Yolanda dan Patria

by Lukman Hamdani

Submission date: 05-Nov-2020 03:15AM (UTC-0500)

Submission ID: 1433808390

File name: Yolanda_dan_Patria.pdf (511.88K)

Word count: 4942

Character count: 26542

THE ECONOMIC GROWTH AND AFFECTING FACTORS IN SUMATERA ISLAND

Abstract

The indicators of success in macro development can be measured from the economic growth, which is reflected in changes in the Gross Regional Domestic Product (GRDP). The factors which affect the economic growth are very complex. This study analyzes the economic growth and the factors that affect Sumatra island. The data used is panel data with descriptive analysis techniques and multiple linear regression. Based on the research results: Education, economic openness, road infrastructure, and investment have a positive and significant effect on economic growth. And poverty and unemployment have a negative and significant effect on economic growth. Besides that, the results of panel data explained that the openness of the economy to economic growth is very low, while the highest is education.

Keywords: Education, economic openness, road infrastructure, investment, poverty, unemployment, Economic Growth, OLS method.

A. Introduction

The important indicators in economic development can be indicated from the rate of economic growth, where the the economic growth is defined as the increasing per capita output within a certain period of time, Meanwhile, Sukirno (2011) stated that the development of activities in the economy has caused the increasing of goods and services produced in society. The economic growth of a country can reflect the welfare of the population of the country or it can also be an indicator of a country's ranking.

The measurement of the economic growth indicator is the growth rate of Gross Regional Domestic Product. The use of GRDP growth as a measurement of economic growth is caused by (1) GRDP is the result of the additional value of all production activities in the economy, (2) PDRB calculations include the value of products produced in a certain period, and (3) PDRB calculations, the border is the State (domestic economy).

The economic growth is reflected in changes in Gross Regional Domestic Product (GRDP) in a region, according to Todaro and Smith (2008), the rate of GDP growth at constant prices.

Sumatera island is an island that is in the Western Region of Indonesia which consists of 10 provinces, namely Nanggroe Aceh Darussalam (NAD), North Sumatra, South Sumatra, Bangka Belitung, West Sumatra, Riau, Riau Islands, Jambi, Lampung, and Bengkulu.

The economic growth rate of 10 (ten) Provinces in Sumatra Island during 2014 - 2018 is shown in Figure 1 below:

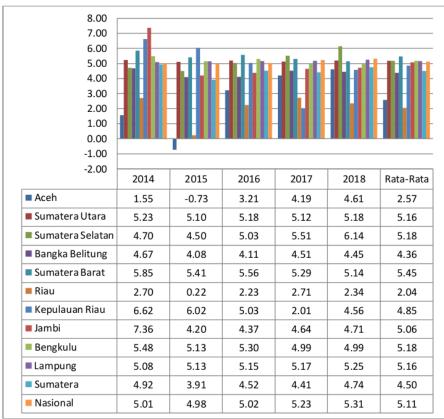


Image 1. The Economic Growth Rate of 10 Provinces on the Island of Sumatra for the 2014 - 2018 Period

Source: Statistics Indonesia (2019)

As a whole, the economic growth in ten (10) provinces on the island of Sumatra showed a fluctuating trend. During the last 5 years (2014 - 2018), the highest economic growth rate was in West Sumatra Province with an average value is 5.45 percent. Meanwhile, the lowest economic growth was in Riau Province is 2.04%. The average growth rate of 10 (ten) provinces (4.5%) is still lower than the national economic growth average is 5.11%.

To increasing of the economic growth of a country can be driven by; the availability of human resources quality (HR), economic openness, infrastructure, investment, Poverty, and unemployment and so on.

Quality resources can be measured from the level of education, where the level of education can be seen from the Literacy Rate. The Literacy Rate is the proportion of the population aged of 15 years and over who has the ability to read and write letters and other letters. The average of the Literacy Rate for the island of Sumatra (98.16) is higher than the National Literacy Rate (95.36). The lowest average of the Literacy Rate province is Lampung Province (96.76), while the highest average of the Literacy Rate is Riau province.

The openness of foreign trade shows that trade barriers between countries is declining and the share of trade is increasing. The condition of the economic

openness in Indonesia in 2018 was 50.4 and this indicates that the level of economic openness is still low. For the island of Sumatra, the level of openness is 45.9 and lower than Indonesia level in 2018. The market share of Indonesian products, especially the island of Sumatra, is still very low.

