

LAMPIRAN

Lampiran 1 Klasifikasi Empirical Trade Analysis (ETA)

Product group A: primary products (83 sectors)

Product group B: natural-resource intensive products (21 sectors)

Product group C: unskilled-labor intensive products (26 sectors)

Product group D: technology intensive products (62 sectors)

Product group E: human-capital intensive products (43 sectors)

Sectors not classified according to intensity (5 sectors)

PRODUCT GROUP A: PRIMARY PRODUCTS

ETA Code Description

001 Live animals chiefly for food

011 Meat, edible meat offal, fresh, chilled or frozen

012 Meat & edible offal, salted, in brine, dried/smoked

014 Meat & edible offal, prepared, preserved, nes; fish extracts

022 Milk and cream

023 Butter

024 Cheese and curd

025 Eggs and yolks, fresh, dried or otherwise preserved

034 Fish, fresh (live or dead), chilled or frozen

035 Fish, dried, salted or in brine; smoked fish

036 Crustaceans and molluscs, fresh, chilled, frozen etc.

037 Fish, crustaceans and molluscs, prepared or preserved

041 Wheat (including spelt) and meslin, unmilled

042 Rice

043 Barley, unmilled

- 044 Maize (corn), unmilled*
- 045 Cereals, unmilled (no wheat, rice, barley or maize)*
- 046 Meal and flour of wheat and flour of meslin*
- 047 Other cereal meals and flours*
- 048 Cereal prepared & preserved of flour of fruits or veg.*
- 054 Vegetable, fresh, chilled, frozen/preserved.; roots, tubers*
- 056 Vegetable roots & tubers, prepared/preserved n.e.s.*
- 057 Fruit & nuts (not includ. oil nuts), fresh or dried*
- 058 Fruit, preserved, and fruit preparations*
- 061 Sugar and honey*
- 062 Sugar confectionery and other sugar preparations*
- 071 Coffee and coffee substitutes*
- 072 Cocoa*
- 073 Chocolate & other food preptns. containing cocoa*
- 074 Tea and mate*
- 075 Spices*
- 081 Feed. stuff for animals (not incl.unmilled cereals)*
- 091 Margarine and shortening*
- 098 Edible products and preparations n.e.s.*
- 111 Non-alcoholic beverages, n.e.s.*
- 112 Alcoholic beverages*
- 121 Tobacco, unmanufactured; tobacco refuse*
- 122 Tobacco manufactured 211 hides and skins (except fur skins), raw*
- 212 Furskins, raw (includ. astrakhan, caracul, etc.)*
- 222 Oil seeds and oleaginous fruit, whole or broken*
- 223 Oils seeds and oleaginous fruit, whole or broken*
- 232 Natural rubber latex; nat rubber & sim. nat. gums*

- 233 *Synth. rub. lat.; synth. rubb. & reclaimed; waste scrap*
- 244 *Cork, natural, raw & waste (includ.in blocks/sheets)*
- 245 *Fuel wood (excluding wood waste) and wood charco.*
- 246 *Pulpwood (including chips and wood waste)*
- 247 *Other wood in the rough or roughly squared*
- 248 *Wood, simply worked, and railway sleepers of wood*
- 251 *Pulp and waste paper*
- 261 *Silk*
- 263 *Cotton*
- 264 *Jute & other textile bast fibres, nes, raw/processed*
- 265 *Vegetable textile fibres and waste of such fibres*
- 266 *Synthetic fibres suitable for spinning*
- 267 *Other man-made fibres suitable for spinning & waste*
- 268 *Wool and other animal hair (excluding wool tops)*
- 269 *Old clothing and other old textile articles; rags*
- 271 *Fertilizers, crude*
- 273 *Stone, sand and gravel*
- 274 *Sulphur and unroasted iron pyrites*
- 277 *Natural abrasives, n.e.s (incl.industrial diamonds)*
- 278 *Other crude minerals*
- 281 *Iron ore and concentrates*
- 282 *Waste and scrap metal of iron or steel*
- 286 *Ores and concentrates of uranium and thorium*
- 287 *Ores and concentrates of base metals, n.e.s.*
- 288 *Non-ferrous base metal waste and scrap, n.e.s.*
- 289 *Ores & concentrates of precious metals; waste, scra*
- 291 *Crude animal materials, n.e.s.*

