

Appendix 1

Data of GRDP, Government Expenditure, HDI, Worker and Investment per Province in Indonesia 2013-2018

Province	Year	GRDP (Y) (milliar Rp)	Government Expenditure (X1) (million Rp)	HDI (X2)	Worker (X3) (people)	Investment (X4) (Rp)
_Aceh	2013	111,756	11,220	68.3	1,842,671	4,784.60
_Aceh	2014	113,490	12,046	68.81	1,931,823	5,497.20
_Aceh	2015	112,666	12,149	69.45	1,966,018	4,484.90
_Aceh	2016	116,374	12,120	70	2,087,045	4,278.30
_Aceh	2017	121,241	13,833	70.6	2,138,512	1,095.00
_Aceh	2018	126,824	12,306	71.19	2,203,717	2,001.00
_sumut	2013	398,727	7,260	68.36	6,081,301	15,886.60
_sumut	2014	419,573	7,809	68.87	5,881,371	11,075.90
_sumut	2015	440,956	7,959	69.51	5,962,304	21,477.40
_sumut	2016	463,775	9,476	70	5,991,229	18,611.40
_sumut	2017	487,531	12,519	70.57	6,365,989	32,071.10
_sumut	2018	512,766	12,563	71.18	6,728,431	26,148.70
_sumbar	2013	125,941	3,113	68.91	2,061,109	1,791.90
_sumbar	2014	133,341	3,484	69.36	2,180,336	1,815.60
_sumbar	2015	140,719	4,022	69.98	2,184,599	2,340.20
_sumbar	2016	148,134	4,504	70.73	2,347,911	4,870.00
_sumbar	2017	155,976	5,760	71.24	2,344,972	4,133.20
_sumbar	2018	163,995	6,267	71.73	2,410,450	4,927.70
_riau	2013	436,188	7,525	69.91	2,479,493	20,779.70
_riau	2014	447,987	5,602	70.33	2,518,485	24,744.20
_riau	2015	448,992	7,761	70.84	2,554,296	18,956.70
_riau	2016	458,769	8,732	71.2	2,765,946	18,388.30
_riau	2017	471,082	9,189	71.79	2,781,021	25,110.10
_riau	2018	482,087	8,470	72.44	2,915,597	24,013.80
_jambi	2013	111,766	3,011	67.76	1,397,247	6,647.70
_jambi	2014	119,991	3,205	68.24	1,491,038	5,785.70
_jambi	2015	125,037	3,426	68.89	1,550,403	12,374.60
_jambi	2016	130,501	3,294	69.62	1,624,522	10,917.20