Geographically, the island of Sumatra is located 6 ° N - 6 ° S and in the north it is bordered by Bay of Benggala, in the east of Strait of Malacca, in the south of Sunda Strait and in the west of Indian Ocean with an area of 473,481 km2. The length of roads in 2019 on the island of Sumatra is 183,434 km, while in 2018 it is 184,860 km with a growth of - 0.8%, this does not include toll roads. This means that the decline of growth is caused the existing roads were renovated to be toll roads. In 2017, the length of the road was 184,741 km with a growth of 0.06%. The growth of road infrastructure on Sumetera Island is stillslow.

The investment referred in this case is Gross Fixed Capital Formation. Gross Fixed Capital Formation for the island of Sumatra is smaller than the National Gross Fixed Capital Formation for 2014-2018, this can be seen from the average growth of Gross Fixed Capital Formation, in national scale is 5.6% and the island of Sumatra is 4.1%. Bangka Belitung Province is a province that has the highest average Gross Fixed Capital Formation, which is 5.8%, while Jambi province has the lowest average Gross Fixed Capital Formation during the 2014-2018 period.

The poverty is multidimensional, this is due to many aspects whichaffect it. For 5 years (2014 - 2018) the average growth of the number of poor people on Sumatra island has decreased by -0.6. This number is lower than the decline ofpoor people growth in national scale.

The development of the unemployment rate can be measured using the Open Unemployment Rate and the data can be used to monitor and evaluate the development of the unemployment rate. During 2014 - 2018, the average of Open Unemployment Rate on Sumatra island was still below the national Open Unemployment Rate which is 5.53% and 5.71%. This suggests that the average National Open Unemployment Rate is higher than the Open Unemployment Rate on Sumatra island.

Based on the descriptions above, this study aims to examine the factors that affect the economic growth on Sumatra island through the conditions of the level of education, economic openness, road infrastructure, investment, poverty, and unemployment levels and how they influence it simultaneously and partially.

B. Literature Review

The Economic growth is the activities development in economy that causes goods and services are produced to increase the prosperity of the community. According to Kuznet (Jhigan, 2014) economic growth is the long-term of the increasing in a country's ability to provide its citizens with a wide variety of economic goods. The rate of economic growth can be calculated directly from the available real national income data, with the formula:

$$g = \frac{PN-riil_1 - PN-riil_0}{PNriil_0} \times 100$$

Information:

g = the rate of economic growth

PN-riil₁ = national income for next year PN-riil₀= national income in previous year

Education is regulated in Government Regulation Number 47 of 2008 concerning Compulsory Education. The measurement level and quality of education in an area is from the number of the literacy rate. Literacy is the ability to read and write, while the literacy rate is the proportion of the population aged 15 years and over who has the ability to read and write letters and other letters without having to understand what they read / write. The formula for calculating the literacy number is as follows:

Literacy Rate =
$$\frac{a}{b}$$
 x 100

Information:

a = total of population aged 15 years and over who can read and write.

b = total of residents aged 15 years and over

According to Thirlwall, 2006, international trade contributes to a more efficient allocation of resources and affects economic growth from one country to another. While Berg, 2005 stated that international trade provides an opportunity for each country to specialize (produce goods) and earnhigher income and accelerate the economic growth of a country. Thus Barro, 2003 stated that openness to international trade is one of the fundamental factors in increasing long-term economic growth. Nowbutsing (2014) classified the level of openness into 3 categories, there are less than 50% included in the low level of openness category, more than 50% and less than 100% included in the medium level of openness category and more than 100% included in the high level of openness category.

Moteff (2003), defined that infrastructure from the viewpoint of economy, defense, and government sustainability and Fox (2004) stated that infrastructure could increase household production and consumption, while American Public Works Association (Stone, 1974 In Kodoatie, RJ, 2005), stated that infrastructure was physical facilities that were developed or needed by public agencies for government functions. NextVaughn and Pollard (2003), stated that infrastructure includes roads, bridges, water and sewage systems, airports, ports, public buildings, and also includes schools, health facilities, prisons, recreation, power plants, security, fires, landfills, and telecommunications and men according to Sjarizal (2012 the government had the responsibility for the provision of these infrastructure facilities. The availability of this infrastructure can increase efficiency and productivity in carrying out social and economic activities.

