

LAMPIRAN

Lampiran 1: Data Panel Penelitian

Negara	Tahun	Ekspor Kopi Indonesia (ton)	PDB Per Kapita (USD)	Produksi Kopi Indonesia (ton)	Konsumsi Kopi (kg)	Kurs (USD)
Amerika Serikat	2006	85503,2	46437,06712	682158	20667	9159,316667
	2007	66222,5	48061,53766	676475	21033	9141
	2008	65646	48401,42734	698016	21652	9698,9625
	2009	71603,7	47001,55535	682920	21436	10389,9375
	2010	63048	48373,87882	686920	21783	9090,433333
	2011	48094,7	49790,66548	634362	22044	8770,433333
	2012	69651,6	51450,1223	691163	22232	9386,629167
	2013	66138,1	52787,02695	675882	23417	10461,24
	2014	58308,5	54598,55069	643857	23767	11865,2113
	2015	65481,3	56469,00897	639411	24438	13389,41294
Jepang	2006	67012,3	35433,98896	682158	7268	9159,316667
	2007	51725,3	35275,22843	676475	7282	9141
	2008	52992,2	39339,29757	698016	7065	9698,9625
	2009	53678,5	40855,17564	682920	7130	10389,9375
	2010	59170,9	44507,67639	686920	7192	9090,433333
	2011	58878,9	48167,99727	634362	7015	8770,433333
	2012	51438,4	48603,47665	691163	7131	9386,629167
	2013	41920,4	40454,44746	675882	7435	10461,24
	2014	41234,3	38096,21151	643857	7494	11865,2113
	2015	41240,1	34474,13736	639411	7695	13389,41294
Jerman	2006	60225,2	36447,87232	682158	9151	9159,316667
	2007	43074,1	41814,8191	676475	8627	9141
	2008	89600,9	45699,19832	698016	9535	9698,9625
	2009	78876	41732,70725	682920	8897	10389,9375
	2010	63688,4	41785,55691	686920	9292	9090,433333
	2011	26461	46810,32796	634362	9460	8770,433333
	2012	50978,2	44065,24891	691163	8830	9386,629167
	2013	60418,5	46530,91143	675882	9378	10461,24
	2014	37976,7	48042,56343	643857	9926	11865,2113
	2015	47662,4	41323,9215	639411	10474	13389,41294

Lanjutan Tabel Data Panel Penelitian

Negara	Tahun	Ekspor Kopi Indonesia (ton)	PDB Per Kapita (USD)	Produksi Kopi Indonesia (ton)	Konsumsi Kopi (kg)	Kurs (USD)
Italia	2006	27635,5	33410,74744	682158	5593	9159,316667
	2007	19529,4	37698,78665	676475	5821	9141
	2008	30213,4	40640,18386	698016	5892	9698,9625
	2009	36188,4	36976,84553	682920	5806	10389,9375
	2010	26770,7	35849,3732	686920	5781	9090,433333
	2011	27344,4	38334,68385	634362	5689	8770,433333
	2012	29080,8	34814,12512	691163	5710	9386,629167
	2013	38152,5	35370,27526	675882	5634	10461,24
	2014	29745,5	35396,66572	643857	5820	11865,2113
	2015	43048,3	30171,74199	639411	5978	13389,41294
Malaysia	2006	8500,7	6222,982955	682158	1376	9159,316667
	2007	12407,5	7269,17114	676475	1706	9141
	2008	17370,4	8513,629541	698016	2,397	9698,9625
	2009	17803,2	7326,744435	682920	2927	10389,9375
	2010	26200,1	9071,356987	686920	3107	9090,433333
	2011	26382,1	10405,12062	634362	3173	8770,433333
	2012	33134,1	10779,50751	691163	2933	9386,629167
	2013	40580,4	10882,2891	675882	7023	10461,24
	2014	29136,2	11183,72943	643857	10318	11865,2113
	2015	38347,5	9648,553455	639411	10554	13389,41294

Sumber: Badan Pusat Statistik, World Bank, Kementerian Pertanian, dan International Coffee Organization

Lampiran 2: Model Regresi Data Panel

a. *Common Effect*b. *Fixed Effect*c. *Random Effect*

Source	SS	df	MS	Number of obs =	46
Model	7.58768455	4	1.89692114	F(4, 41) =	17.37
Residual	4.47799334	41	.10921935	Prob > F =	0.0000
Total	12.0656779	45	.268126175	R-squared =	0.6289
				Adj R-squared =	0.5927
				Root MSE =	.33048

lEkspor_Kopi	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lPDB	.4535979	.0928394	4.89	0.000	.2661049	.6410908
lProduksi_Kopi	3.123113	1.683371	1.86	0.071	-.2765232	6.522749
lKonsumsi_Kopi	.1007669	.0459966	2.19	0.034	.007875	.1936588
lKurs	.8599049	.4649531	1.85	0.072	-.0790869	1.798897
_cons	-44.75603	24.25411	-1.85	0.072	-93.73819	4.226129

Fixed-effects (within) regression
 Group variable: Negara

Number of obs = 46
 Number of groups = 5

R-sq: within = 0.4515
 between = 0.6983
 overall = 0.5850

Obs per group: min = 8
 avg = 9.2
 max = 10

corr(u_i, Xb) = -0.9161
 F(4, 37) = 7.61
 Prob > F = 0.0001

lEkspor_Kopi	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lPDB	1.350759	.3274965	4.12	0.000	.6871881	2.01433
lProduksi_Kopi	4.032633	1.286508	3.13	0.003	1.42592	6.639347
lKonsumsi_Kopi	.0683503	.0358128	1.91	0.064	-.0042133	.1409139
lKurs	.6315145	.3511953	1.80	0.080	-.0800748	1.343104
_cons	-63.83361	19.32358	-3.30	0.002	-102.9869	-24.68032
sigma_u	.67192496					
sigma_e	.24544485					
rho	.88227463	(fraction of variance due to u_i)				