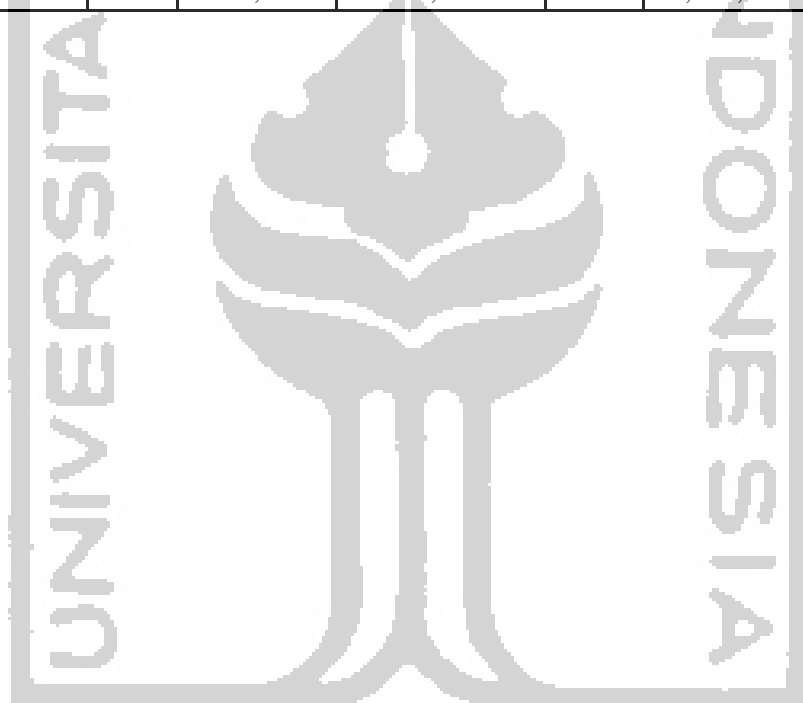
_jambi	2017	136,557	4,133	69.99	1,657,817	16,888.50
_jambi	2018	142,995	4,198	70.65	1,721,362	4,352.10
_sumsel	2013	232,175	5,679	66.16	3,524,883	3,814.10
_sumsel	2014	243,298	5,771	66.75	3,692,806	7,682.20
_sumsel	2015	254,045	5,190	67.46	3,695,866	12,429.80
_sumsel	2016	266,857	4,963	68.24	3,998,637	9,360.50
_sumsel	2017	281,571	6,409	68.86	3,942,534	9,233.80
_sumsel	2018	298,569	7,941	69.39	3,963,870	25,139.00
_bengkulu	2013	34,326	1,727	67.5	832,048	6,032.20
_bengkulu	2014	36,207	1,935	68.06	868,794	13,150.70
_bengkulu	2015	38,066	2,282	68.59	904,317	9,462.70
_bengkulu	2016	40,077	2,030	69.33	964,971	38,795.40
_bengkulu	2017	42,074	2,867	69.95	932,976	16,216.00
_bengkulu	2018	44,171	2,980	70.64	963,463	6,880.90
_lampung	2013	180,620	3,885	65.73	3,471,602	2,695.30
_lampung	2014	189,797	4,454	66.42	3,673,158	4,801.90
_lampung	2015	199,537	4,781	66.95	3,635,258	2,243.10
_lampung	2016	209,794	5,477	67.65	3,931,321	6,745.80
_lampung	2017	220,626	6,949	68.25	3,896,230	9,075.20
_lampung	2018	232,214	7,539	69.02	4,060,377	14,230.50
_babel	2013	42,191	1,610	67.92	597,613	880
_babel	2014	44,159	1,596	68.27	604,223	855.6
_babel	2015	45,962	1,870	69.05	623,949	1,307.90
_babel	2016	47,848	2,070	69.55	686,830	2,956.60
_babel	2017	49,987	2,359	69.99	672,618	3,601.30
_babel	2018	52,212	2,364	70.67	701,366	3,783.40
_kepri	2013	137,264	2,716	73.02	806,073	988.1
_kepri	2014	146,325	3,312	73.4	819,656	1,975.40
_kepri	2015	155,131	2,605	73.75	836,670	4,167.00
_kepri	2016	162,853	2,782	73.99	859,813	1,653.60
_kepri	2017	166,111	3,038	74.45	896,931	3,021.00
_kepri	2018	173,689	3,418	74.84	901,019	16,424.10
_DKI	2013	1,296,695	38,302	78.08	4,668,239	37,337.40
_DKI	2014	1,373,389	37,800	78.39	4,634,369	73,908.40
_DKI	2015	1,454,564	43,031	78.99	4,724,029	65,442.30
_DKI	2016	1,539,917	47,129	79.6	4,861,832	58,255.70
_DKI	2017	1,635,367	51,066	80.06	4,509,171	109,101.80
_DKI	2018	1,736,196	61,410	80.47	4,726,779	119,441.80
_jabar	2013	1,093,544	18,397	68.25	18,731,943	95,851.50

_jabar	2014	1,149,216	20,798	68.8	19,230,943	100,358.20
_jabar	2015	1,207,232	24,418	69.5	18,791,482	105,438.20
_jabar	2016	1,275,619	27,622	70.05	19,202,038	104,480.00
_jabar	2017	1,343,864	32,707	70.69	20,551,575	107,603.70
_jabar	2018	1,419,689	33,334	71.3	20,779,888	122,985.20
_jateng	2013	726,655	12,725	68.02	16,469,960	57,939.10
_jateng	2014	764,959	15,086	68.78	16,550,682	38,912.00
_jateng	2015	806,765	17,821	69.49	16,435,142	50,477.60
_jateng	2016	849,099	19,354	69.98	16,511,136	63,523.50
_jateng	2017	893,750	22,885	70.52	17,186,674	60,879.30
_jateng	2018	941,283	24,479	71.12	17,245,548	61,834.00
_DIY	2013	75,627	2,510	76.44	1,886,071	5,943.20
_DIY	2014	79,536	2,981	76.81	1,956,043	6,468.60
_DIY	2015	83,474	3,496	77.59	1,891,218	12,093.60
_DIY	2016	87,686	3,848	78.38	2,042,400	14,913.90
_DIY	2017	92,302	4,921	78.89	2,053,168	32,223.70
_DIY	2018	98,027	5,296	79.53	2,118,392	7,309.00
_jatim	2013	1,192,790	16,739	67.55	19,553,910	35,209.70
_jatim	2014	1,262,685	20,006	68.14	19,306,508	38,939.40
_jatim	2015	1,331,376	22,946	68.95	19,367,777	36,718.90
_jatim	2016	1,405,564	23,860	69.74	19,114,563	46,597.10
_jatim	2017	1,482,300	28,878	70.27	20,099,220	45,535.70
_jatim	2018	1,563,756	30,662	70.77	20,449,949	52,642.10
_Banten	2013	331,099	5,295	69.47	4,687,626	45,406.20
_Banten	2014	349,351	6,192	69.89	4,853,992	30,504.40
_Banten	2015	368,377	8,084	70.27	4,825,460	46,485.80
_Banten	2016	387,835	8,926	70.96	5,088,497	38,723.00
_Banten	2017	410,046	9,513	71.42	5,077,400	36,226.50
_Banten	2018	433,884	9,993	71.95	5,332,496	59,579.70
_Bali	2013	114,104	3,869	72.09	2,242,076	7,749.40
_Bali	2014	121,788	4,492	72.48	2,272,632	5,565.90
_Bali	2015	129,127	4,999	73.27	2,324,805	8,089.90
_Bali	2016	137,296	5,421	73.65	2,416,555	6,587.00
_Bali	2017	144,945	6,071	74.3	2,398,307	12,528.40
_Bali	2018	154,151	5,998	74.77	2,490,870	16,066.10
_NTB	2013	69,767	2,380	63.76	2,032,282	7,348.70
_NTB	2014	73,373	2,614	64.31	2,094,100	7,068.20
_NTB	2015	89,338	3,328	65.19	2,127,503	9,996.10
_NTB	2016	94,524	3,764	65.81	2,367,310	7,290.40
_NTB	2017	94,640	5,255	66.58	2,316,720	7,191.30
_NTB	2018	90,323	5,240	67.3	2,154,124	7,778.50

