

# LAMPIRAN

<b>Negara Tujuan</b>	<b>Tahun</b>	<b>Ekspor Teh (Ton)</b>	<b>Produksi (Ton)</b>	<b>Harga Teh Dunia (USD)</b>	<b>Nilai Tukar</b>	<b>GDP (USD)</b>
Rusia	2008	15881	153971	2,3538	10179	1660844,41
Rusia	2009	18033	156901	2,8239	10894	1222643,70
Rusia	2010	13594	150342	2,8849	9583	1524916,11
Rusia	2011	11545	146603	2,6302	9279	2051661,73
Rusia	2012	10441	143413	2,6289	9880	2210256,98
Rusia	2013	10006	145855	2,6078	10951	2297128,04
Rusia	2014	9174	154369	2,5132	12378	2063662,67
Rusia	2015	11445	132615	2,8376	13891	1368400,71
Rusia	2016	9741	144015	2,8553	13807	1284727,60
Rusia	2017	9323	139362	3,2363	13884	1577524,15
Malaysia	2008	9019	153971	2,3538	10179	230813,60
Malaysia	2009	7992	156901	2,8239	10894	202257,59
Malaysia	2010	8494	150342	2,8849	9583	255016,61
Malaysia	2011	7588	146603	2,6302	9279	297951,96
Malaysia	2012	7222	143413	2,6289	9880	314443,15
Malaysia	2013	8877	145855	2,6078	10951	323277,16
Malaysia	2014	10306	154369	2,5132	12378	338061,96
Malaysia	2015	8604	132615	2,8376	13891	296434,00
Malaysia	2016	8310	144015	2,8553	13807	296535,93
Malaysia	2017	8794	139362	3,2363	13884	314500,28
Pakistan	2008	12365	153971	2,3538	10179	170077,81
Pakistan	2009	11075	156901	2,8239	10894	168152,78
Pakistan	2010	10491	150342	2,8849	9583	177406,85
Pakistan	2011	7686	146603	2,6302	9279	213587,41
Pakistan	2012	8875	143413	2,6289	9880	224383,62
Pakistan	2013	8220	145855	2,6078	10951	231218,57
Pakistan	2014	7435	154369	2,5132	12378	244360,89
Pakistan	2015	5463	132615	2,8376	13891	270556,13
Pakistan	2016	3801	144015	2,8553	13807	278654,64
Pakistan	2017	4276	139362	3,2363	13884	304951,82
Amerika Serikat	2008	7310	153971	2,3538	10179	14718582,00
Amerika Serikat	2009	7089	156901	2,8239	10894	14418739,00
Amerika Serikat	2010	6295	150342	2,8849	9583	14964372,00
Amerika Serikat	2011	6025	146603	2,6302	9279	15517926,00

Amerika Serikat	2012	3999	143413	2,6289	9880	16155255,00
Amerika Serikat	2013	4812	145855	2,6078	10951	16691517,00
Amerika Serikat	2014	4413	154369	2,5132	12378	17427609,00
Amerika Serikat	2015	3842	132615	2,8376	13891	18120714,00
Amerika Serikat	2016	3994	144015	2,8553	13807	18624475,00
Amerika Serikat	2017	3665	139362	3,2363	13884	19390604,00
Jerman	2008	8072	153971	2,3538	10179	3752365,61
Jerman	2009	7236	156901	2,8239	10894	3418005,00
Jerman	2010	5880	150342	2,8849	9583	3417094,56
Jerman	2011	5001	146603	2,6302	9279	3757698,28
Jerman	2012	4919	143413	2,6289	9880	3543983,91
Jerman	2013	5184	145855	2,6078	10951	3752513,50
Jerman	2014	4325	154369	2,5132	12378	3890606,89
Jerman	2015	4953	132615	2,8376	13891	3375611,10
Jerman	2016	4104	144015	2,8553	13807	3477796,27
Jerman	2017	3570	139362	3,2363	13884	3677439,13

## Common Effect Model

Source	SS	df	MS			
Model	3.13366199	4	.783415497	Number of obs =	50	
Residual	5.08109807	45	.11291329	F( 4, 45) =	6.94	
Total	8.21476006	49	.167648164	Prob > F =	0.0002	
				R-squared =	0.3815	
				Adj R-squared =	0.3265	
				Root MSE =	.33603	

  

lekspor	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lproduksi	1.7701	1.203712	1.47	0.148	-.6543013	4.194501
lhargadunia	-.2761605	.6879912	-0.40	0.690	-1.661846	1.109525
lkurs	-.5110713	.3880602	-1.32	0.195	-1.292665	.270522
lgdp	-.1176112	.0294396	-4.00	0.000	-.1769056	-.0583169
_cons	-5.461382	16.1767	-0.34	0.737	-38.04293	27.12016

## Fixed Effect Model

Fixed-effects (within) regression	Number of obs =	50
Group variable: id	Number of groups =	5
R-sq: within = 0.5782	Obs per group: min =	10
between = 0.3281	avg =	10.0
overall = 0.2714	max =	10
	F(4,41) =	14.05
corr(u_i, Xb) = -0.9508	Prob > F =	0.0000

lekspor	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lproduksi	1.05559	.6843791	1.54	0.131	-.3265417	2.437721
lhargadunia	-.5453108	.3800054	-1.44	0.159	-1.312747	.2221256
lkurs	-.4092458	.2116266	-1.93	0.060	-.8366344	.0181428
lgdp	-.7026351	.1773902	-3.96	0.000	-1.060882	-.3443882
_cons	10.65632	9.993769	1.07	0.293	-9.526505	30.83915
sigma_u	1.0991196					
sigma_e	.18130493					
rho	.97351073	(fraction of variance due to u_i)				

F test that all u\_i=0: F(4, 41) = 28.39 Prob > F = 0.0000

## Random Effect Model

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Random-effects GLS regression           Number of obs   =       50
Group variable: id                     Number of groups =        5

R-sq:  within = 0.5114                 Obs per group:  min =       10
      between = 0.3281                   avg =       10.0
      overall = 0.3455                   max =       10

Wald chi2(4) =       41.88
corr(u_i, X) = 0 (assumed)             Prob > chi2     =       0.0000

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lekspor	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
lproduksi	1.61987	.7106771	2.28	0.023	.2269688	3.012772
lhargadunia	-.3327508	.4035789	-0.82	0.410	-1.123751	.4582492
lkurs	-.4896619	.2270121	-2.16	0.031	-.9345975	-.0447264
lgdp	-.2406156	.0893052	-2.69	0.007	-.4156507	-.0655806
_cons	-2.072549	9.746982	-0.21	0.832	-21.17628	17.03118
sigma_u	.33037038					
sigma_e	.18130493					
rho	.7685369	(fraction of variance due to u_i)				

## Uji Hausman

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chi2(4) = (b-B)' [(V_b-V_B)^(-1)] (b-B)
          =          9.09
Prob>chi2 =          0.0590
(V_b-V_B is not positive definite)

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## Uji Multikolinearitas

Variable	VIF	1/VIF
lkurs	1.54	0.650259
lproduksi	1.52	0.655962
lhargadunia	1.48	0.677869
lgdp	1.00	0.998429
Mean VIF	1.38	

## Uji Heterokedastisitas

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity

Ho: Constant variance

Variables: fitted values of lekspor

chi2(1) = 0.14

Prob > chi2 = 0.7094