Typology*

Calculation Result

Proportion Growth	$\frac{Xi}{X} \geq 1$	$\frac{Xi}{X} < 1$
$\frac{\Delta Xi}{\Delta X} \geq 1$	<p>Developed Sectors :</p> <p>Agriculture, Forestry and Fisheries (1,82 & 1,09)</p> <p>Electricity and Gas (1,17 & 1,43)</p> <p>Wholesale and retail trade (1,15 & 1,04)</p> <p>Financial Services and Insurance (1,07 & 1,07)</p> <p>Company Services (1,03 & 1,02)</p>	<p>Growing Sectors :</p> <p>Processing Industry (0,56 & 1,49)</p> <p>Construction (0,42 & 1,03)</p> <p>Information and Communication (0,60 & 1,01)</p>
$\frac{\Delta Xi}{\Delta X} < 1$	<p>Potential Sectors :</p> <p>Mining and Excavation (2,23 & 0,84)</p> <p>Provision of Accommodation and Meals (1,80 & 0,91)</p> <p>Real Estate (1,01 & 0,96)</p> <p>Mandatory Administration of Government, Defense and Social Security (1,25 & 0,90)</p> <p>Educational Services (1,42 & 0,86)</p> <p>Health Services and Social Activities (1,28 & 0,82)</p> <p>Other Services (1,86 & 0,75)</p>	<p>Underdeveloped Sectors :</p> <p>Transportation and Warehousing (0,93 & 0,85)</p>

Proportion and Growth Rate of Each Sector of Pemalang District 2011-2016

Business Field	Proportion						Proportion Average
	2011	2012	2013	2014	2015	2016	
1	28,04655108	27,69783752	27,94495834	25,98910517	25,64608266	24,90184525	26,70439667
2	4,583420555	4,577849546	4,560554027	4,590977389	4,472377447	4,625035458	4,56836907
3	18,07259099	18,56524451	18,76764953	20,21878186	20,55056209	20,60174919	19,46276303
4	0,119952394	0,121485259	0,121043872	0,129773718	0,133430798	0,144977878	0,128443986
5	0,09271389	0,089579149	0,089522207	0,090959355	0,088156997	0,085901845	0,089472241
6	4,206926531	4,238960334	4,246631407	4,211371483	4,211573765	4,282816159	4,233046613
7	17,38907928	16,97649495	16,5911963	16,67504803	16,49368125	16,83606224	16,82692701
8	2,856489297	2,944995662	2,954746122	2,95830628	2,957822922	2,990491229	2,943808585
9	5,496826254	5,520326059	5,40414395	5,460987938	5,512491798	5,57109965	5,494312608
10	2,042811804	2,145267132	2,229414939	2,397258904	2,475021186	2,480267758	2,295006954
11	2,941842798	2,868929123	2,819413319	2,833251719	2,910036871	2,9964721	2,894990988
12	1,755824161	1,767691461	1,789646625	1,812101091	1,838752528	1,853049116	1,802844164
13	0,301412992	0,310517539	0,326020099	0,341141073	0,356830885	0,361762878	0,332947578
14	3,894565805	3,732301566	3,611075542	3,427773738	3,400435125	3,266082212	3,555372331
15	4,353897967	4,704552307	4,809173387	5,020831127	5,16011998	5,22275068	4,878554242
16	0,91403876	0,944343915	0,942745382	0,966546193	0,976666396	1,000379494	0,957453357
17	2,931055439	2,793623971	2,79206495	2,875784927	2,815957303	2,77925687	2,831290577