- 292 *Crude vegetable materials, n.e.s.*
- 322 *Coal, lignite and peat*
- 323 *Briquettes; coke and semi-coke of coal, lignite/peat*
- 333 *Petrol. oils & crude oils obt.from bitumin.minerals*
- 334 *Petroleum products, refined*
- 335 *Residual petroleum products, nes. & relat. materials*
- 341 *Gas, natural and manufactured*
- 351 *Electric current*
- 411 *Animal oils and fats*
- 423 *Fixed vegetable oils, soft, crude, refined/purified*
- 424 *Other fixed vegetable oils, fluid or solid, crude*
- 431 *Animal & vegetable oils and fats, processed & waxes*
- 941 *Animals, live, n.e.s., incl. zoo-animals*

PRODUCT GROUP B: NATURAL-RESOURCE INTENSIVE PRODUCTS
ETA CODE DESCRIPTION

- 524 *Radio-active and associated materials*
- 611 *Leather*
- 612 *Manufactures of leather/of composition leather nes.*
- 613 *Furskins,tanned/dressed,pieces/cuttings of furskin*
- 633 *Cork manufactures*
- 634 *Veneers, plywood, improved or reconstituted wood*
- 635 *Wood manufactures, n.e.s.*
- 661 *Lime, cement, and fabricated construction materials*
- 662 *Clay construct. materials & refractory constr. mate*
- 663 *Mineral manufactures, n.e.s*
- 667 *Pearls, precious & semi-prec.stones, unwork./worked*

- 671 Pig iron, spiegeleisen, sponge iron, iron or steel
- 681 Silver, platinum & oth.metals of the platinum group
- 682 Copper
- 683 Nickel
- 684 Aluminium
- 685 Lead
- 686 Zinc
- 687 Tin
- 688 Uranium depleted in u235 & thorium, & their alloys
- 689 Miscell. non-ferrous base metals employ.in metallgy

PRODUCT GROUP C: UNSKILLED-LABOUR INTENSIVE PRODUCTS
ETA CODE DESCRIPTION

- 651 Textile yarn
- 652 Cotton fabrics, woven
- 653 fabrics, woven, of man-made fibres
- 654 Textil.fabrics, woven, oth.than cotton/man-made fibr
- 655 Knitted or crocheted fabrics
- 656 Tulle, lace, embroidery, ribbons,& other small wares
- 657 Special textile fabrics and related products
- 658 Made-up articles, wholly/chiefly of text.materials
- 659 Floor coverings, etc.
- 664 Glass
- 665 Glassware
- 666 Pottery
- 793 Ships, boats and floating structures
- 812 Sanitary, plumbing, heating, lighting fixtures

- 821 Furniture and parts thereof
- 831 Travel goods, handbags, brief-cases, purses, sheaths
- 842 Outer garments, mens, of textile fabrics
- 843 Outer garments, womens, of textile fabrics
- 844 Under garments of textile fabrics
- 845 Outer garments and other articles, knitted
- 846 Under garments, knitted or crocheted
- 847 Clothing accessories of textile fabrics
- 848 Art.of apparel & clothing accessories, no textile
- 851 Footwear
- 894 Baby carriages, toys, games and sporting goods
- 895 Office and stationery supplies, n.e.s.

