

LAMPIRAN 1

Data Asli

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
KAB BANGKALAN	2012	59626	1260	15376	885000
	2013	60351	1295	15563	983800
	2014	60779	1299	15686	1102000
	2015	61650	1306	15798	1267300
	2016	62240	1311	15854	1414000
	2017	62725	1315	15904	1530655
KAB BANYUWANGI	2012	88803	1850	22900	915000
	2013	89579	1922	23100	1086400
	2014	89946	1931	23269	1240000
	2015	91581	1941	23376	1426000
	2016	92687	1948	23428	1599000
	2017	93597	1955	23476	1730917
KAB BLITAR	2012	127078	2673	33096	820000
	2013	129055	2768	33280	946850
	2014	129561	2779	33384	1000000
	2015	130214	2797	33458	1260000
	2016	130656	2808	33494	1405000
	2017	131020	2819	33527	1520912
KAB BOJONEGORO	2012	96981	2000	25009	930000
	2013	97676	2095	25188	1029500
	2014	98020	2110	25278	1140000
	2015	98432	2123	25367	1311000
	2016	98711	2132	25411	1462000
	2017	98941	2140	25451	1582615
KAB BONDOWOSO	2012	88923	1852	22931	800000
	2013	89602	1922	23106	946000
	2014	89892	1936	23174	1105000
	2015	90246	1949	23248	1270750
	2016	90485	1958	23284	1417000
	2017	90682	1967	23317	1533902

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
KAB GRESIK	2012	116161	2420	29955	1257000
	2013	116995	2510	30171	1740000
	2014	117279	2523	30224	2195000
	2015	117547	2539	30294	2707500
	2016	117728	2550	30328	3042500
	2017	117877	2561	30360	3293506
KAB JEMBER	2012	76533	1594	19736	920000
	2013	77189	1656	19905	1091950
	2014	78987	1667	20014	1270000
	2015	79782	1679	20082	1460500
	2016	80320	1687	20116	1629000
	2017	80763	1694	20146	1763392
KAB JOMBANG	2012	102829	2122	26517	978000
	2013	103609	2223	26718	1200000
	2014	103892	2236	26816	1500000
	2015	105074	2248	26893	1725000
	2016	105873	2257	26931	1924000
	2017	106532	2265	26966	2082730
KAB KEDIRI	2012	30565	649	7882	999000
	2013	31349	672	8084	1089950
	2014	31617	676	8190	1135000
	2015	32311	680	8271	1305250
	2016	32781	683	8311	1456000
	2017	33168	686	8348	1576120
KAB LAMONGAN	2012	103194	2129	26611	950000
	2013	103861	2228	26783	1075700
	2014	104207	2241	26876	1220000
	2015	104554	2254	26966	1410000
	2016	104789	2264	27010	1573000
	2017	104982	2272	27051	1702772
KAB LUMAJANG	2012	96384	1989	24855	825391
	2013	97075	2082	25033	1011950
	2014	97607	2097	25203	1120000

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
	2015	98038	2112	25345	1288000
	2016	98329	2122	25415	1437000
	2017	98569	2132	25479	1555552
KAB MADIUN	2012	103792	2163	27031	775000
	2013	105614	2266	27235	960750
	2014	106317	2283	27393	1045000
	2015	106803	2298	27531	1201750
	2016	107132	2309	27599	1340000
	2017	107403	2319	27661	1450550
KAB MAGETAN	2012	34858	740	8989	750000
	2013	35533	762	9163	866250
	2014	35740	766	9257	1000000
	2015	36226	770	9317	1150000
	2016	36555	772	9346	1283000
	2017	36825	774	9373	1388847
KAB MALANG	2012	187836	3913	48438	1130500
	2013	188631	4046	48643	1343700
	2014	188998	4064	48735	1635000
	2015	189460	4082	48829	1962000
	2016	189773	4093	48876	2188000
	2017	190031	4105	48918	2368510
KAB MOJOKERTO	2012	126089	2601	32515	1234000
	2013	126814	2720	32702	1700000
	2014	127429	2738	32891	2050000
	2015	127675	2757	33054	2695000
	2016	127842	2769	33135	3030000
	2017	127979	2781	33208	3279975
KAB NGANJUK	2012	92309	1942	23804	785000
	2013	93045	1996	23994	960200
	2014	93990	2008	24189	1131000
	2015	94546	2020	24353	1265000
	2016	94923	2028	24434	1411000
	2017	95233	2036	24508	1527407