The term investment is often referred to as investor or capital formation and investment can be defined as a company expenditure or investment to buy capital goods and production equipment to increase the ability to produce goods and services available in the economy (Sadono Sukirno). Thus investment can be said to be one of the determinants of the rate economic growth. This can be seen from the keyness theory about national income which is influenced by public consumption, investment, government spending, and the difference between exports and imports. Types of investment that can affect the rate of economic growth can be real investment (tangible investment) and financial investment, while other types are direct and investment portopolio. Investment is one of the

main factors driving the economic growth of a region. Thus theoretically, the rate of economic growth has a positive correlation with investment as stated, among others Keynes in Jhingan (2003) and Mankiw (2006), Harrod Domar in Arsyad (2010), Solow-Swan in Arsyad (2010), Kuznet in Arsyad (2010), Todaro (2000), and Schumpeter in Sukirno (2008). According to Aurangzeb (2012), investment consists of public investment, private investment, and foreign direct investment have a positive and significant effect on economic growth in Pakistan. NextNguyen, Trinh (2018), Chidoko, Sachirarwe (2015) and Epaphra, Massawe (2016) also found evidence that investment affects on economic growth.

The condition of a person's economic inability to meet the average standard of living of the people in an area is called poor or inability of income to meet average living standards such as public health and education in Law no. 24 of 2004. According to the Human Development Index (HDI) the measurement of poverty, among others; life expectancy, education / literacy rates, and purchasing power parity. Meanwhile, other indicators can also be Head Count Index, Poverty Gap Index, and Square Poverty Index.

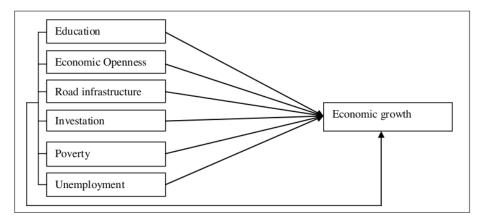
According to the classical theory, unemployment occures due to misallocation of resources and according to keyness theory unemployment occures due to low aggregate demand, while according to the Central Statistics Agency unemployment is a population who is not working but is looking for working. Thus the three definitions above explain the existence of resources that are not used / wasted. The result of unemployment (Sadono Sukirno, 2000) is that the community's prosperity is not maximum, government tax revenue is reduced, economic growth is low / decline as a result of low interest in investment by the community.

C. Hypothesis

Based on the description above, the research hypothesis can be formulated as follows:

- 1) The level of education, economic openness, road infrastructure, investment, poverty, and unemployment affect on economic growthsimultaneously.
- 2) Education level affects on economic growth partially.
- 3) Economic openness affects on economic growth partially.
- 4) Road infrastructure affectson economic growthpartially.
- 5) Investment affectson economic growthpartially.
- 6) Poverty affectson economic growthpartially.
- 7) Unemployment affectson economic growthpartiall.

Referring to the above hypothesis, role education level, economic openness, road infrastructure, investment, poverty, and unemployment to economic growth in brief can be illustrated in the following figure:



D. Methodology

This study examines the factors that affect economic growth, by examining the effect of education levels, economic openness, road infrastructure, investment, poverty, and unemployment levels. The approach used to measure the effect among variables is a quantitative approach.

The estimation of the equation model used panel analysis techniques, where panel data is a combination of Time Series and Cross Section data. Panel data regression estimation techniques are Common Effect Model, Fixed Effect Model, and Random Effect Model and to determine and select the right model from the three panel data regression estimation models, Chow and Hausman testing is required. The approach used for the choice of the above model is if the common effect and fixed effect models used the Ordinary Least Squared (OLS) approach while the random effect used the Generalized Least Squares (GLS). The data used must perform a classical assumption test (normality test, heteroscedasticity test, multicollinearity test, and autocorrelation test), so that the model formed meets the BLUE (Best Linear Unbias Estimator) requirements.

After the model meets the BLUE (Best Linear Unbias Estimator) requirements, then the F test (simultaneous) and t test (partial) are performed.