**PRODUCT GROUP D: TECHNOLOGY INTENSIVE PRODUCTS ETA
CODE DESCRIPTION**

- 511 Hydrocarbons nes, & their halogen & etc.derivatives
- 512 Alcohols, phenols, phenol-alcohols, & their derivat.
- 513 Carboxylic acids, & their anhydrides, halides,etc.
- 514 Nitrogen
- 515 Organo-inorganic and heterocyclic compounds
- 516 Other organic chemicals
- 522 Inorganic chemical elements, oxides & halogen salts
- 523 Other inorganic chemicals
- 541 Medicinal and pharmaceutical products
- 562 Fertilizers, manufactured
- 572 Explosives and pyrotechnic products
- 582 Condensation, polycondensation & polyaddition prod

- 583 Polymerization and copolymerization products
- 584 Regenerated cellulose; cellulose nitrate, etc.
- 585 Other artificial resins and plastic materials
- 591 Disinfectants, insecticides, fungicidesweed killers
- 592 Starches, inulin &wheat gluten; albuminoidal subst.
- 598 Miscellaneous chemical products, n.e.s.
- 711 Steam & other vapour generating boilers & parts
- 712 Steam & other vapour power units, steam engines
- 713 Internal combustion piston engines & parts
- 714 Engines & motors, non-electric
- 716 Rotating electric plant and parts
- 718 Other power generating machinery and parts
- 721 Agricultural machinery and parts
- 722 Tractors fitted or not with power take-offs, etc.
- 723 Civil engineering & contractors plant and parts
- 724 Textile & leather machinery and parts
- 725 Paper & pulp mill mach., mach for manuf.of paper
- 726 Printing & bookbinding mach. and parts
- 727 Food processing machines and parts
- 728 Mach.& equipment specialized for particular ind.
- 736 Mach.tools for working metal or met.carb., parts
- 737 Metal working machinery and parts
- 741 Heating & cooling equipment and parts
- 742 Pumps for liquids.liq.elevators and parts
- 743 Pumps & compressors,fans & blowers,centrifuges
- 744 Mechanical handling equip.and parts
- 745 Other non-electrical mach.tools,apparatus & parts

- 749 Non-electric parts and accessories of machines
- 751 Office machines
- 752 Automatic data processing machines & units thereof
- 759 Parts of and accessories suitable for 751--or 752-
- 764 Telecommunications equipment and parts
- 771 Electric power machinery and parts thereof
- 772 Elect.app. such as switches, relays, fuses, pwgs etc.
- 773 Equipment for distributing electricity
- 774 Electric apparatus for medical purposes,(radiolog)
- 775 Household type, elect. & non-electrical equipment
- 776 Thermionic, cold & photo-cathode valves, tubes, parts
- 778 Electrical machinery and apparatus, n.e.s.
- 792 Aircraft & associated equipment and parts
- 871 Optical instruments and apparatus
- 872 Medical instruments and appliances
- 873 Meters and counters,n.e.s.
- 874 Measuring, checking, analysing instruments
- 881 Photographic apparatus and equipment, n.e.s.
- 882 Photographic & cinematographic supplies
- 883 Cinematograph film, exposed-developed, neg.or pos.
- 884 Optical goods, n.e.s.
- 893 Articles of materials described in division 58
- 951 Armoured fighting vehicles,arms of war & ammunit.