_NTT	2013	51,505	2,381	61.68	2,104,507	138.3
_NTT	2014	54,108	2,693	62.26	2,174,228	191.4
_NTT	2015	56,771	3,328	62.67	2,219,291	2,259.90
_NTT	2016	59,678	3,703	63.13	2,277,068	1,610.70
_NTT	2017	62,725	4,635	63.73	2,320,061	2,952.60
_NTT	2018	65,941	4,847	64.39	2,411,533	5,700.00
_kalbar	2013	101,980	3,297	64.3	2,172,337	10,445.00
_kalbar	2014	107,115	3,653	64.89	2,226,510	16,339.10
_kalbar	2015	112,347	4,124	65.59	2,235,887	24,569.50
_kalbar	2016	118,183	4,321	65.88	2,287,823	17,560.20
_kalbar	2017	124,294	5,260	66.26	2,303,198	20,030.40
_kalbar	2018	130,584	5,341	66.98	2,346,881	13,714.60
_kalteng	2013	69,411	2,929	67.41	1,124,017	7,705.50
_kalteng	2014	73,725	3,236	67.77	1,154,489	12,810.80
_kalteng	2015	78,891	3,482	68.53	1,214,681	14,149.10
_kalteng	2016	83,900	3,175	69.13	1,248,189	13,709.40
_kalteng	2017	89,541	3,687	69.79	1,222,707	11,664.40
_kalteng	2018	94,596	4,548	70.42	1,301,002	22,917.00
_kalsel	2013	101,851	4,750	67.17	1,830,813	11,475.70
_kalsel	2014	106,779	4,918	67.63	1,867,462	8,867.60
_kalsel	2015	110,863	5,103	68.38	1,889,502	15,320.10
_kalsel	2016	115,744	5,179	69.05	1,965,088	9,541.90
_kalsel	2017	121,856	5,866	69.65	1,975,161	6,263.00
_kalsel	2018	128,106	6,083	70.17	2,021,666	11,846.10
_kaltim	2013	438,533	13,780	73.21	1,603,915	32,311.80
_kaltim	2014	446,029	11,275	73.82	1,677,466	39,551.50
_kaltim	2015	440,676	8,599	74.17	1,423,957	42,462.70
_kaltim	2016	439,004	7,601	74.59	1,581,239	22,324.40
_kaltim	2017	452,742	8,239	75.12	1,540,675	28,276.40
_kaltim	2018	464,823	9,345	75.83	1,618,285	34,449.60
_kalut	2013	44,092	78	67.99	245,665	581.9
_kalut	2014	47,696	642	68.64	255,514	1,990.10
_kalut	2015	49,316	1,894	68.76	267,023	4,107.10
_kalut	2016	51,065	2,557	69.2	273,423	5,524.20
_kalut	2017	54,535	2,449	69.84	312,416	2,858.50
_kalut	2018	57,826	2,353	70.56	323,400	2,331.40
_sulut	2013	62,423	2,026	69.49	965,457	867.6
_sulut	2014	66,361	2,229	69.96	980,756	1,307.10
_sulut	2015	70,425	2,693	70.39	1,000,032	1,484.60
_sulut	2016	74,765	2,801	71.05	1,110,564	10,255.80
_sulut	2017	79,485	3,581	71.66	1,040,826	7,987.10

