

## THE RELATIONSHIP OF EXPORTS, IMPORTS AND INVESTMENTS ON ECONOMIC GROWTH IN EAST JAVA

By

Stanty Aufia Rachmat<sup>1</sup>, Susianti<sup>2</sup>, Resi Marina<sup>3</sup>, Arman Syah Putra<sup>4\*</sup>, Nurul Aisyah<sup>5</sup>

<sup>1</sup>Faculty of Economics, Gunadarma University, Indonesia

<sup>2,3</sup>Faculty of Economics, Prabumulih University, Indonesia

<sup>4</sup>Faculty of Computer, STMIK Insan Pembangunan, Indonesia

<sup>5</sup>Faculty of Economics and Business, Bina Sarana Informatika University, Indonesia

Email: <sup>1</sup>[stanty8315@gmail.com](mailto:stanty8315@gmail.com), <sup>2</sup>[sv40062@gmail.com](mailto:sv40062@gmail.com), <sup>3</sup>[resimarina50@gmail.com](mailto:resimarina50@gmail.com)

<sup>4\*</sup>[armansp892@gmail.com](mailto:armansp892@gmail.com), <sup>5</sup>[nurul.nly@bci.ac.id](mailto:nurul.nly@bci.ac.id)

### Abstract

The background of this research is how to find out the variables that affect economic growth in the city of East Java with these variables, it can be seen the shortcomings in order to improve the city of East Java into a more developed and advanced city, the method used in this research is to using the literature review method and using a survey to 100 East Java residents who needed random questions so that real answers could be found in the field or in the city of East Java, the problem raised in this study was how to find variables that could affect the city of Java. East In developing especially economic developments that are increasingly difficult during the current pandemic with this, these variables will be able to provide answers and can be improved for the city of East Java even better, the purpose of this study is to determine the right variables for Tuk can be given to the city of East Java in order to improve the city in the future, especially in the economic field. The variables are the export, import and investment variables.

**Keyword:** *Exports, Imports, Investment, Economic Growth East Java*

### INTRODUCTION

In the current era of globalization, economic growth is very necessary, therefore economic growth in a big city like East Java is very important for a country, especially Indonesia. According to them, with the existence of large exports-imports and investments in a province in a country, they will be able to help the local government a lot in developing cities that have potential income for better regional empowerment. in the region will be much more improved and better, therefore with the existence of regional income which is sourced based on exports, imports and investments, it will be able to develop East Java Province into a very developed province in Indonesia.

The method used in this research is to use the literature study method or commonly called literature review with this method, the researcher will read many journals and books

to find the latest research problems so that they can be raised in this study so that this research becomes the latest research. So that it can be the best novelty, therefore by using a survey technique to 100 people in the city of East Java, it will be ensured that the data is real data so that its authenticity can be accounted for.

The problem raised in this study is how to find out the variables related to economic growth, especially in the city of East Java. These are the export-import and investment variables in the presence of these three variables. Whether these variables can affect the variables of economic development in the city of East Java, it will be investigated below through the data taken through 100 people from the survey results that have been carried out to the people of the city of East Java.

The purpose of this study is how to find deficiencies in a developing city, namely

the city of East Java in Indonesia so that it can be known what variables can affect the development of the city of East Java with variables experiencing weaknesses or deficiencies that can be corrected quickly in order to increase economic development. In the city of East Java so that the city of East Java can become a big city and develop like other big cities such as Jakarta Indonesia.

## RESEARCH METHOD

This study uses quadratic data analyzed by a multiple linear regression analysis tool. I used the statistics program SPSS 22 for Windows to calculate the regression coefficients. The subject of this study is economic growth affected by exports, imports and investment. While writing this paper, a research paper will be published and some interrelated variables will be used. The variable is an export. All exports of East Java from 2016 to 2021. Imports, that is, all imports of East Java from 2016 to 2021.

The investment, or problem, is East Java's Regional Gross Domestic Product (GRDP) from 2016 to 2021. The scope of this survey is at the state level, that is, East Java from 2016 to 2021. Data collection activities are carried out by the DISPERINDAGKOP office. I am in charge of data collection by the Advertising and Investment Agency, which represents East Java, and the Central Statistics Office, which represents East Java.