**PRODUCT GROUP E: HUMAN-CAPITAL INTENSIVE PRODUCTS ETA
CODE DESCRIPTION**

- 531 Synth.org.dyestuffs, etc.nat.indigo & colour lakes

532 Dyeing & tanning extracts; synth.tanning materials

533 Pigments, paints, varnishes & related materials

551 Essential oils, perfume and flavor materials

553 Perfumery, cosmetics and toilet preparations

554 Soap, cleansing and polishing preparations

621 Materials of rubber (e.g.,pastes.plates,sheets,etc)

625 Rubber tyres, tyre cases, etc.for wheels

628 Articles of rubber, n.e.s.

641 Paper and paperboard

642 Paper and paperboard, cut to size or shape

672 Ingots and other primary forms, of iron or steel

673 Iron and steel bars, rods, angles.shapes & sections

674 Universals, plates and sheets, of iron or steel

675 Hoop & strip, of iron/steel, hot-rolled/cold-rolled

676 Rails and railway track construction material

677 Iron/steel wire/wheth/not coated, but not insulated

678 Tubes, pipes and fittings, of iron or steel

679 Iron & steel castings, forgings & stampings; rough

691 Structures& parts of struc.; iron, steel, alumunium

692 Metal containers for storage and transport

693 Wire products and fencing grills

694 Nails, screws, nuts,bolts etc.of iron. steel, copper

695 Tools for use in hand or in machines

696 Cutlery

697 Household equipment of base metal, n.e.s.

699 Manufactures of base metal, n.e.s.

761 Television receivers

- 762 Radio-broadcast receivers
- 763 Gramophones, dictating, sound recorders etc
- 781 Passenger motor cars, for transport of pass.& good
- 782 Motor vehicles for transport of goods/materials
- 783 Road motor vehicles, n.e.s. 784 parts & accessories of 722-,781--,782-,783-
- 785 Motorcycles, motor scooters, invalid carriages
- 786 Trailers & other vehicles, not motorized
- 791 Railway vehicles & associated equipment
- 885 Watches and clocks
- 892 Printed matter
- 896 Art, collectors pieces & antiques
- 897 Jewellery, goldsmiths and other art. of precious m.
- 898 Musical instruments, parts and accessories
- 899 Other miscellaneous manufactured articles

3-DIGIT SECTORS NOT CLASSIFIED ETA CODE DESCRIPTION

- 911 Postal packages not classified according to kind
- 931 Special transactions & commod., not class.to kind
- 961 Coin (other than gold) not being legal tender
- 971 Gold, non-monetary
- 999 Non-identified products

lampiran 2 : Data panel penelitian

year	partner	export	gdpi	gdpj	Akses telepon s.	distmile
2008	Malaysia	1057888577.00	679403088245.17	241038904256.31	102.22	732.73
2009	Malaysia	912189715.00	710851782010.38	237390711216.67	109.20	732.73
2010	Malaysia	1012529445.00	755094160363.07	255016609232.87	120.44	732.73
2011	Malaysia	1188706945.00	801681840622.49	268516966253.76	128.03	732.73
2012	Malaysia	1336395634.00	850023661688.38	283214119400.21	141.67	732.73
2013	Malaysia	1615277343.00	897261717986.54	296507404302.88	144.77	732.73
2014	Malaysia	1190920887.00	942184637117.36	314317779640.50	148.63	732.73
2015	Malaysia	933404460.00	988128596686.37	330321318804.14	143.55	732.73
2016	Malaysia	938538908.00	1037863871681.45	344272143056.72	139.37	732.73
2017	Malaysia	1176704032.00	1090459494378.56	364573903324.95	133.88	732.73
2008	Philippines	420873555.00	679403088245.17	183332415224.72	75.06	1,251.63
2009	Philippines	596662411.00	710851782010.38	185437680419.18	81.96	1,251.63
2010	Philippines	817391746.00	755094160363.07	199590775190.26	88.72	1,251.63
2011	Philippines	819754064.00	801681840622.49	206895301780.44	98.86	1,251.63
2012	Philippines	732792881.00	850023661688.38	220723809025.30	105.28	1,251.63
2013	Philippines	816850367.00	897261717986.54	236315792450.90	104.41	1,251.63
2014	Philippines	770779141.00	942184637117.36	250838103975.00	111.21	1,251.63
2015	Philippines	654570419.00	988128596686.37	266055320224.32	115.85	1,251.63
2016	Philippines	806429110.00	1037863871681.45	284348525313.88	116.24	1,251.63
2017	Philippines	936110542.00	1090459494378.56	303355852257.34	110.40	1,251.63
2008	Singapore	4042870427.00	679403088245.17	206400733406.67	132.23	1,201.96
2009	Singapore	3355362414.00	710851782010.38	205155335533.55	138.65	1,201.96
2010	Singapore	4140747375.00	755094160363.07	236421782178.22	145.53	1,201.96
2011	Singapore	4604865785.00	801681840622.49	251436156949.03	150.58	1,201.96
2012	Singapore	4331981561.00	850023661688.38	261703043637.70	153.06	1,201.96
2013	Singapore	4247355791.00	897261717986.54	275078914558.12	157.40	1,201.96
2014	Singapore	4088880851.00	942184637117.36	285762669600.29	148.74	1,201.96
2015	Singapore	3104356446.00	988128596686.37	292166776677.67	148.74	1,201.96
2016	Singapore	3114030694.00	1037863871681.45	299170077007.70	150.48	1,201.96
2017	Singapore	3102675601.00	1090459494378.56	309995672900.62	146.82	1,201.96
2008	Thailand	932006858.00	679403088245.17	319473585807.46	92.92	1,923.17
2009	Thailand	705780424.00	710851782010.38	317266875218.10	98.61	1,923.17
2010	Thailand	1067828911.00	755094160363.07	341105009515.33	106.72	1,923.17
2011	Thailand	1276779165.00	801681840622.49	343970153353.70	114.69	1,923.17
2012	Thailand	1506418393.00	850023661688.38	368883177547.46	125.31	1,923.17
2013	Thailand	1597029384.00	897261717986.54	378796469984.96	137.72	1,923.17
2014	Thailand	1413482044.00	942184637117.36	382525395708.79	141.92	1,923.17
2015	Thailand	1255062643.00	988128596686.37	394078328227.44	149.94	1,923.17
2016	Thailand	1374971375.00	1037863871681.45	407014670809.51	173.78	1,923.17
2017	Thailand	1443609097.00	1090459494378.56	422940667450.40	176.03	1,923.17