_sulut	2018	84,259	3,656	72.2	1,095,145	8,605.00
_sulteng	2013	68,219	2,145	65.79	1,239,122	918.6
_sulteng	2014	71,678	2,446	66.43	1,293,226	146.8
_sulteng	2015	82,787	2,953	66.76	1,327,418	1,063.60
_sulteng	2016	91,015	3,178	67.47	1,459,803	1,253.30
_sulteng	2017	97,475	3,446	68.11	1,374,214	2,485.50
_sulteng	2018	103,618	3,628	68.88	1,451,491	18,225.90
_sulsel	2013	217,589	4,924	67.92	3,376,549	11,342.60
_sulsel	2014	233,988	5,600	68.49	3,527,036	23,537.40
_sulsel	2015	250,803	6,150	69.15	3,485,492	24,185.70
_sulsel	2016	269,401	6,931	69.76	3,694,712	25,015.50
_sulsel	2017	288,814	8,892	70.34	3,598,663	22,770.10
_sulsel	2018	309,244	9,322	70.9	3,774,924	12,213.60
_sultra	2013	64,269	1,813	67.55	997,231	6,902.70
_sultra	2014	68,292	2,089	68.07	1,037,419	4,744.30
_sultra	2015	72,993	2,349	68.75	1,074,916	5,233.80
_sultra	2016	77,746	2,664	69.31	1,219,548	6,840.80
_sultra	2017	83,002	3,554	69.86	1,160,974	12,741.60
_sultra	2018	88,329	3,586	70.61	1,207,488	11,347.70
_gorontalo	2013	19,368	1,051	64.7	458,930	114.9
_gorontalo	2014	20,776	1,204	65.17	479,137	247.9
_gorontalo	2015	22,069	1,408	65.86	493,687	121.9
_gorontalo	2016	23,507	1,596	66.29	546,668	2,481.60
_gorontalo	2017	25,090	1,738	67.01	524,316	1,041.80
_gorontalo	2018	26,723	1,828	67.71	555,533	3,257.60
_sulbar	2013	22,227	1,044	61.53	545,438	1,738.20
_sulbar	2014	24,196	1,227	62.24	595,797	2,702.90
_sulbar	2015	25,964	1,386	62.96	595,905	3,104.10
_sulbar	2016	27,525	1,766	63.6	624,182	5,179.50
_sulbar	2017	29,347	1,927	64.3	595,004	9,986.60
_sulbar	2018	31,177	1,747	65.1	619,395	3,501.90
_maluku	2013	22,101	1,576	66.09	602,429	643.6
_maluku	2014	23,568	1,726	66.74	601,651	163
_maluku	2015	24,859	2,280	67.05	655,063	1,136.70
_maluku	2016	26,284	2,799	67.6	690,786	1,401.40
_maluku	2017	27,814	2,834	68.19	642,061	2,905.40
_maluku	2018	29,465	3,069	68.87	700,143	1,129.30
_malut	2013	18,209	1,388	64.78	454,978	4,387.60
_malut	2014	19,209	1,482	65.18	456,017	1,384.10
_malut	2015	20,380	1,809	65.91	482,543	2,859.70
_malut	2016	21,557	2,024	66.63	503,479	5,955.00
_malut	2017	23,211	2,259	67.2	488,715	4,220.40

_malut	2018	25,050	2,439	67.76	515,615	7,530.00
_pabar	2013	47,694	4,512	60.91	359,527	29,070.00
_pabar	2014	50,260	5,429	61.28	378,436	15,781.90
_pabar	2015	52,346	6,880	61.73	380,226	12,437.60
_pabar	2016	54,711	6,465	62.21	402,360	15,840.10
_pabar	2017	56,903	7,019	62.99	402,526	25,953.70
_pabar	2018	60,454	6,947	63.74	417,544	4,205.50
_papua	2013	117,119	8,171	56.25	1,559,675	1,244.90
_papua	2014	121,391	10,304	56.75	1,617,437	2,158.20
_papua	2015	130,312	12,396	57.25	1,672,480	4,842.60
_papua	2016	142,225	11,968	58.05	1,664,485	7,190.90
_papua	2017	148,823	13,303	59.09	1,699,071	2,357.80
_papua	2018	159,729	13,187	60.06	1,777,207	16,501.40