Linear Multiple Regression Equation (Linear Multiple Regression) is as follows:

$$Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \beta_4 X_4 + \beta_5 X_5 + \beta_6 X_6 + et$$

Where:

 $X_1 = \text{Education Level (AMH = Literacy Rate)}$

 X_2 = Economic Openness (Openness index)

 X_3 = Road Infrastructure (Road Length)

 $X_4 = Investment (Gross Fixed Capital Formation)$

 $X_5 = Poverty (poor people)$

 X_6 = Unemployment (Open Unemployment)

Y = Economic Growth

To measure the ability of the model formed in explaining the variation in the independent variable, the coefficient of determination () is used. Furthermore

 mR^2A good research odel is required to meet the characteristics set out in an econometric model (the goodness of an econometric model), then it is carried outtheory suitability test.

E. Results and Analysis

This study used panel data estimation and the selected model after the Chow test and Hausman test is the Fixed Effect model.

Table 2. Fixed Effect Model Results

20 V	a r i a	b 1	eCoeffici	ientStd.	Errort	-Statisticl	Prob.
	С		0.0401	690.00	2 1 3 4 1	8,823900	0.0000
E	D		U0.9326	390.3	5 3 6 3 5 2	2,5647690	0.0127
O	P 1	Е	NO.0120	5 40 .00	3 2 9 6 3	3 . 6 5 7 2 6 20	0.0005
I	N		F0.0711	890.02	257722	2.7623200	0.0075
I	N		V0.0890	260.03	3 1 2 8 8 2	2.8453630	0.0060
P	0 (О	R-0.067	1650.02	2 1 5 5 5 -	3.1160490	0.0027
U	N E	M	P-0.0158	8750.00	5 5 6 1-	2.8547750	0.0058

Effects Specification

Cross-section fixed (dummy variables)

R - s q u a r e d0.744657Mean dependent var0.050418 Adjusted R-squared0.684811SD dependent var0.016192 SE of regression0.009090Akaike info criterion-6.386331 Sum squared resid0.005289Schwarz criterion-5.909926 Log likelihood271.4533Hannan-Quinn criter.-6.195327 E- s t a t i s t i c12.44288Durbin-Watson stat1.694369 Prob (F-statistic)0.000000

Source: Data Processed, 2020

The results of the F test in this study indicate that the independent variables (education level, economic openness, road infrastructure, investment, poverty, and unemployment) simultaneously or collectively have a significant effect on economic growth. While the partial test (t) is

- a. Education (Literacy Rate) has a positive and significant effect on economic growth inSumatra island. The effect of education on economic growth is strengthened by previous research among others: Hina Ali, Aasma Jabeen (2015), Mohun (2010), Kobzev et al (2018), Nadia Hanif and Noman Arshed (2016) and Teddy Christianto Leasiwal (2013).
- b. Economic Openness and Economic Growth in Sumatra Island have a positive and significant effect. The results of this study are supported by previous research among others: Lloyd and MacLaren (2002), Chang and Mendy (2012) and Nowbutsing (2014), while Bin Sheng et al (2019) showed different (negative) results. Meanwhile, Ndulu, Kritzinger-van, & Reinikka, 2005 in their research results, one of the keys to hampering rapid economic growth is insufficient infrastructure.
- c. Road Infrastructure has a positive and significant effecton Economic Growth. The results of this study are in line with the previous researchamong others: CP Ng et al (2010) who declared to have a

- significant effect. AndNovi Maryaningsih Oki Hermansyah Myrnawati Savitri (2014), stated that the availability of basic infrastructure is needed to achieve high and sustainable growth.
- d. Investment has a positive and significant effecton economic growth. The results of this study are in line with the previous research among others: Aurangzeb (2012), Chidoko, Sachirarwe (2015) and Epaphra, Massawe (2016)in his research found the same results that investment has a positive and significant effecton economic growth. WhileBambang Sucipto et. Al (2018) resulted that Investment does not have a positive and significant effecton economic growth.
- e. Poverty has a negative and significant effect on economic growth inSumatra island, while Nindi, Odhiambo (2015) found different evidence that there is no effect of poverty on economic growth both in the short and long term and research results from Haifa and Mabrouka (2016) that poverty has a negative and significant effect on economic growth for Tunisia.
- f. Unemployment does not have a positive and significant effecton Economic Growth. This is in line with previous research, among others: Diellza Kukaj (2018), Kemi and Dayo (2015) and Mehrnoosh and Feizolah (2016). Meanwhile Kalsum (2017) and Makaringe & Hlalefang (2018), stated a positive / unidirectional relationship.