2008	brunei	15017930.00	679403088245.17	13600124165.75	105.17	752.86
2009	brunei	32531546.00	710851782010.38	13360145141.18	107.59	752.86
2010	brunei	18094960.00	755094160363.07	13707370737.07	111.95	752.86
2011	brunei	29525967.00	801681840622.49	14220755408.87	112.47	752.86
2012	brunei	23309398.00	850023661688.38	14350568390.17	117.51	752.86
2013	brunei	35860139.00	897261717986.54	14045471213.79	115.55	752.86
2014	brunei	13794415.00	942184637117.36	13715438210.49	109.80	752.86
2015	brunei	16410419.00	988128596686.37	13637697103.04	110.98	752.86
2016	brunei	27680627.00	1037863871681.45	13301457645.76	123.69	752.86
2017	brunei	7934758.00	1090459494378.56	13478200979.25	127.07	752.86
2008	viet nam	431784359.00	679403088245.17	103355590690.42	86.35	1,543.13
2009	viet nam	401693613.00	710851782010.38	108934619580.61	112.17	1,543.13
2010	viet nam	450547584.00	755094160363.07	115931749697.24	126.11	1,543.13
2011	viet nam	506923902.00	801681840622.49	123166241860.42	142.36	1,543.13
2012	viet nam	515382559.00	850023661688.38	129629226783.14	145.57	1,543.13
2013	viet nam	596409061.00	897261717986.54	136657571781.86	135.23	1,543.13
2014	viet nam	592078764.00	942184637117.36	144834688912.57	147.12	1,543.13
2015	viet nam	700909958.00	988128596686.37	154508616051.56	128.59	1,543.13
2016	viet nam	767242813.00	1037863871681.45	164104855205.20	127.53	1,543.13
2017	viet nam	871537129.00	1090459494378.56	175284081081.18	125.62	1,543.13
2008	myanmar	24111994.00	679403088245.17	40874960811.62	0.74	2,424.29
2009	myanmar	29825500.00	710851782010.38	45187272895.31	1.01	2,424.29
2010	myanmar	28107551.00	755094160363.07	49540813342.48	1.18	2,424.29
2011	myanmar	76429637.00	801681840622.49	52310879190.54	2.46	2,424.29
2012	myanmar	48150225.00	850023661688.38	56146663569.60	7.31	2,424.29
2013	myanmar	81673856.00	897261717986.54	60877582017.39	13.28	2,424.29
2014	myanmar	83693089.00	942184637117.36	65742258214.07	55.91	2,424.29
2015	myanmar	83205327.00	988128596686.37	70339509334.18	78.23	2,424.29
2016	myanmar	62329046.00	1037863871681.45	74463144017.57	95.65	2,424.29
2017	myanmar	66261343.00	1090459494378.56	79495831532.59	89.84	2,424.29
2008	laos	961936.00	679403088245.17	6109448405.33	33.41	1,890.25
2009	laos	1701514.00	710851782010.38	6567765473.10	52.58	1,890.26
2010	laos	823410.00	755094160363.07	7127792629.58	64.09	1,890.27
2011	laos	1579662.00	801681840622.49	7700771122.88	86.54	1,890.28
2012	laos	15783789.00	850023661688.38	8318842593.39	67.03	1,890.29
2013	laos	491353.00	897261717986.54	8986537875.29	71.02	1,890.30
2014	laos	651868.00	942184637117.36	9670589852.95	70.23	1,890.31
2015	laos	2484160.00	988128596686.37	10373602257.49	55.93	1,890.32
2016	laos	1936380.00	1037863871681.45	11102149874.69	58.57	1,890.33
2017	laos	1168685.00	1090459494378.56	11867393084.39	54.12	1,890.34
2008	cambodia	9476802.00	679403088245.17	10600425244.36	30.52	1,615.02
2009	cambodia	7350173.00	710851782010.38	10609615490.72	44.48	1,615.02
2010	cambodia	7497849.00	755094160363.07	11242275198.98	56.96	1,615.02
2011	cambodia	16031019.00	801681840622.49	12037055707.68	94.63	1,615.02