UNIVERSITAS INDONESIA

Appendix 2

Result of Descriptive Statistic Using Eviews 8

Gross Regional Domestic Product (GRDP) in Trillion Rp

Provinces	Mean	Median	Standard Deviation	Minimum	Maximum
Aceh	117.1	114.9	5.9	111.8	126.8
Sumatera Utara	453.9	452.4	42.6	398.7	512.8
Sumatera Barat	144.7	144.4	14.2	125.9	164.0
Riau	457.5	453.9	16.8	436.2	482.1
Jambi	127.8	127.8	11.3	111.8	143.0
Sumatera Selatan	262.8	260.5	24.7	232.2	298.6
Bengkulu	39.2	39.1	3.7	34.3	44.2
Lampung	205.4	204.7	19.3	180.6	232.2
Kep. Bangka Belitung	47.1	46.9	3.7	42.2	52.2
Kep. Riau	156.9	159.0	13.4	137.3	173.7
Dki Jakarta	1506.0	1497.2	164.3	1296.7	1736.2
Jawa Barat	1248.2	1241.4	122.2	1093.5	1419.7
Jawa Tengah	830.4	827.9	80.3	726.7	941.3
Di Yogyakarta	86.1	85.6	8.3	75.6	98.0
Jawa Timur	1373.1	1368.5	138.4	1192.8	1563.8
Banten	380.1	378.1	38.3	331.1	433.9
Bali	133.6	133.2	14.9	114.1	154.2
NTB	85.3	89.8	10.9	69.8	94.6
NTT	58.5	58.2	5.4	51.5	65.9
Kalimantan Barat	115.8	115.3	10.7	102.0	130.6
Kalimantan Tengah	81.7	81.4	9.5	69.4	94.6
Kalimantan Selatan	114.2	113.3	9.7	101.9	128.1
Kalimantan Timur	447.0	443.4	10.3	438.5	464.8
Kalimantan Utara	50.8	50.2	4.9	44.1	57.8
Sulawesi Utara	73.0	72.6	8.2	62.4	84.3
Sulawesi Tengah	85.8	86.9	14.1	68.2	103.6
Sulawesi Selatan	261.6	260.1	34.3	217.6	309.2

Sulawesi Tenggara	75.8	75.4	9.1	64.3	88.3
Gorontalo	22.9	22.8	2.7	19.4	26.7
Sulawesi Barat	26.7	26.7	3.3	22.2	31.2
Maluku	25.7	25.6	2.7	22.1	29.5
Maluku Utara	21.3	21.0	2.6	18.2	25.1
Papua Barat	53.7	53.5	4.6	47.7	60.5
Papua	136.6	136.3	16.5	117.1	159.7

Government Expenditure in Trillion RP

Provinces	Mean	Median	Standard Deviation	Minimum	Maximum
Aceh	12.28	12.13	0.85	11.22	13.83
Sumatera Utara	9.60	8.72	2.40	7.26	12.56
Sumatera Barat	4.53	4.26	1.26	3.11	6.27
Riau	7.88	8.12	1.27	5.60	9.19
Jambi	3.54	3.36	0.50	3.01	4.20
Sumatera Selatan	5.99	5.72	1.08	4.96	7.94
Bengkulu	2.30	2.16	0.51	1.73	2.98
Lampung	5.51	5.13	1.45	3.88	7.54
Kep. Bangka Belitung	1.98	1.97	0.35	1.60	2.36
Kep. Riau	2.98	2.91	0.33	2.61	3.42
Dki Jakarta	46.46	45.08	8.93	37.80	61.41
Jawa Barat	26.21	26.02	6.14	18.40	33.33
Jawa Tengah	18.72	18.59	4.49	12.72	24.48
Di Yogyakarta	3.84	3.67	1.09	2.51	5.30
Jawa Timur	23.85	23.40	5.25	16.74	30.66
Banten	8.00	8.50	1.88	5.30	9.99
Bali	5.14	5.21	0.86	3.87	6.07
Nusa Tenggara Barat	3.76	3.55	1.25	2.38	5.26
Nusa Tenggara Timur	3.60	3.52	1.00	2.38	4.85
Kalimantan Barat	4.33	4.22	0.83	3.30	5.34
Kalimantan Tengah	3.51	3.36	0.57	2.93	4.55
Kalimantan Selatan	5.32	5.14	0.54	4.75	6.08
Kalimantan Timur	9.81	8.97	2.32	7.60	13.78

Kalimantan Utara	1.66	2.12	1.05	0.08	2.56
Sulawesi Utara	2.83	2.75	0.67	2.03	3.66
Sulawesi Tengah	2.97	3.07	0.58	2.15	3.63
Sulawesi Selatan	6.97	6.54	1.79	4.92	9.32
Sulawesi Tenggara	2.68	2.51	0.75	1.81	3.59
Gorontalo	1.47	1.50	0.31	1.05	1.83
Sulawesi Barat	1.52	1.57	0.35	1.04	1.93
Maluku	2.38	2.54	0.62	1.58	3.07
Maluku Utara	1.90	1.92	0.42	1.39	2.44
Papua Barat	6.21	6.67	1.02	4.51	7.02
Papua	11.56	12.18	1.98	8.17	13.30