The coefficient of determination (KD) for the regression model for the level of education, economic openness, road infrastructure, investment, poverty, and unemployment for economic growth is 68.48% for economic growth, while 31.52% is influenced by other variables not included in this research model.

The regression model to be formed must be BLUE (Best Linear Un] Estimation), this is so that the regression model created is valid as a forecasting tool. To state that a regression model is valid as a predictor, a Classical Assumption test is performed. According to the Classical Assumption Test, the data used has met the requirements (free from multicolonierity, heterocedacity, autocorrelation, and normally distributed data).

In addition, the equation model that is formed must go through the theory suitability test with econometric model (the goodness of an econometric model) and the result are:

a. Theoretical Plausibility

The model resulting from the relationship between post-estimation variables describes the test results in accordance with the expectations of economic theory.

b. Accuracy of the estimates of the parameter

This research model produces a regression coefficient estimator that is accurate or unbiased and significant both simultaneously and partially.

c. Forecasting ability

The predictive ability rates for both models were over 50%.

d. Explanatory ability

The results of the ability test show that almost all research variables, the SE (standard error) is smaller than ½ the regression coefficient, only the Inflation variable has the SE (standard error) value greater than ½ the regression

coefficient. However, the value is not so far from the value of ½ regression coefficient. This means that each variable has a high ability to explain the relationship among the variables studied.

In this case, it can be concluded that the equation model formed has passed the theory suitability test.

Based on the classical assumption test and theory suitability test, the equation model is

Y = 0.0402 + 0.933 (X1) + 0.012 (X2) + 0.071 (X3) + 0.089 (X4) -0.0672 (X5) - 0.0158 (X6).

Based on

- a. The regression coefficient for the X1 variable is 0.933, which means that every 1 unitincrease in X1 will increase Y (economic growth) by 0.933 units, it is assumed that other variables do not change.
- b. The regression coefficient of the X2 variable (open economy) is 0.012, which means that every 1 unit increase in X2 will increase Y (economic growth) by 0.012 units, it is assumed that other variables do not change.
- c. The regression coefficient for the X3 variable (infrastructure) is 0.071, meaning that every 1 unitincrease inX3will increase Y (economic growth) by 0.071 units, it is assumed that other variables do not change.
- d. The regression coefficient for the X4 variable (investment) is 0.089, which means that every 1 unit increase in X4 will increase Y (economic growth) by 0.089 units, it is assumed that other variables do not change.
- e. The regression coefficient for the X5 variable (poverty) is -0.067, meaning that every 1 unit increase in X5 will reduce Y (economic growth) by 0.992 units, it is assumed that other variables do not change.
- f. The regression coefficient for the X6 variable (unemployment) is -0.016, which means that every 1 unit increase in X6 will decrease Y (economic growth) by 0.016 unitsit is assumed that other variables do not change.

Based on the above, it can be seen that the change in the X1 variable (education) has a big impact on economic growth, where the relationship that occurs is positive / unidirectional. While the smallest effect in this study is economic openness in influencing economic growth.

F. Conclution

Based on the description above, economic growth can be influenced by variables of education, economic openness, infrastructure (length of road), investment (Gross Fixed Capital Formation), simultaneous and partial poverty and unemployment.

Education is a large variable affecting the level of economic growth in this study. It menas that the provision of human resources must be the main concern. The available human resources must master in science and technology directly or indirectly and mastery in science and technology certainly requires a large investment in education, so that it can be knownthe extent to which the inhabitants of an area are open to knowledge.

The openness of the economy has little effect and significant on economic growth. This suggests that export and import activities make a verys small contribution to the Gross Regional Domestic Product. This explains that the contribution of economic openness to economic growth is still low and for that, it is necessary to pay attention to the factors that affect the increase in exports and decrease in imports. According to Yolanda (2017) The biggest factors affecting the development of exports are exchange rates and inflation.