2012	cambodia	14908574.00	850023661688.38	12917367180.25	129.29	1,615.02
2013	cambodia	15675385.00	897261717986.54	13867654629.75	134.89	1,615.02
2014	cambodia	15022749.00	942184637117.36	14858161721.69	133.93	1,615.02
2015	cambodia	16556900.00	988128596686.37	15903594933.66	134.37	1,615.02
2016	cambodia	16522201.00	1037863871681.45	16995073300.89	126.35	1,615.02
2017	cambodia	19308727.00	1090459494378.56	18201700723.30	116.04	1,615.02

Lampiran 3 : Model Regresi Data Panel

- **Vif**

Collinearity Diagnostics

Variable	VIF	SQRT VIF	Tolerance	R- Squared
lDistmile	1.59	1.26	0.6273	0.3727
lgdpi	1.23	1.11	0.8124	0.1876
lgdpj	1.68	1.30	0.5945	0.4055
aksestelepon	1.66	1.29	0.6008	0.3992
Mean VIF	1.54			

	Eigenval	Cond Index
1	2.0564	1.0000
2	1.1071	1.3629
3	0.4195	2.2142
4	0.4170	2.2207
Condition Number		2.2207
Eigenvalues & Cond Index	computed from deviation sscp (no intercept)	
Det(correlation matrix)	0.3982	

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- **Uji Heteroskedastisitas**

. hetttest

Breusch-Pagan / Cook-Weisberg test for heteroskedasticity
Ho: Constant variance
Variables: fitted values of leks

chi2(1) = 40.30
Prob > chi2 = 0.0000

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• Regresi menggunakan vce(robust)

```
. xtreg leks lDistmile lgdpi lgdpj aksestelepon, vce(robust)

Random-effects GLS regression           Number of obs   =       90
Group variable: Partner                 Number of groups =        9

R-sq:  within = 0.1783                  Obs per group:  min =       10
      between = 0.9769                               avg =      10.0
      overall  = 0.9546                               max =       10

                                           Wald chi2(4)    =     661.48
corr(u_i, X) = 0 (assumed)              Prob > chi2     =     0.0000
```