HDI

Provinces	Mean	Median	Standard Deviation	Minimum	Maximum
Aceh	69.73	69.73	1.09	68.30	71.19
Sumatera Utara	69.75	69.76	1.05	68.36	71.18
Sumatera Barat	70.33	70.36	1.10	68.91	71.73
Riau	71.09	71.02	0.93	69.91	72.44
Jambi	69.19	69.26	1.09	67.76	70.65
Sumatera Selatan	67.81	67.85	1.25	66.16	69.39
Bengkulu	69.01	68.96	1.18	67.50	70.64
Lampung	67.34	67.30	1.21	65.73	69.02
Kep. Bangka Belitung	69.24	69.30	1.04	67.92	70.67
Kep. Riau	73.91	73.87	0.67	73.02	74.84
Dki Jakarta	79.27	79.30	0.94	78.08	80.47
Jawa Barat	69.77	69.78	1.15	68.25	71.30
Jawa Tengah	69.65	69.74	1.14	68.02	71.12
Di Yogyakarta	77.94	77.99	1.21	76.44	79.53
Jawa Timur	69.24	69.35	1.25	67.55	70.77
Banten	70.66	70.62	0.95	69.47	71.95
Bali	73.43	73.46	1.03	72.09	74.77
Nusa Tenggara Barat	65.49	65.50	1.34	63.76	67.30
Nusa Tenggara Timur	62.98	62.90	0.99	61.68	64.39

Kalimantan Barat	65.65	65.74	0.96	64.30	66.98
Kalimantan Tengah	68.84	68.83	1.16	67.41	70.42
Kalimantan Selatan	68.68	68.72	1.16	67.17	70.17
Kalimantan Timur	74.46	74.38	0.94	73.21	75.83
Kalimantan Utara	69.17	68.98	0.92	67.99	70.56
Sulawesi Utara	70.79	70.72	1.03	69.49	72.20
Sulawesi Tengah	67.24	67.12	1.14	65.79	68.88
Sulawesi Selatan	69.43	69.46	1.13	67.92	70.90
Sulawesi Tenggara	69.03	69.03	1.14	67.55	70.61
Gorontalo	66.12	66.08	1.13	64.70	67.71
Sulawesi Barat	63.29	63.28	1.32	61.53	65.10
Maluku	67.42	67.33	1.01	66.09	68.87
Maluku Utara	66.24	66.27	1.16	64.78	67.76
Papua Barat	62.14	61.97	1.07	60.91	63.74
Papua	57.91	57.65	1.45	56.25	60.06

Worker in Million People

Provinces	Mean	Median	Standard Deviation	Minimum	Maximum
Aceh	2.03	2.03	0.14	1.84	2.20
Sumatera Utara	6.17	6.04	0.32	5.88	6.73
Sumatera Barat	2.25	2.26	0.13	2.06	2.41
Riau	2.67	2.66	0.18	2.48	2.92
Jambi	1.57	1.59	0.12	1.40	1.72
Sumatera Selatan	3.80	3.82	0.19	3.52	4.00
Bengkulu	0.91	0.92	0.05	0.83	0.96
Lampung	3.78	3.78	0.22	3.47	4.06
Kep. Bangka Belitung	0.65	0.65	0.04	0.60	0.70
Kep. Riau	0.85	0.85	0.04	0.81	0.90
Dki Jakarta	4.69	4.70	0.12	4.51	4.86
Jawa Barat	19.55	19.22	0.89	18.73	20.78
Jawa Tengah	16.73	16.53	0.38	16.44	17.25
Di Yogyakarta	1.99	2.00	0.09	1.89	2.12

Jawa Timur	19.65	19.46	0.52	19.11	20.45
Banten	4.98	4.97	0.23	4.69	5.33
Bali	2.36	2.36	0.09	2.24	2.49
Nusa Tenggara Barat	2.18	2.14	0.13	2.03	2.37
Nusa Tenggara Timur	2.25	2.25	0.11	2.10	2.41
Kalimantan Barat	2.26	2.26	0.06	2.17	2.35
Kalimantan Tengah	1.21	1.22	0.06	1.12	1.30
Kalimantan Selatan	1.92	1.93	0.07	1.83	2.02
Kalimantan Timur	1.57	1.59	0.09	1.42	1.68
Kalimantan Utara	0.28	0.27	0.03	0.25	0.32
Sulawesi Utara	1.03	1.02	0.06	0.97	1.11
Sulawesi Tengah	1.36	1.35	0.09	1.24	1.46
Sulawesi Selatan	3.58	3.56	0.14	3.38	3.77
Sulawesi Tenggara	1.12	1.12	0.09	1.00	1.22
Gorontalo	0.51	0.51	0.04	0.46	0.56
Sulawesi Barat	0.60	0.60	0.03	0.55	0.62
Maluku	0.65	0.65	0.04	0.60	0.70
Maluku Utara	0.48	0.49	0.02	0.45	0.52
Papua Barat	0.39	0.39	0.02	0.36	0.42
Papua	1.67	1.67	0.07	1.56	1.78