Survey time since this survey covers only secondary data, it takes about 4 months from survey to survey plan, collection of necessary data, processing of acquired data, and writing of survey results. Types of data required and this study uses East Java export value data, data obtained from the Central Statistics Office and the East Java DISPERIN DAGKOP office from 2016 to 2021. East Java import value data obtained by Central Statistics Office Ireland and DISPERIN DAGKOP Office East Java from 2016 to 2021. East Java investment data obtained by Central Statistics Office Ireland and Surabaya Investment Offices from

2016 to 2021. GRDP data is based on East Java list prices obtained from the Central Statistics Office of Surabaya from 2016 to 2021. Other supporting data in this study.

Data is collected by researchers observing research sites. Library research Data performed through reading and recording data, reports, theories, or pamphlets related to the issues being discussed. Statistical tools are used to find out how much exports, imports and investments affect economic growth: multiple linear regression equations. Then, the F-test, T-test, and coefficient of determination ( $R^2$ ) values are used to find out the truth of the effect between the variables  $X_1$  and  $X_2$  on the  $Y$  variable.

## RESULT AND DISCUSSION

In this section, we will discuss how the research method was carried out by using the literature review method and using the basic methods of previous research so that we can find novelty in the research we are doing. Therefore, by using the review method and conducting research based on the issues raised, it will produce novelty and can be used as a basis for future research.

Figure 1 explains that there are three hypotheses, hypothesis one is exports and economic growth, hypothesis two is imports and economic growth and hypothesis 3 is investment and economic growth.

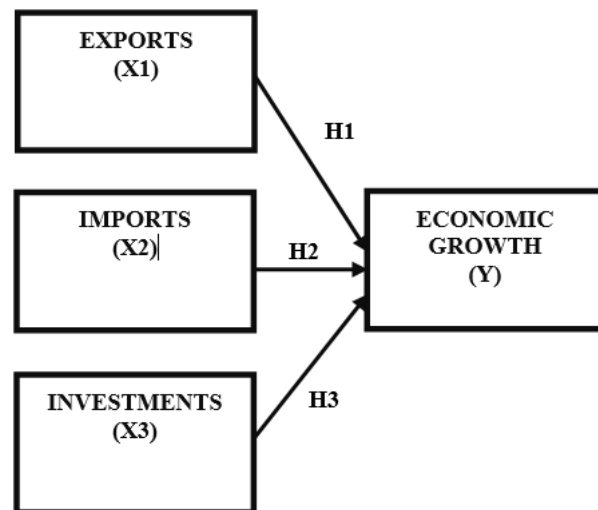


Figure 1. Hipotesis Model

**Table 1.** Questions on the survey conducted on 100 people

No	Questions	Variable
1	Export must be in every country	X1
2	Export brings in foreign exchange	X1
3	Exports are good for the economy	X1
4	Import if the country requires	X2
5	Import to balance market demand	X2
6	Important important import	X2
7	Good investment for the country	X3
8	Investments will continue to grow	X3
9	The right investments will make the company grow	X3
10	Economic Growth if above 5%	Y
11	Economic Growth if you invest a lot	Y
12	Economic Growth if the state gives a sense of security	Y
13	Economic Growth will make people get jobs	Y

## 1. Multiple Linear Regression Analysis

## a. Regression Equations

**Table 2.** Recapitulation of the Results of Multiple Linear Regression Analysis

Variable	<i>Unstandardized Coefficients</i>
Exports	2,112
Imports	0,856
Investments	0,390
Economic Growth	0,875

Source: The Results of Data Processing

Based on table 2, the explanation is as follows, the Unstandardized Coefficients value from export is 2.112, the Unstandardized Coefficients value from Import is 0.856, the Unstandardized Coefficients value from

Investment is 0.390, the Unstandardized Coefficients value from economic growth is 0.875.

b. Koefisien Determinasi (R<sup>2</sup>)**Table 3.** Correlation and Determination Coefficients

Dependent Variable	Independent Variable	R	R Square	Adjusted R Square
Y	X1, X2, X3	0,922	0,895	0,657

Source: The Results of Data Processing

Based on table 3, the following explanation will be given, the R values of X1, X2 and X3 are 0.9, 22 and 23 and the R Square value is 0.895 and the Adjusted R Square value is 0.657, which means it has a significant effect.