(Std. Err. adjusted for 9 clusters in Partner)

leks	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
lDistmile	-.6634542	.151091	-4.39	0.000	-.9595871	-.3673213
lgdpi	-1.095304	.3338304	-3.28	0.001	-1.7496	-.4410087
lgdpj	1.408296	.1065119	13.22	0.000	1.199537	1.617056
aksestelepon	.0060039	.002015	2.98	0.003	.0020546	.0099532
_cons	14.01487	9.310071	1.51	0.132	-4.232535	32.26227
sigma_u	.40197143					
sigma_e	.40948889					
rho	.49073668	(fraction of variance due to u_i)				

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• • Comman Effect

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. do "C:\Users\Toshiba\AppData\Local\Temp\STD07000000.tmp"

. reg leks lDistmile lgdpi lgdpj aksestelepon
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Source	SS	df	MS	Number of obs =	90
Model	545.210156	4	136.302539	F(4, 85) =	493.53
Residual	23.4750565	85	.276177136	Prob > F =	0.0000
Total	568.685212	89	6.38972149	R-squared =	0.9587
				Adj R-squared =	0.9568
				Root MSE =	.52553

leks	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lDistmile	-.6316721	.094709	-6.67	0.000	-.8199791	-.4433652
lgdpi	-1.547775	.4012519	-3.86	0.000	-2.345571	-.7499783
lgdpj	1.345397	.0503827	26.70	0.000	1.245223	1.445571
aksestelepon	.0109632	.001726	6.35	0.000	.0075315	.0143949
_cons	27.45754	11.00937	2.49	0.015	5.567957	49.34711

```
.
end of do-file
```

• Fixed Effect

```
. xtreg leks lDistmile lgdpi lgdpj aksestelepon, fe

Fixed-effects (within) regression      Number of obs   =      90
Group variable: Partner                Number of groups =      9

R-sq:  within = 0.1858                  Obs per group:  min =      10
      between = 0.9696                                avg =     10.0
      overall  = 0.9476                                max =      10

                                          F(4,77)         =      4.39
corr(u_i, Xb) = -0.7090                  Prob > F         =     0.0030
```

leks	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lDistmile	-.6877448	.7119004	-0.97	0.337	-2.10532	.7298299
lgdpi	-1.195186	.7089212	-1.69	0.096	-2.606828	.2164567
lgdpj	1.745583	.7289256	2.39	0.019	.2941069	3.19706
aksestelepon	.0038871	.0027575	1.41	0.163	-.0016038	.009378
_cons	8.571225	11.24563	0.76	0.448	-13.82168	30.96413
sigma_u	.65126901					
sigma_e	.40948889					
rho	.71667464	(fraction of variance due to u_i)				

```
F test that all u_i=0:      F(8, 77) =      7.87      Prob > F = 0.0000
```

```
.
end of do-file
```

• Random Effect

```
. xtreg leks lDistmile lgdpi lgdpj aksestelepon, fe

Fixed-effects (within) regression      Number of obs   =      90
Group variable: Partner                Number of groups =      9

R-sq:  within = 0.1858                  Obs per group:  min =      10
      between = 0.9696                                avg =     10.0
      overall  = 0.9476                                max =      10

                                          F(4,77)         =      4.39
corr(u_i, Xb) = -0.7090                  Prob > F         =     0.0030
```

leks	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lDistmile	-.6877448	.7119004	-0.97	0.337	-2.10532	.7298299
lgdpi	-1.195186	.7089212	-1.69	0.096	-2.606828	.2164567
lgdpj	1.745583	.7289256	2.39	0.019	.2941069	3.19706
aksestelepon	.0038871	.0027575	1.41	0.163	-.0016038	.009378
_cons	8.571225	11.24563	0.76	0.448	-13.82168	30.96413
sigma_u	.65126901					
sigma_e	.40948889					
rho	.71667464	(fraction of variance due to u_i)				

```
F test that all u_i=0:      F(8, 77) =      7.87      Prob > F = 0.0000
```

```
.
end of do-file
```