Investment in Trillion RP

Provinces	Mean	Median	Standard Deviation	Minimum	Maximum
Aceh	3.69	4.38	1.73	1.10	5.50
Sumatera Utara	20.88	20.04	7.48	11.08	32.07
Sumatera Barat	3.31	3.24	1.50	1.79	4.93
Riau	22.00	22.40	3.00	18.39	25.11
Jambi	9.49	8.78	4.76	4.35	16.89
Sumatera Selatan	11.28	9.30	7.35	3.81	25.14
Bengkulu	15.09	11.31	12.23	6.03	38.80

Lampung	6.63	5.77	4.51	2.24	14.23
Kep. Bangka Belitung	2.23	2.13	1.37	0.86	3.78
Kep. Riau	4.70	2.50	5.85	0.99	16.42
Dki Jakarta	77.25	69.68	31.30	37.34	119.44
Jawa Barat	106.12	104.96	9.26	95.85	122.99
Jawa Tengah	55.59	59.41	9.38	38.91	63.52
Di Yogyakarta	13.16	9.70	9.99	5.94	32.22
Jawa Timur	42.61	42.24	6.75	35.21	52.64
Banten	42.82	42.06	10.13	30.50	59.58
Bali	9.43	7.92	4.03	5.57	16.07
Nusa Tenggara Barat	7.78	7.32	1.11	7.07	10.00
Nusa Tenggara Timur	2.14	1.94	2.07	0.14	5.70
Kalimantan Barat	17.11	16.95	4.92	10.44	24.57
Kalimantan Tengah	13.83	13.26	5.02	7.71	22.92
Kalimantan Selatan	10.55	10.51	3.08	6.26	15.32
Kalimantan Timur	33.23	33.38	7.36	22.32	42.46
Kalimantan Utara	2.90	2.59	1.72	0.58	5.52
Sulawesi Utara	5.08	4.74	4.30	0.87	10.26
Sulawesi Tengah	4.02	1.16	7.00	0.15	18.23
Sulawesi Selatan	19.84	23.15	6.30	11.34	25.02
Sulawesi Tenggara	7.97	6.87	3.30	4.74	12.74
Gorontalo	1.21	0.64	1.35	0.11	3.26
Sulawesi Barat	4.37	3.30	2.98	1.74	9.99
Maluku	1.23	1.13	0.93	0.16	2.91
Maluku Utara	4.39	4.30	2.18	1.38	7.53
Papua Barat	17.21	15.81	9.09	4.21	29.07
Papua	5.72	3.60	5.71	1.24	16.50

Appendix 3

Result of Data Panel Test Using Eviews 8

Common Effect Model

Dependent Variable: LOG(GRDP?)
 Method: Pooled Least Squares
 Date: 01/18/20 Time: 18:02
 Sample: 2013 2018
 Included observations: 6
 Cross-sections included: 34
 Total pool (balanced) observations: 204

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-3.825399	0.581080	-6.583262	0.0000
LOG(GOV?)	0.451670	0.054899	8.227249	0.0000
HDI?	0.047053	0.007214	6.522785	0.0000
LOG(WORKER?)	0.535496	0.044131	12.13432	0.0000
LOG(INVESTMENT?)	0.090374	0.028865	3.130888	0.0020
R-squared	0.884235	Mean dependent var	11.80577	
Adjusted R-squared	0.881908	S.D. dependent var	1.154263	
S.E. of regression	0.396657	Akaike info criterion	1.012716	
Sum squared resid	31.31007	Schwarz criterion	1.094043	
Log likelihood	-98.29706	Hannan-Quinn criter.	1.045614	
F-statistic	379.9988	Durbin-Watson stat	0.111738	
Prob(F-statistic)	0.000000			

Fixed Effect Model

Dependent Variable: LOG(GRDP?)
 Method: Pooled Least Squares
 Date: 01/18/20 Time: 18:01
 Sample: 2013 2018
 Included observations: 6
 Cross-sections included: 34
 Total pool (balanced) observations: 204