F test that all u_i=0: F(4, 37) = 9.33 Prob > F = 0.0000

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Random-effects GLS regression           Number of obs   =       46
Group variable: Negara                 Number of groups =        5

R-sq:  within = 0.4242                 Obs per group: min =        8
      between = 0.7115                   avg =           9.2
      overall = 0.6068                   max =          10

                                           Wald chi2(4)    =       28.84
corr(u_i, X) = 0 (assumed)             Prob > chi2     =       0.0000

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lEkspor_Kopi	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
lPDB	.794424	.2109914	3.77	0.000	.3808885	1.207959
lProduksi_Kopi	3.530241	1.30373	2.71	0.007	.9749762	6.085505
lKonsumsi_Kopi	.0724586	.0367772	1.97	0.049	.0003766	.1445407
lKurs	.6768376	.3609956	1.87	0.061	-.0307008	1.384376
_cons	-51.82253	19.06655	-2.72	0.007	-89.19227	-14.45278
sigma_u	.34820664					
sigma_e	.24544485					
rho	.6680653	(fraction of variance due to u_i)				

Lampiran 3: Pemilihan Model

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Fixed-effects (within) regression      Number of obs   =      46
Group variable: Negara                Number of groups =       5

R-sq:  within = 0.4515                Obs per group:  min =       8
        between = 0.6983                avg =           9.2
        overall = 0.5850                max =          10

corr(u_i, Xb) = -0.9161                F(4,37)         =       7.61
                                         Prob > F         =       0.0001

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lEkspor_Kopi	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lPDB	1.350759	.3274965	4.12	0.000	.6871881	2.01433
lProduksi_Kopi	4.032633	1.286508	3.13	0.003	1.42592	6.639347
lKonsumsi_Kopi	.0683503	.0358128	1.91	0.064	-.0042133	.1409139
lKurs	.6315145	.3511953	1.80	0.080	-.0800748	1.343104
_cons	-63.83361	19.32358	-3.30	0.002	-102.9869	-24.68032
sigma_u	.67192496					
sigma_e	.24544485					
rho	.88227463	(fraction of variance due to u_i)				

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F test that all u_i=0:      F(4, 37) =      9.33      Prob > F = 0.0000

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	Coefficients			
	(b) fe	(B) re	(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
lPDB	1.350759	.794424	.5563351	.2504728
lProduksi_~i	4.032633	3.530241	.5023926	.
lKonsumsi_~i	.0683503	.0724586	-.0041083	.
lKurs	.6315145	.6768376	-.0453231	.

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b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

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Test: Ho: difference in coefficients not systematic
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chi2(4) = (b-B)'[(V_b-V_B)^(-1)](b-B)
          =      4.81
Prob>chi2 =      0.3075
(V_b-V_B is not positive definite)

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Lampiran 4: Uji Asumsi Klasik

- Multikolinearitas

Source	SS	df	MS			
Model	7.58768455	4	1.89692114	Number of obs =	46	
Residual	4.47799334	41	.10921935	F(4, 41) =	17.37	
Total	12.0656779	45	.268126175	Prob > F =	0.0000	
				R-squared =	0.6289	
				Adj R-squared =	0.5927	
				Root MSE =	.33048	

lEkspor_Kopi	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lPDB	.4535979	.0928394	4.89	0.000	.2661049	.6410908
lProduksi_Kopi	3.123113	1.683371	1.86	0.071	-.2765232	6.522749
lKonsumsi_Kopi	.1007669	.0459966	2.19	0.034	.007875	.1936588
lKurs	.8599049	.4649531	1.85	0.072	-.0790869	1.798897
_cons	-44.75603	24.25411	-1.85	0.072	-93.73819	4.226129

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Variable	VIF	1/VIF
lKonsumsi_~i	1.66	0.602213
lPDB	1.58	0.631624
lProduksi_~i	1.19	0.843032
lKurs	1.16	0.862525
Mean VIF	1.40	

- Heteroskedastisitas

Source	SS	df	MS	Number of obs =	46
Model	7.58768455	4	1.89692114	F(4, 41) =	17.37
Residual	4.47799334	41	.10921935	Prob > F =	0.0000
Total	12.0656779	45	.268126175	R-squared =	0.6289
				Adj R-squared =	0.5927
				Root MSE =	.33048

lEkspor_Kopi	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
lPDB	.4535979	.0928394	4.89	0.000	.2661049 .6410908
lProduksi_Kopi	3.123113	1.683371	1.86	0.071	-.2765232 6.522749
lKonsumsi_Kopi	.1007669	.0459966	2.19	0.034	.007875 .1936588
lKurs	.8599049	.4649531	1.85	0.072	-.0790869 1.798897
_cons	-44.75603	24.25411	-1.85	0.072	-93.73819 4.226129

. hettest

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity

Ho: Constant variance

Variables: fitted values of lEkspor_Kopi

chi2(1) = 3.59

Prob > chi2 = 0.0581

- Perbandingan Semua Variabel

Variable	fe	re	ols
lPDB	.79442402***	.79442402***	.79442402***
lProduksi_~i	3.5302408**	3.5302408**	3.5302408**
lKonsumsi_~i	.07245861*	.07245861*	.07245861*
lKurs	.6768376	.6768376	.6768376
_cons	-51.822529**	-51.822529**	-51.822529**
N	46	46	46
r2			
r2_a			

legend: * p<0.05; ** p<0.01; *** p<0.001