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
KAB NGAWI	2012	84896	1769	21893	780000
	2013	85623	1837	22080	900000
	2014	86339	1860	22177	1040000
	2015	86886	1873	22246	1196000
	2016	87256	1882	22280	1334000
	2017	87561	1891	22310	1444055
KAB PACITAN	2012	85263	1776	21987	750000
	2013	85957	1844	22166	887250
	2014	86315	1855	22262	1000000
	2015	86648	1865	22355	1150000
	2016	86874	1872	22401	1283000
	2017	87060	1878	22442	1388847
KAB PAMEKASAN	2012	102841	2142	26520	975000
	2013	103543	2221	26701	1059600
	2014	103830	2230	26766	1090000
	2015	104059	2245	26839	1209900
	2016	104214	2255	26874	1350000
	2017	104342	2264	26907	1461357
KAB PASURUAN	2012	93778	1955	24207	1252000
	2013	94694	2031	24419	1720000
	2014	95079	2057	24509	2190000
	2015	95756	2069	24603	2700000
	2016	96214	2078	24649	3037500
	2017	96592	2086	24691	3288093
KAB PONOROGO	2012	59704	1250	15396	745000
	2013	60328	1294	15557	924000
	2014	60689	1305	15660	1000000
	2015	61081	1313	15755	1150000
	2016	61346	1318	15801	1283000
	2017	61565	1324	15844	1388847
KAB PROBOLINGGO	2012	93844	1938	24224	888500
	2013	94593	2029	24393	1198600
	2014	94874	2048	24452	1353750

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
	2015	95197	2064	24518	1556800
	2016	95416	2075	24551	1736000
	2017	95596	2086	24581	1879220
	2012	53305	1132	13746	800000
KAB SAMPANG	2013	53988	1158	13922	1104600
	2014	54549	1164	14106	1120000
	2015	54811	1172	14257	1243200
	2016	54988	1178	14331	1387000
	2017	55134	1183	14399	1501427
	2012	132499	2735	34185	1252000
KAB SIDOARJO	2013	133263	2859	34365	1720000
	2014	133732	2875	34504	2190000
	2015	134153	2892	34625	2705000
	2016	134437	2904	34685	3040000
	2017	134671	2915	34740	3290800
	2012	73757	1552	19020	802500
KAB SITUBONDO	2013	74424	1597	19192	1048000
	2014	74708	1601	19267	1071000
	2015	75638	1608	19340	1231650
	2016	76266	1612	19377	1374000
	2017	76784	1617	19410	1487355
	2012	61336	1280	15817	825000
KAB SUMENEP	2013	62003	1330	15989	965000
	2014	62203	1335	16074	1090000
	2015	62473	1341	16131	1253500
	2016	62655	1345	16159	1398000
	2017	62805	1349	16185	1513335
	2012	117356	2421	30263	760000
KAB TRENGGALEK	2013	118062	2533	30445	903900
	2014	118307	2548	30540	1000000
	2015	118618	2567	30608	1150000
	2016	118829	2579	30642	1283000
	2017	119002	2591	30673	1388847

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
KAB TUBAN	2012	99320	2049	25612	970000
	2013	100006	2145	25789	1144400
	2014	100426	2160	25912	1370000
	2015	100879	2174	26023	1575500
	2016	101185	2184	26077	1757000
	2017	101437	2193	26127	1901952
KAB TULUNGAGUNG	2012	72458	1509	18685	815000
	2013	73109	1568	18853	1007900
	2014	74727	1587	19038	1107000
	2015	75297	1611	19417	1275050
	2016	75682	1627	19604	1420000
	2017	76000	1642	19775	1537150
KOTA BATU	2012	26428	567	6815	1100215
	2013	27079	581	6983	1268000
	2014	27337	584	7040	1580037
	2015	27494	588	7105	1817000
	2016	27600	590	7137	2026000
	2017	27687	592	7166	2193145
KOTA BLITAR	2012	28743	617	7412	815000
	2013	29386	630	7578	924800
	2014	29629	635	7629	1000000
	2015	29813	638	7690	1250000
	2016	29937	640	7720	1394000
	2017	30039	642	7747	1509005
KOTA KEDIRI	2012	31438	668	8107	1037500
	2013	32175	690	8297	1128400
	2014	32775	696	8471	1165000
	2015	33084	704	8629	1339750
	2016	33293	710	8706	1494000
	2017	33466	715	8777	1617255
KOTA MADIUN	2012	29227	618	7537	812500
	2013	29871	641	7703	953000
	2014	30126	645	7759	1066000