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.796243	0.786601	6.097425	0.0000
LOG(GOV?)	0.024671	0.008988	2.745001	0.0067
HDI?	0.075752	0.003356	22.56891	0.0000
LOG(WORKER?)	0.101021	0.065572	1.540619	0.1253
LOG(INVESTMENT?)	0.013549	0.003407	3.977042	0.0001
Fixed Effects (Cross)				
__ACEH--C	-0.217248			
__SUMUT--C	1.003140			
__SUMBAR--C	-0.038333			
__RIAU--C	1.000849			
__JAMBI--C	-0.047971			
__SUMSEL--C	0.673267			
__BENGKULU--C	-1.156550			

_LAMPUNG--C	0.473912
_BABEL--C	-0.925310
_KEPRI--C	-0.119799
_DKI--C	1.451316
_JABAR--C	1.849049
_JATENG--C	1.483071
_DIY--C	-1.134680
_JATIM--C	1.998322
_BANTEN--C	0.772073
_BALI--C	-0.377083
_NTB--C	-0.207969
_NTT--C	-0.367823
_KALBAR--C	0.070353
_KALTENG--C	-0.450828
_KALSEL--C	-0.154147
_KALTIM--C	0.765166
_KALUT--C	-0.748214
_SULUT--C	-0.670347
_SULTENG--C	-0.263177
_SULSEL--C	0.536699
_SULTRA--C	-0.516687
_GORONTALO--C	-1.363766
_SULBAR--C	-1.037804
_MALUKU--C	-1.389933
_MALUT--C	-1.475001
_PABAR--C	-0.260684
_PAPUA--C	0.846136

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999558	Mean dependent var	11.80577
Adjusted R-squared	0.999459	S.D. dependent var	1.154263
S.E. of regression	0.026841	Akaike info criterion	-4.231324
Sum squared resid	0.119597	Schwarz criterion	-3.613243
Log likelihood	469.5951	Hannan-Quinn criter.	-3.981299
F-statistic	10141.47	Durbin-Watson stat	0.917611
Prob(F-statistic)	0.000000		

Random Effect Model

Dependent Variable: LOG(GRDP?)
Method: Pooled EGLS (Cross-section random effects)
Date: 01/18/20 Time: 17:56
Sample: 2013 2018
Included observations: 6
Cross-sections included: 34
Total pool (balanced) observations: 204
Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.155502	0.573671	0.271065	0.7866
LOG(GOV?)	0.016632	0.008874	1.874344	0.0623
HDI?	0.061817	0.002925	21.13683	0.0000
LOG(WORKER?)	0.494478	0.046756	10.57574	0.0000
LOG(INVESTMENT?)	0.011763	0.003395	3.464793	0.0006
Random Effects (Cross)				

_ACEH--C	-0.227858
_SUMUT--C	0.555329
_SUMBAR--C	-0.090918
_RIAU--C	0.899941
_JAMBI--C	0.025504
_SUMSEL--C	0.383896
_BENGKULU--C	-0.873080
_LAMPUNG--C	0.179041
_BABEL--C	-0.509046
_KEPRI--C	0.256161
_DKI--C	1.258304
_JABAR--C	0.958300
_JATENG--C	0.648034
_DIY--C	-1.030683
_JATIM--C	1.095470
_BANTEN--C	0.421276
_BALI--C	-0.400924
_NTB--C	-0.314710
_NTT--C	-0.525667
_KALBAR--C	-0.046313
_KALTENG--C	-0.278648
_KALSEL--C	-0.164073
_KALTIM--C	0.921158
_KALUT--C	-0.006089
_SULUT--C	-0.412274
_SULTENG--C	-0.163557
_SULSEL--C	0.296276
_SULTRA--C	-0.312611
_GORONTALO--C	-0.900739
_SULBAR--C	-0.672948
_MALUKU--C	-0.999181
_MALUT--C	-0.984522
_PABAR--C	0.268134
_PAPUA--C	0.747017

Effects Specification			
		S.D.	Rho
Cross-section random		0.378115	0.9950
Idiosyncratic random		0.026841	0.0050
Weighted Statistics			
R-squared	0.893932	Mean dependent var	0.341993
Adjusted R-squared	0.891800	S.D. dependent var	0.099751
S.E. of regression	0.032812	Sum squared resid	0.214248
F-statistic	419.2867	Durbin-Watson stat	0.766181
Prob(F-statistic)	0.000000		
Unweighted Statistics			
R-squared	0.698527	Mean dependent var	11.80577
Sum squared resid	81.53688	Durbin-Watson stat	0.002013

Chow test

Redundant Fixed Effects Tests
Pool: POOL
Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	1311.889012	(33,166)	0.0000
Cross-section Chi-square	1135.784323	33	0.0000

Hausman Test

Correlated Random Effects - Hausman Test
Pool: POOL
Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	102.375757	4	0.0000

