

LAMPIRAN

Lampiran 1 Hasil Uji *The Poisson Pseudo-Maximum Likelihood Estimator* (PPML)

note: starting ppml estimation

Iteration 1: deviance = 5.35e+07
Iteration 2: deviance = 4.81e+07
Iteration 3: deviance = 4.79e+07
Iteration 4: deviance = 4.79e+07
Iteration 5: deviance = 4.79e+07
Iteration 6: deviance = 4.79e+07
Iteration 7: deviance = 4.79e+07

Number of parameters: 5
Number of observations: 48
Pseudo log-likelihood: -23959371
R-squared: .74710869
Option strict is: off

import	Robust		z	P> z	[95% Conf. Interval]	
	Coef.	Std. Err.				
ldist	-1.263515	.1035797	-12.20	0.000	-1.466528	-1.060503
lgdpi	.8805546	.1393621	6.32	0.000	.6074099	1.153699
lgdpj	5.808588	1.645398	3.53	0.000	2.583667	9.033509
lpopj	-21.19119	6.061403	-3.50	0.000	-33.07133	-9.311063
_cons	251.7345	73.38	3.43	0.001	107.9123	395.5566

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end of do-file

Lampiran 2 Hasil Uji *Maximum Likelihood Estimation* (MLE)

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. xtreg limport ldist lgdpi lgdpj lpopj, mle
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Fitting constant-only model:

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Iteration 0: log likelihood = -76.2092
Iteration 1: log likelihood = -54.410714
Iteration 2: log likelihood = -44.979021
Iteration 3: log likelihood = -41.192164
Iteration 4: log likelihood = -39.707033
Iteration 5: log likelihood = -39.20142
Iteration 6: log likelihood = -39.09066
Iteration 7: log likelihood = -39.081453
Iteration 8: log likelihood = -39.081353
```

Fitting full model:

```
Iteration 0: log likelihood = -10.872895
Iteration 1: log likelihood = -10.544127
Iteration 2: log likelihood = -10.518398
Iteration 3: log likelihood = -10.518318
```

```
Random-effects ML regression           Number of obs   =       48
Group variable: country                Number of groups =        4

Random effects u_i ~ Gaussian          Obs per group: min =       12
                                           avg =       12.0
                                           max =       12

LR chi2(4)                             =       57.13
Prob > chi2                             =       0.0000

Log likelihood = -10.518318
```

limport	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
ldist	-1.172594	.230183	-5.09	0.000	-1.623745	-.7214437
lgdpi	1.128974	.2800295	4.03	0.000	.5801263	1.677822
lgdpj	6.269585	1.449471	4.33	0.000	3.428673	9.110496
lpopj	-21.18221	5.762228	-3.68	0.000	-32.47596	-9.888446
_cons	231.7146	71.14207	3.26	0.001	92.27876	371.1505
/sigma_u	.1936838	.0823225			.0841981	.4455376
/sigma_e	.278091	.0297106			.225552	.3428683
rho	.3266353	.1953938			.0653829	.7299434

```
Likelihood-ratio test of sigma_u=0: chibar2(01)= 10.91 Prob>=chibar2 = 0.000
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Data Penelitian

Negara	Tahun	Impor	Jarak	PDBj	PDBi	POPj
Malaysia	2006	3193334,00	735,98	602626663572,802	216303028282,26	229838202
Malaysia	2007	6411927,00	735,98	640863459320,349	236695353388,59	232989141
Malaysia	2008	8923145,00	735,98	679403088245,167	244552678743,29	236159276
Malaysia	2009	5688431,00	735,98	710851782010,380	238375704355,66	239340478
Malaysia	2010	8648721,00	735,98	755094160363,071	255016609232,87	242524123
Malaysia	2011	10404867,00	735,98	801681840622,493	268516655800,81	245707511
Malaysia	2012	12243573,00	735,98	850023661688,382	283216292570,86	248883232
Malaysia	2013	13322533,00	735,98	897261717986,534	296507404302,88	252032263
Malaysia	2014	10855394,00	735,98	942184637117,355	314333923193,94	255131116
Malaysia	2015	8530668,00	735,98	988127958652,971	329952500698,52	258162113
Malaysia	2016	7200943,00	735,98	932256495234,247	296535930381,12	261115456
Malaysia	2017	9058604,00	735,98	1015539017536,500	314500279043,81	263991379
Thailand	2006	2983483,00	1445,85	602626663572,802	297864826688,79	229838202
Thailand	2007	4287065,00	1445,85	640863459320,349	314054055752,50	232989141
Thailand	2008	6336146,00	1445,85	679403088245,167	319473585807,46	236159276
Thailand	2009	4612923,00	1445,85	710851782010,380	317266875218,10	239340478
Thailand	2010	7470735,00	1445,85	755094160363,071	341105009515,33	242524123
Thailand	2011	10405115,00	1445,85	801681840622,493	343970153353,70	245707511