Business Field	Growth						Growth Average
	2011	2012	2013	2014	2015	2016	
1	2,288053777	4,008539963	6,510828363	-1,868913799	4,182796291	2,326285411	2,907931668
2	4,609922622	5,189988343	5,170090811	6,219999438	2,848886363	8,981638888	5,503421077
3	7,38761139	8,188936881	6,7198904	13,67470816	7,308720541	5,646984994	8,154475395
4	7,955149729	6,663851946	5,185380657	13,12606623	8,551451974	14,50445191	9,331058742
5	6,241186063	1,757101238	5,501834124	7,210009549	2,323578128	2,688643766	4,287058811
6	2,11006809	6,119947111	5,759983362	4,639999897	5,581337261	7,167163916	5,22974994
7	6,398940939	2,819157534	3,172946142	6,049380979	4,427961946	7,572098812	5,073414392
8	3,765466632	8,581205269	5,918463263	5,643239469	5,559016046	6,548436087	6,002637795
9	4,089817803	5,768250361	3,34711027	6,625984584	6,571980731	6,504924116	5,484677977
10	9,000008602	10,60012561	9,709866627	13,46000005	9,000948986	5,607889528	9,563139902
11	5,285817738	2,707688953	3,746890042	6,034003645	8,437533148	8,514672386	5,787767652
12	6,270048308	6,029824629	6,880131847	6,840000636	7,129026784	6,203875455	6,558817943
13	9,461294953	8,49925789	10,83945901	10,40999319	10,43194562	6,841082592	9,413838877
14	3,619962446	0,930001712	2,140035818	0,160000794	4,734230207	1,220699813	2,134155132
15	13,03990214	13,80010275	7,916609597	10,15999947	8,505183048	6,663593599	10,01423177
16	8,019916172	8,809840426	5,390238313	8,179992448	6,681700493	7,943190942	7,504146466
17	2,720133546	0,3798438	5,510025332	8,68000063	3,379865049	4,011016129	4,113480748

Proportion and Growth Rate of Each Sector of Central Java Province 2011-2016

Business Field	Proportion						Proportion Average
	2011	2012	2013	2014	2015	2016	
1	15,75412978	15,41010544	14,97713397	14,09139047	14,10897672	13,70767774	14,67490235
2	1,989146454	1,98828541	2,008403118	2,034964719	2,017708129	2,2803834	2,053148538
3	34,48676029	34,93617718	35,05020643	35,49559121	35,24031905	34,84707838	35,00935543
4	0,10408202	0,108652299	0,111965717	0,113272493	0,110017696	0,109277249	0,109544579
5	0,084652037	0,07923633	0,075557225	0,074249727	0,071552635	0,069444962	0,075782152
6	10,03589488	10,13022637	10,11014958	10,02430999	10,07556152	10,19517916	10,09522025
7	15,11997557	14,61772112	14,563347	14,49740074	14,30777335	14,35334558	14,57659389
8	2,974763775	3,011307721	3,132180646	3,250929245	3,319543787	3,308210899	3,166156012
9	3,019912609	3,018993631	3,001777529	3,068352217	3,106762474	3,140035598	3,059305676
10	3,42823708	3,571340873	3,669358738	3,938793541	4,090567589	4,208406972	3,817784132
11	2,734789626	2,688786175	2,657581887	2,628486974	2,681899149	2,779631699	2,695195918
12	1,724795206	1,726266285	1,768819594	1,800993363	1,837250424	1,863797461	1,786987055
13	0,297005707	0,301895023	0,32203976	0,330294189	0,339769641	0,357033212	0,324672922
14	3,089070964	2,946956363	2,877957902	2,755133593	2,751072774	2,675154897	2,849224415
15	2,950304943	3,292270244	3,430869294	3,564402104	3,634773267	3,716371691	3,43149859
16	0,684947352	0,717353776	0,731104711	0,773467525	0,781840628	0,815894057	0,750768008
17	1,521531713	1,454425761	1,511546894	1,557967899	1,524611165	1,573077043	1,523860079