Nama Kab/Kota	Tahun	Tenaga Kerja	Nilai Investasi (Milyar)	Jumlah Unit Usaha	Upah Minimum Kota (UMK) (Ribu)
	2015	30297	649	7823	1250000
	2016	30413	652	7855	1394000
	2017	30509	655	7883	1509005
KOTA MALANG	2012	87229	1817	22494	1132254
	2013	87861	1885	22657	1340300
	2014	88134	1894	22722	1587000
	2015	88382	1903	22792	1882250
	2016	88550	1909	22826	2099000
	2017	88688	1915	22857	2272167
KOTA MOJOKERTO	2012	30651	647	7904	875000
	2013	31325	672	8078	1040000
	2014	31620	678	8149	1250000
	2015	31850	683	8224	1437500
	2016	32006	686	8261	1603000
	2017	32134	689	8295	1735247
KOTA PASURUAN	2012	41210	875	10627	975000
	2013	41862	898	10795	1195800
	2014	42184	903	10879	1360000
	2015	42387	908	10962	1575000
	2016	42524	911	11003	1757000
	2017	42637	914	11041	1901952
KOTA PROBOLINGGO	2012	28343	602	7309	885500
	2013	28960	621	7468	1103200
	2014	29225	624	7531	1250000
	2015	29816	628	7598	1437500
	2016	30216	630	7632	1603000
	2017	30546	633	7662	1735247
KOTA SURABAYA	2012	120726	2515	31132	1257000
	2013	121594	2608	31356	1740000
	2014	121980	2632	31452	2200000
	2015	122461	2651	31551	2710000
	2016	122787	2664	31599	3045000
	2017	123055	2676	31644	3296212

LAMPIRAN 2

UJI COMMON EFFECT

Dependent Variable: LOG(TK?)

Method: Pooled Least Squares

Date: 02/05/18 Time: 00:47

Sample: 2012 2017

Included observations: 6

Cross-sections included: 38

Total pool (balanced) observations: 228

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LOG(NI?)	-0.458022	0.009122	-50.21331	0.0000
LOG(UU?)	1.458063	0.008969	162.5738	0.0000
LOG(UMK?)	0.015323	0.001661	9.225556	0.0000
R-squared	0.999704	Mean dependent var		11.20239
Adjusted R-squared	0.999701	S.D. dependent var		0.520078
S.E. of regression	0.008986	Akaike info criterion		-6.573236
Sum squared resid	0.018168	Schwarz criterion		-6.528113
Log likelihood	752.3489	Hannan-Quinn criter.		-6.555030
Durbin-Watson stat	0.495034			

LAMPIRAN 3

UJI FIXED EFFECT

Dependent Variable: LOG(TK?)

Method: Pooled Least Squares

Date: 02/05/18 Time: 00:50

Sample: 2012 2017

Included observations: 6

Cross-sections included: 38

Total pool (balanced) observations: 228

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.394698	0.464358	5.157011	0.0000
LOG(NI?)	-0.025322	0.041590	-0.608845	0.5434
LOG(UU?)	0.894989	0.054055	16.55687	0.0000
LOG(UMK?)	0.012924	0.003243	3.985641	0.0001
Fixed Effects (Cross)				
_KAB_BANGKALAN--C	-0.018223			
_KAB_BANYUWANGI--C	0.035074			
_KAB_BLITAR--C	0.076298			
_KAB_BOJONEGORO--C	0.038551			
_KAB_BONDOWOSO--C	0.028320			
_KAB_GRESIK--C	0.053743			
_KAB_JEMBER--C	0.023554			
_KAB_JOMBANG--C	0.049030			
_KAB_KEDIRI--C	-0.102405			
_KAB_LAMONGAN--C	0.045126			
_KAB_LUMAJANG--C	0.036386			
_KAB_MADIUN--C	0.048459			
_KAB_MAGETAN--C	-0.088275			
_KAB_MALANG--C	0.119542			
_KAB_MOJOKERTO--C	0.061742			
_KAB_NGANJUK--C	0.033966			
_KAB_NGAWI--C	0.027692			
_KAB_PACITAN--C	0.023066			
_KAB_PAMEKASAN--C	0.045697			
_KAB_PASURUAN--C	0.029043			
_KAB_PONOROGO--C	-0.022403			
_KAB_PROBOLINGGO--C	0.032783			
_KAB_SAMPANG--C	-0.043544			
_KAB_SIDOARJO--C	0.069971			
_KAB_SITUBONDO--C	0.010313			
_KAB_SUMENEP--C	-0.021166			
_KAB_TRENGGALEK--C	0.064009			
_KAB_TUBAN--C	0.039224			
_KAB_TULUNGAGUNG--C	0.002303			
_KOTA_BATU--C	-0.133747			
_KOTA_BLITAR--C	-0.117118			