Negara	Tahun	Impor	Jarak	PDBj	PDBi	POPj
Thailand	2012	11437239,00	1445,85	850023661688,382	368883177547,46	248883232
Thailand	2013	10703074,00	1445,85	897261717986,534	378796469984,96	252032263
Thailand	2014	9781053,00	1445,85	942184637117,355	382525395708,79	255131116
Thailand	2015	8083368,00	1445,85	988127958652,971	394078328227,44	258162113
Thailand	2016	8666933,00	1445,85	932256495234,247	411755164832,67	261115456
Thailand	2017	9035564,00	1445,85	1015539017536,500	455220920571,13	263991379
Singapore	2006	10034535,00	560,93	602626663572,802	185842757609,09	229838202
Singapore	2007	9839795,00	560,93	640863459320,349	202775870920,43	232989141
Singapore	2008	21790140,00	560,93	679403088245,167	206400733406,67	236159276
Singapore	2009	15550398,00	560,93	710851782010,380	205155335533,55	239340478
Singapore	2010	20240831,00	560,93	755094160363,071	236421782178,22	242524123
Singapore	2011	25964666,00	560,93	801681840622,493	251137660432,71	245707511
Singapore	2012	26087259,00	560,93	850023661688,382	260860359369,27	248883232
Singapore	2013	25581520,00	560,93	897261717986,534	273906490649,07	252032263
Singapore	2014	25186115,00	560,93	942184637117,355	283691162449,58	255131116
Singapore	2015	18022559,00	560,93	988127958652,971	289173890722,41	258162113
Singapore	2016	14548298,00	560,93	932256495234,247	309763879840,75	261115456
Singapore	2017	16992133,00	560,93	1015539017536,500	323907234412,34	263991379
Vietnam	2006	846803,00	1883,23	602626663572,802	91307613276,97	229838202
Vietnam	2007	994197,00	1883,23	640863459320,349	97817393659,75	232989141
Vietnam	2008	717668,00	1883,23	679403088245,167	103355590690,42	236159276

Negara	Tahun	Impor	Jarak	PDBj	PDBi	POPj
Vietnam	2009	653742,00	1883,23	710851782010,380	108934619580,61	239340478
Vietnam	2010	1142267,00	1883,23	755094160363,071	115931749697,24	242524123
Vietnam	2011	2382948,00	1883,23	801681840622,493	123166241860,42	245707511
Vietnam	2012	2595006,00	1883,23	850023661688,382	129629226783,14	248883232
Vietnam	2013	2722637,00	1883,23	897261717986,534	136657571781,86	252032263
Vietnam	2014	3417777,00	1883,23	942184637117,355	144834688912,57	255131116
Vietnam	2015	3161531,00	1883,23	988127958652,971	154508616051,56	258162113
Vietnam	2016	3228402,00	1883,23	932256495234,247	205276172134,90	261115456
Vietnam	2017	3075870,00	1883,23	1015539017536,500	223863996354,66	263991379

Negara	Lima Komoditas Impor Indonesia Terbanyak				
	BBM	Sparepart Kendaraan	Mesin Listrik	Perabot	Pangan
Malaysia	3.558.762.064	88.859.886	592.148.266	29.854.415	84.476.311
Singapore	9.070.354.319	57.747.429	1.755.740.596	10.253.466	26.527.078
Vietnam	14.561.244	92.135.032	1.081.481.459	19.458.930	357.034.118
Thailand	81.417.723	1.662.602.060	506.815.255	40.970.281	895.565.318