Business Field	Growth						Growth Average
	2011	2012	2013	2014	2015	2016	
1	3,833281368	3,044192393	2,154569615	-0,954433076	5,596742676	2,27962905	2,658997005
2	-2,18979322	5,299011473	6,171231651	6,663518285	4,570771894	18,9789967	6,582289465
3	5,191171812	6,717418617	5,45080337	6,608968554	4,706651621	4,099181763	5,462365956
4	7,334468247	9,97033163	8,313063081	6,499925068	2,434662995	4,565394724	6,519640958
5	2,265763542	-1,394924648	0,227371116	3,449589251	1,634141817	2,172940009	1,392480181
6	2,233869675	6,334789329	4,899429183	4,377481773	6,004334823	6,52373312	5,062272984
7	8,234098206	1,845281094	4,716765542	4,794587842	4,085626878	5,60922723	4,880931132
8	4,710046243	6,638734311	9,326729903	9,26237169	7,691081499	4,914511249	7,090579149
9	5,57317321	5,312555117	4,508352027	7,606031826	6,78535457	6,401388674	6,03114257
10	8,02562541	9,741978238	7,992491992	13,00117299	9,529022065	8,306602792	9,432815581
11	4,13836888	3,572550497	3,887927588	4,118782599	7,608224934	9,110259461	5,406018993
12	6,08371383	5,434460629	7,698696266	7,186102516	7,588313094	6,795052754	6,797723181
13	9,331034819	7,078797788	12,12132873	7,96956342	8,490695549	10,62284437	9,269044113
14	2,56872852	0,498168729	2,646802605	0,778556334	5,309674642	2,368804143	2,361789162
15	18,40646153	17,55494384	9,532598384	9,368542827	7,547294142	7,637249915	11,67451511
16	9,740600022	10,3287064	7,122546448	11,37107434	6,606823889	9,859169229	9,171486722
17	2,690244677	0,69847137	9,235741527	8,504259445	3,20706911	8,620468749	5,492709146

Explanation :

“Business Field”

1. Agriculture, Forestry and Fisheries
2. Mining and Excavation
3. Processing Industry
4. Electricity and Gas
5. Water Supply, Waste Management, and Recycling
6. Construction
7. Wholesale and retail trade
8. Transportation and Warehousing
9. Provision of Accommodation and Meals
10. Information and Communication
11. Financial Services and Insurance
12. Real Estate
13. Company Services
14. Mandatory Administration of Government, Defense and Social Security
15. Educational Services
16. Health Services and Social Activities
17. Other Services

E. Growth Ratio Model (GRM)

Business Field	RGR		SGR	
	Real	Nominal	Real	Nominal
Agriculture, Forestry and Fisheries	0,502255	-	1,09362	+
Mining and Excavation	1,243322	+	0,836095	-
Processing Industry	1,031781	+	1,492847	+
Electricity and Gas	1,231488	+	1,431223	+
Water Supply, Waste Management, and Recycling	0,263024	-	3,078722	+
Construction	0,956208	-	1,033083	+
Wholesale and retail trade	0,921954	-	1,039436	+
Transportation and Warehousing	1,339332	+	0,846565	-
Provision of Accommodation and Meals	1,139216	+	0,909393	-
Information and Communication	1,781755	+	1,013816	+
Financial Services and Insurance	1,021137	+	1,070615	+
Real Estate	1,284015	+	0,964855	-
Company Services	1,75082	+	1,015621	+
Mandatory Administration of Government, Defense and Social Security	0,446116	-	0,903618	-
Educational Services	2,205187	+	0,857786	-
Health Services and Social Activities	1,732393	+	0,818204	-
Other Services	1,037512	+	0,748898	-

F. Overlay Analysis

Business Field	GRM (SGR)		LQ	
	Real	Nominal	Real	Nominal
Agriculture, Forestry and Fisheries	1,093619761	+	1,820360565	+
Mining and Excavation	0,836095269	-	2,22969264	+
Processing Industry	1,492846774	+	0,555812097	-
Electricity and Gas	1,431222793	+	1,172809454	+
Water Supply, Waste Management, and Recycling	3,0787216	+	1,184112454	+
Construction	1,033083351	+	0,419311406	-
Wholesale and retail trade	1,039435766	+	1,154439836	+
Transportation and Warehousing	0,846565234	-	0,931091992	-
Provision of Accommodation and Meals	0,909392858	-	1,796231159	+
Information and Communication	1,013816057	+	0,60119793	-
Financial Services and Insurance	1,070615486	+	1,07409688	+
Real Estate	0,964855109	-	1,009163281	+
Company Services	1,015621326	+	1,025343582	+
Mandatory Administration of Government, Defense and Social Security	0,903617971	-	1,247176722	+
Educational Services	0,857785671	-	1,423340679	+
Health Services and Social Activities	0,818203928	-	1,277550641	+
Other Services	0,748898337	-	1,858989648	+