- **Uji chow**

```
. xtreg leks lDistmile lgdpi lgdpj aksestelepon, fe

Fixed-effects (within) regression           Number of obs   =       90
Group variable: Partner                    Number of groups =        9

R-sq:  within = 0.1858                     Obs per group:  min =       10
        between = 0.9696                   avg =           10.0
        overall = 0.9476                   max =           10

corr(u_i, Xb) = -0.7090                     F(4, 77)       =       4.39
                                                Prob > F       =       0.0030
```

leks	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lDistmile	-.6877448	.7119004	-0.97	0.337	-2.10532	.7298299
lgdpi	-1.195186	.7089212	-1.69	0.096	-2.606828	.2164567
lgdpj	1.745583	.7289256	2.39	0.019	.2941069	3.19706
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_cons	8.571225	11.24563	0.76	0.448	-13.82168	30.96413
sigma_u	.65126901					
sigma_e	.40948889					
rho	.71667464	(fraction of variance due to u_i)				

```
F test that all u_i=0:      F(8, 77) =      7.87      Prob > F = 0.0000
```

```
.
end of do-file
```

- **Hausman**

```
. hausman fe re
```

	— Coefficients —			
	(b) fe	(B) re	(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
lDistmile	-.6877448	-.6634542	-.0242907	.6769593
lgdpi	-1.195186	-1.095304	-.0998815	.5956418
lgdpj	1.745583	1.408296	.3372869	.7193669
ats	.0038871	.0060039	-.0021168	.0014681

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

```
Test: Ho: difference in coefficients not systematic
```

```
chi2(4) = (b-B)'[(V_b-V_B)^(-1)](b-B)
          =      2.94
Prob>chi2 =      0.5682
```

```
.
end of do-file
```

a. Uji Lagrange Multiplier

```
. do "C:\Users\Toshiba\AppData\Local\Temp\STD07000000.tmp"

. xttest0

Breusch and Pagan Lagrangian multiplier test for random effects

leks[Partner,t] = Xb + u[Partner] + e[Partner,t]

Estimated results:

```

	Var	sd = sqrt(Var)
leks	6.389721	2.52779
e	.1676812	.4094889
u	.161581	.4019714

```
Test:   Var(u) = 0
        chibar2(01) =    44.37
        Prob > chibar2 =    0.0000

.
end of do-file
```



**BI CORNER UNIVERSITAS MUHAMMADIYAH
YOGYAKARTA**

Gedung E2 Lantai 1 Fakultas Ekonomi dan Bisnis

Perpustakaan BI Corner Universitas Muhammadiyah Yogyakarta menyatakan bahwa Skripsi di bawah ini:

Nama : **Hairunnas**
 Prodi : **Ilmu Ekonomi**
 NIM : **20150430052**
 Judul : **PENGARUH TEKNOLOGI INFORMASI DAN KOMUNIKASI TERHADAP EKSPOR PRODUK PADAT TEKNOLOGI INDONESIA KE ASEAN: PENDEKATAN MODEL GRAVITASI**

Dosen Pembimbing : **Dyah Titis Kusuma Wardani, SE., MDEC.**

Telah dilakukan tes Turnitin dengan indeks similaritasnya sebesar : 9 %, dengan Filter 1%.

Semoga surat keterangan ini dapat digunakan sebagaimana mestinya.

Dosen Pembimbing Skripsi

Dyah Titis Kusuma Wardani, SE., MDEC.

Yogyakarta, 28 juni 2019
 Petugas Perpustakaan

M. Erdiansyah C.A., SIP