## c. Hypothesis Testing

## c.1. Hipotesis I (F test / Serempak)

**Table 4.** F / Simultaneous Test

Dependent variable	Independent Variable	F Count	F Table 0,05	Sig.F	decision on H0
Y	X1, X2 & X3	54,113	1,945	0,003	Ditolak

Source: The Results of Data Processing

Based on table 4, the following explanation will be given, the values of X1, X2 and X3 of the F Count are 54,113 and the value of the F Table is 1,945 and has a Sig.F value of 0.003 which means that H0 is rejected, and means that H1 is accepted.

## c.2 Hipotesis II (t test / Parsial)

**Table 5.** t / partial test results

Variable	t	Sig.
X1	3,116	0,003
X2	5,224	0,002
X3	5,729	0,002

Source: The Results of Data Processing

Based on table 5, it can be explained that the variable X1 has a t value of 3.116 and a Sig value of 0.003, the X2 variable has a t-value of 5.224 and a Sig value of 0.002, the

X3 variable has a t-value of 5.729 and a Sig value of 0.002.

## 2. Discussion of Research Results

a. Hypothesis 1 (H1) Export (X1) to Economic Growth variable (Y).

Hypothesis 1 (H1) Export (X1) to Economic Growth variable (Y) has a significant relationship.

b. Hypothesis 2 (H2) Import variable (X2) to Economic Growth variable (Y).

Hypothesis 2 (H2) Import variable (X2) to Economic Growth variable (Y) has a significant relationship.

c. Hypothesis 3 (H3) Investments variable (X1) to Economic Growth variable (Y).

Hypothesis 3 (H3) Investments variable (X1) to Economic Growth variable (Y) has a significant relationship.

## 3. Descriptive Analysis

a. Export Variables (X1)

Based on the results of the research above and data processing, it can be concluded that the Export variable (X1) affects the Economic Growth variable (Y) significantly, it means that with high exports, economic growth will increase in a country, especially in the city of East Java.

b. Import Variable (X2)

Based on the results of the research above and data processing, it can be concluded that the Import variable (X2) significantly affects the Economic Growth (Y) variable, an area will be able to develop if it reduces excessive imports of an item because with very high imports it will be able to affect the market price and East Java has been able to control the market price.

c. Investments Variable (X3)

Based on the results of the research above and data processing, it can be concluded that the Investments (X3) variable affects the Economic Growth (Y) variable significantly, investment growth in East Java has improved greatly. The Corona coronavirus that attacked East Java has had

a tremendous effect on foreign investment in East Java. Therefore, investment growth has started to improve and continues to improve in the future and can make East Java the best fact in the world and Indonesia.

d. Economic Growth Variable (Y)

Based on the results of the above research and data processing, it can be concluded that the Economic Growth (Y) variable is significantly influenced by the Export (X1) and Import (X2) and Investments (X3) variables, it means that economic growth can be influenced by three things, namely export-import and investment with the variables in this study that there are significant variables and that means that changing the economy of a city will affect this.

## CONCLUSION

The conclusion generated based on the research above is that the Export (X1) and Import (X2) and Investments (X3) variables have a significant influence on Economic Growth (Y), which means that good Export (X1) will be able to produce Economic Growth (Y). With very high exports, it will be very helpful for a city to develop because regional income will increase and can make the area one of the developing and developed regions in a country, Imports are one of their most important things. Now, imports are needed by a city. if the city's needs are reduced, therefore imports are very concerned, they cannot be like exports which can be done at any time because the demand for the goods in the box must be considered, therefore imports are needed by a city if it is urgent and needed, foreign investment is one of the things which is very important for a city because with the investment it will provide very rapid economic growth for the community therefore foreign investment is one of the keys that is very developed can help the regional economy in a country Therefore a lot of investment is very helpful for East Java Dal am developing

so that it can become one of the big cities in Indonesia, economic growth in a city in Indonesia is heavily influenced by many variables, the variables in this study are export-import and investment variables when these are variables that affect economic growth in the city, namely East Java with its rapid economic growth, East Java is one of the big cities in Indonesia that is influential in Indonesia.

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