The infrastructure problems are still an important problem, not only in Indonesia but also in other countries (Prasetyo and Firdaus, 2009) and this shows that road infrastructure can affects on economic growth.

High poverty results in a decrease in the rate of economic growth. According to Yolanda (2017), poverty can endanger the bargaining position of a country in world relations, and the future of the nation and country is bleak, therefore the problem of poverty must be a concern. Factor causing high poverty rate according to Yolanda (2017), Farhad, KK, Arab and Naz, Hafeez-ur-Rehman (2011 is inflation.

Unemployment is a complex problem faced by the most countries in the world, both developed and developing countries. The problem is that it leads to the economic and social problems, so that the level of unemployment that occurs can result in a decline in the rate of economic growth. This is of course because of the level of unemployment and economic growth theoretically has a negative relationship.

References

Arab, Naz, Hafeez-ur-Rehman, Mohammad Hussain, Waseem, Khan, Umar, D. 2011.Inflation: The Social Monster: Socio-Economic and Psychological Impacts of Inflation and Price Hike on Poor Families of District Malakand, Khyber Pakhtunkhwa, Pakistan. International Journal of Business and Social Science, 2(14).

Arsyad, Lincolyn, (2005), Pengantar Perencanaan Pembangunan Ekonomi Daerah, edisi Ke II, BPFE: Yogyakarta.

Aurangzeb, Anwar Ul Haq (2012). Impact of Investment Activities on Economic Growth of Pakistan. *Business and Management Review* Vol. 2(1) pp. 92 – 100 March, 2012.

Barro, Robert J. 2003. Determinants of Economic Growth in a Panel of Countries. Annals of Economics and Finance 4, 231-274

Berg, Hendrik Van den. 2005. Economic Growth and Development. United States: McGraw-Hill Irwin.

Bin Sheng, Sumbal Fatima, Muhammad Saqib Irshad, Muhammad Ramzan. (2019). Impact of Openness on Economic Growth in Developing Economies: An Empirical Analysis. European Online Journal of Natural and Social Sciences. Vol.8, No 3 pp. 411-425.

Chang, Ching-Cheng & Mendy, Michael. (2012). Economic Growth and Openness in Africa: What is the Empirical Relationship?. *Applied Economics Letters*. 19. 1903-1907.

Clainos Chidoko and Sachirarwe (2015). An Analysis Of The Impact Of Investment On Economic Growth In Zimbabwe, Review of Knowledge Economy 2015 Vol.2, No.2, pp.93-98.

C P Ng, T H Law, F M Jakarniand S Kulanthayan, (2010). Road infrastructure development and economic growth, 10th Malaysian Road Conference & Exhibition

Christianto Leasiwal Teddy (2013). The Analysis Of Indonesia Economic Growth: A Study In Six Big Islands In Indonesia, Journal of Economics, Business, and Accountancy Ventura Volume 16, No. 1, April 2013, pages 1-12.

Epaphra Manamba & John Massawe (2016). Investment and Economic Growth: An Empirical Analysis for Tanzania, Turkish Economic Review, Volume 3 December 2016 Issue 4, p. 579-609.

Farhad K.K., Mohammad, N., Shahiki, T. 2014. Effects of macroeconomic variables on poverty in Iran. Theoretical and Applied Economics Volume XXI(5).

Foox. 2004 " Analisis Dampak Pembangunan Infrastruktur Jalan terhadap Pertumbuhan Usaha Ekonomi Rakyat di Kota Semarang "

Jhingan, ML. (2013). Ekonomi Pembangunan dan Perencanaan. Penerbit PT Raja Graindo ; Jakarta.

Haifa Mefteh and Mabrouka Bouhaje (2016). Higher education, Graduate unemployment, Poverty and Economic growth in Tunisia, 1990-2013, Atlantic Review of Economics – 1st Volume.

Hina Ali, Aasma Jabeen. (2015), Effects of Education on Economic Growth: Evidence from Pakistan. *American Journal of Economics, Finance and Management* Vol. 1, No. 6, 2015, pp. 579-585

Kalsum, U.(2017). Pengaruh Pengangguran dan Inflasi terhadap Pertumbuhan Ekonomi di Sumatera Utara. *Jurnal Ekonomikawan*, 17(1): 87-94.