_KOTA_KEDIRI--C	-0.112737
_KOTA_MADIUN--C	-0.115943
_KOTA_MALANG--C	0.019998
_KOTA_MOJOKERTO-- C	-0.110954
_KOTA_PASURUAN--C	-0.075914
_KOTA_PROBOLINGG O--C	-0.110848
_KOTA_SURABAYA--C	0.059388

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999920	Mean dependent var	11.20239
Adjusted R-squared	0.999903	S.D. dependent var	0.520078
S.E. of regression	0.005114	Akaike info criterion	-7.552160
Sum squared resid	0.004891	Schwarz criterion	-6.935480
Log likelihood	901.9463	Hannan-Quinn criter.	-7.303348
F-statistic	58682.00	Durbin-Watson stat	0.592803
Prob(F-statistic)	0.000000		

LAMPIRAN 4

UJI RANDOM EFFECT

Dependent Variable: LOG(TK?)
 Method: Pooled EGLS (Cross-section random effects)
 Date: 02/05/18 Time: 00:52
 Sample: 2012 2017
 Included observations: 6
 Cross-sections included: 38
 Total pool (balanced) observations: 228
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.422038	0.106590	13.34116	0.0000
LOG(NI?)	0.047153	0.035853	1.315166	0.1898
LOG(UU?)	0.951886	0.035830	26.56640	0.0000
LOG(UMK?)	0.004372	0.001726	2.533748	0.0120
Random Effects (Cross)				
_KAB_BANGKALAN--C	0.003730			
_KAB_BANYUWANGI--C	0.006274			
_KAB_BLITAR--C	0.000759			
_KAB_BOJONEGORO--C	-0.000117			
_KAB_BONDOWOSO--C	0.000115			
_KAB_GRESIK--C	-0.002365			
_KAB_JEMBER--C	0.012395			
_KAB_JOMBANG--C	0.003658			
_KAB_KEDIRI--C	0.004385			
_KAB_LAMONGAN--C	-0.000753			
_KAB_LUMAJANG--C	-0.001637			
_KAB_MADIUN--C	-0.001116			
_KAB_MAGETAN--C	0.001782			
_KAB_MALANG--C	-0.000961			
_KAB_MOJOKERTO--C	-0.004603			
_KAB_NGANJUK--C	0.000447			
_KAB_NGAWI--C	0.003631			
_KAB_PACITAN--C	-0.000336			
_KAB_PAMEKASAN--C	-0.000613			
_KAB_PASURUAN--C	-0.000635			
_KAB_PONOROGO--C	-0.000297			
_KAB_PROBOLINGGO--C	-0.000614			
_KAB_SAMPANG--C	-0.005306			
_KAB_SIDOARJO--C	-0.002911			
_KAB_SITUBONDO--C	0.004968			
_KAB_SUMENEP--C	-0.001148			
_KAB_TRENGGALEK--C	-0.000328			
_KAB_TUBAN--C	-0.001077			
_KAB_TULUNGAGUNG--C	-0.000825			
_KOTA_BATU--C	-0.003550			

_KOTA_BLITAR--C	-0.001214
_KOTA_KEDIRI--C	-0.007106
_KOTA_MADIUN--C	-0.001805
_KOTA_MALANG--C	-0.001742
_KOTA_MOJOKERTO-- C	-0.002062
_KOTA_PASURUAN--C	-0.003188
_KOTA_PROBOLINGG O--C	0.006250
_KOTA_SURABAYA--C	-0.002085

Effects Specification			
		S.D.	Rho
Cross-section random		0.003989	0.3782
Idiosyncratic random		0.005114	0.6218
Weighted Statistics			
R-squared	0.999540	Mean dependent var	5.195205
Adjusted R-squared	0.999533	S.D. dependent var	0.241468
S.E. of regression	0.005216	Sum squared resid	0.006095
F-statistic	162069.1	Durbin-Watson stat	0.500841
Prob(F-statistic)	0.000000		
Unweighted Statistics			
R-squared	0.999841	Mean dependent var	11.20239
Sum squared resid	0.009791	Durbin-Watson stat	0.311783