Kemi Funlayo Akeju and Dayo Benedict Olanipekun (2015). Unemployment and Economic Growth in Nigeria, International Journal of African and Asian Studies, Vol.11, p. 92-99.

Kobzev Kotásková Sylvie, Procházka Petr, Smutka Luboš, Maitah Mansoor, Kuzmenko Elena, Kopecka Markéta, Hönig Vladimír. (2018). The Impact Of Education On Economic Growth: The Case Of India. *ACTA Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis*. Volume 66 29 Number 1, 2018.

Kodoatie Robert J. (2005). Pengantar Menejemen Infrastruktur, Jogjakarta: Pustaka Pelajar.

Diellza Kukaj. (2018). Impact of Unemployment on Economic Growth: Evidence from Western Balkans, European Journal of Marketing and Economics, Volume 1, Issue 1, p. 10-18.

Lloyd, P. J and Donald Maclaren. (2002). Measures of trade openness using CGE analysis. *Journal of Policy Modeling*, Vol. 24, No. 1.

Makaringe, S. C., & Khobai, H. (2018). The effect of unemployment on economic growth in South Africa (1994-2016). MPRA Paper No 85305.

Mankiw, N.Gregory, (2010), Makro Ekonomi, Edisi Keenam, Penerbit Erlangga, Jakarta.

Mehrnoosh Mohsenia and Feizolah Jouzaryan (2016). Examining the Effects of Inflation and Unemployment on Economic Growth in Iran (1996-2012), Procedia Economics and Finance 36 (2016) 381-389.

Mohun P. Odit, K. Dookhan, , Mauritius S. Fauzel 2010. The Impact Of Education On Economic Growth: The Case Of Mauritius, International Business & Economics Research Journal – August 2010, Volume 9, Number 8, p. 141-152.

Moteff, John, Claudia Copeland., John Fischer. 2003. Crticital injrastructure: what Makes An Injrastructure Critical? Congressional Research Service.

Nadia Hanif dan Noman Arshed (2016). Relationship between School Education and Economic Growth: SAARC Countries, International Journal of Economics and Financial Issues, 6(1), p. 294-300.

Ndulu, B., Kritzinger-van, N., & Reinikka. (2005). Infrastructure, Regional Integration and Growth in Sub-Saharan Africa. *The National, Regional and International Challenges Fondad*, 101–121.

Novi Maryaningsih Oki Hermansyah Myrnawati Savitri (2014). The Role Of Infrastructure On Economic Growth In Indonesia, Bulletin of Monetary, Economics and Banking, Volume 17, Nomor 1, p. 55-88.

Nowbutsing, Baboo M. (2014). The Impact of Openness on Economic Growth: Case of Indian Ocean Rim Countries. *Journal of Economic and Development Studies*. Vol.2, No.2, pp. 407-427.

Sadono Sukirno 2000. Makro Ekonomi Modern, Perkembangan Pemikiran dari Klasik Hingga Keynesian Baru, Jakarta: PT Raja Grafindo Persada.

Sucipto Bambang, Hailuddin and Iwan Harsono (2018). Analysis of Economic Growth Determination and Invesment Needs in North Lombok, Quantitative Economics Research Vol 1, No 1, 2018, pp. 25-31.

Sjafrizal. 2012. Ekonomi Wilayah dan Perkotaan. Rajawali Pers. Jakarta

Thirlwall, A.P. 2006. Growth and Development with Special Reference to Developing Economies. 8th Ed. United Kingdom: Palgrave Macmillan.

Todaro, M.P. dan Smith, S.C. 2006. *Pembangunan Ekonomi*. Jilid I Edisi Kesembilan. Haris Munandar (penerjemah). Erlangga, Jakarta.

Vaughn and Polland 2003 dalam jurnal "Analisis Dampak Pembangunan Infrastruktur Jalan terhadap Pertumbuhan Usaha Ekonomi Rakyat di Kota Semarang "

Yolanda. 2017. Impacts of Export Development on Unemployment in Indonesia, European Research Studies Journal Volume XX, Issue 3A, 2017, pp. 758-773

Yolanda.2017. Analysis of Factors Affecting Inflation and its Impact on Human Development Index and Poverty in Indonesia, European Research Studies Journal

Volume XX, Issue 4B, 2017, pp. 38 – 56.

Yolanda dan Patria

ORIGINALITY REPORT

18% SIMILARITY INDEX

13%

INTERNET SOURCES

9%

PUBLICATIONS

7%

STUDENT PAPERS

PRIMARY SOURCES

Damel Van Wanda, Agus Irianto, Sulastri, Erasukma Munaf, Zikri Alhadi. "The influence of infrastructure development and ecological carrying capacity on the economic impact of independent integrated city of ", IOP Conference Series: Earth and Environmental Science, 2019

%

2 www.scribd.com
Internet Source

1%

online-journal.unja.ac.id

1%

Submitted to Padjadjaran University
Student Paper

1%

www.researchgate.net

1%

"Enhancing Financial Inclusion through Islamic Finance, Volume II", Springer Science and Business Media LLC, 2020

1%

Publication

7	bazybg.uek.krakow.pl Internet Source	1%
8	digilib.unimed.ac.id Internet Source	1%
9	Submitted to Universitas Jenderal Soedirman Student Paper	1%
10	download.atlantis-press.com Internet Source	1%
11	www.ukm.my Internet Source	<1%
12	Submitted to School of Business and Management ITB Student Paper	<1%
13	Hantono. "COVID 19: THE IMPACT OF DEMAND, SUPPLY, AND LABOR", International Journal of Engineering Science Technologies, 2020 Publication	<1%
14	journal.unj.ac.id Internet Source	<1%
15	repository.uin-suska.ac.id Internet Source	<1%
16	Submitted to Udayana University Student Paper	<1%

17	Submitted to University of Durham Student Paper	<1%
18	libraryeproceeding.telkomuniversity.ac.id Internet Source	<1%
19	"Eurasian Economic Perspectives", Springer Science and Business Media LLC, 2020 Publication	<1%
20	Submitted to Ibrahim Babangida University Student Paper	<1%
21	www.macrothink.org Internet Source	<1%
22	dj.univ-danubius.ro Internet Source	<1%
23	www.analyticsinsight.net Internet Source	<1%
24	Y Milla Ardiani, Noegroho. "Infrastructures for the development on Bawean Island, Gresik, East Java-Indonesia", IOP Conference Series: Earth and Environmental Science, 2018 Publication	<1%
25	www.jica.go.jp Internet Source	<1%
26	journal.perbanas.ac.id Internet Source	<1%

27	acikerisim.ticaret.edu.tr Internet Source	<1%
28	es.scribd.com Internet Source	<1%
29	www.unwto.org Internet Source	<1%
30	dar.aucegypt.edu Internet Source	<1%
31	Dandy Aldilax, Pri Hermawan, Lidia Mayangsari. "The Antecedents of Slow Fashion Product Purchase Decision Among Youth in Bandung, Jakarta, and Surabaya", KnE Social Sciences,	<1%
	2020 Publication	
32		<1%
32	Publication www.econstor.eu	<1 _%
_	www.econstor.eu Internet Source teacongress.org	<1% <1%
33	www.econstor.eu Internet Source teacongress.org Internet Source icbasl.feb.uns.ac.id	

37	eprints.undip.ac.id Internet Source	<1%
38	"Advances in Cross-Section Data Methods in Applied Economic Research", Springer Science and Business Media LLC, 2020 Publication	<1%
39	acta.mendelu.cz Internet Source	<1%
40	e-journal.uajy.ac.id Internet Source	<1%
41	journals.sagepub.com Internet Source	<1%
42	ageconsearch.umn.edu Internet Source	<1%
43	www.aensiweb.com Internet Source	<1%
44	www.hilarispublisher.com Internet Source	<1%
45	worldwidescience.org Internet Source	<1%
46	www.theibfr.com Internet Source	<1%
47	Mesut Eren, Hong Zhuang. "Mergers and Acquisitions Versus Greenfield Investment,	<1%

Absorptive Capacity, and Economic Growth: Evidence from 12 New Member States of the European Union", Eastern European Economics, 2015

Publication



Joko Tri Haryanto. "Regional financial performance evaluation in the Indonesian fiscal decentralization era", Jurnal Perspektif Pembiayaan dan Pembangunan Daerah, 2018 Publication

<1%

Exclude quotes Off

Exclude bibliography On

Exclude matches

Off