LAMPIRAN 5

UJI CHOW TEST

$$F_{n-1, nt, n-k} (\text{ROE}) = \frac{(0.018168 - 0.004891) / (38 - 1)}{0.004891 / (228 - 38 - 3)}$$

$$= 0.000358838 / 2,5342E-05$$

$$= 14,15982472$$

$$F\text{-tabel} = \alpha ; df (n-1, nT-n-k)$$

$$= 5\% ; (38-1, 228-38-3)$$

$$= 5\% ; (37, 193)$$

$$= 1,622$$

Redundant Fixed Effects Tests

Pool: PANEL

Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	4.872260	(37,187)	0.0000
Cross-section Chi-square	153.899671	37	0.0000

Cross-section fixed effects test equation:

Dependent Variable: LOG(TK?)

Method: Panel Least Squares

Date: 02/05/18 Time: 00:53

Sample: 2012 2017

Included observations: 6

Cross-sections included: 38

Total pool (balanced) observations: 228

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.598006	0.113095	14.12972	0.0000
LOG(NI?)	0.100977	0.040117	2.517084	0.0125
LOG(UU?)	0.898412	0.040144	22.37987	0.0000
LOG(UMK?)	0.001153	0.001572	0.733634	0.4639
R-squared	0.999844	Mean dependent var		11.20239
Adjusted R-squared	0.999841	S.D. dependent var		0.520078
S.E. of regression	0.006549	Akaike info criterion		-7.201723
Sum squared resid	0.009606	Schwarz criterion		-7.141559
Log likelihood	824.9964	Hannan-Quinn criter.		-7.177449
F-statistic	477165.0	Durbin-Watson stat		0.337519
Prob(F-statistic)	0.000000			

LAMPIRAN 6

UJI HAUSMANT

Correlated Random Effects - Hausman Test

Pool: PANEL

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	12.027290	3	0.0073

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
LOG(NI?)	-0.025322	0.047153	0.000444	0.0006
LOG(UU?)	0.894989	0.951886	0.001638	0.1598
LOG(UMK?)	0.012924	0.004372	0.000008	0.0018

Cross-section random effects test equation:

Dependent Variable: LOG(TK?)

Method: Panel Least Squares

Date: 02/05/18 Time: 00:54

Sample: 2012 2017

Included observations: 6

Cross-sections included: 38

Total pool (balanced) observations: 228

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.394698	0.464358	5.157011	0.0000
LOG(NI?)	-0.025322	0.041590	-0.608845	0.5434
LOG(UU?)	0.894989	0.054055	16.55687	0.0000
LOG(UMK?)	0.012924	0.003243	3.985641	0.0001

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.999920	Mean dependent var	11.20239
Adjusted R-squared	0.999903	S.D. dependent var	0.520078
S.E. of regression	0.005114	Akaike info criterion	-7.552160
Sum squared resid	0.004891	Schwarz criterion	-6.935480
Log likelihood	901.9463	Hannan-Quinn criter.	-7.303348
F-statistic	58682.00	Durbin-Watson stat	0.592803
Prob(F-statistic)	0.000000		

LAMPIRAN 7

UJI HETEROKEADASTISITAS

Dependent Variable: RESABS
 Method: Panel Least Squares
 Date: 02/23/18 Time: 03:05
 Sample: 2012 2017
 Periods included: 6
 Cross-sections included: 38
 Total panel (balanced) observations: 228

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2.387886	20.30162	-0.117620	0.9065
LOGNI	-2.632730	7.201270	-0.365593	0.7150
LOGUU	3.053827	7.206158	0.423780	0.6721
LOGUMK	-0.511438	0.282160	-1.812581	0.0712
R-squared	0.044401	Mean dependent var		1.096953
Adjusted R-squared	0.031603	S.D. dependent var		1.194571
S.E. of regression	1.175543	Akaike info criterion		3.178726
Sum squared resid	309.5459	Schwarz criterion		3.238890
Log likelihood	-358.3747	Hannan-Quinn criter.		3.203000
F-statistic	3.469329	Durbin-Watson stat		1.285043
Prob(F-statistic)	0.016971			

LAMPIRAN 8**UJI MULTIKOLINEARITAS**

	LOG(TK)	LOG(NI)	LOG(UU)	LOG(UMK)
LOG(TK)	1.000000	0.999692	0.999918	0.253538
LOG(NI)	0.999692	1.000000	0.999706	0.263714
LOG(UU)	0.999918	0.999706	1.000000	0.251633
LOG(UMK)	0.253538	0.263714	0.251633	1.000000