The Determinant of FDI Inflows in OIC Countries

Tania Megasari
Universitas Gadjah Mada, Indonesia
Corresponding email: taniamegasari02@gmail.com

Samsubar Saleh
Universitas Gadjah Mada, Indonesia, ssamsubar@yahoo.com

Abstract

This study aims to analyze the determinants of foreign direct investments (FDI) in country members of the Organization of Islamic Cooperation (OIC) from 2005 to 2018. The determinant variables of FDIs are corruption, political stability, and macroeconomic variables, such as inflation, exchange rates, economic growth, and trade openness. The analysis used in the study is the fixed effect model (FEM) of the OIC data panel. The results showed that economic growth and trade openness significantly influenced foreign direct investment (FDI), while the effects of corruption, political stability, inflation, and the exchange rate had none. The results imply that governments need to increase the degree of economic openness by reducing trade barriers (exports and imports), both in the form of rates and non-rates.

Keywords: corruption, political stability, macroeconomic variables, FDI, OIC

JEL Classification: F21; F50; O50

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I. Introduction

OIC is an organization consisting of 57 Islamic countries as a forum for cooperation in various fields, not only in politics but also in the economic field and many more. The level of development in member countries of the OIC is very diverse. They are separated into groups that are considered low, low to middle, upper-middle, and high. According to the World Bank (2018), only 12.29% of OIC member countries are included in high-income countries. Therefore, most OIC countries’ economies are still lagging behind non-OIC member countries. One of the ways to increase economic growth is through investments. According to Harrod (1939) and Dhomar (1946) theory, advancing economic growth can be done through investments because it would raise a country's productivity. Foreign and local investors could make investments.

Foreign Direct Investment (FDI) is an investment from a foreign country, which means external financing. However, developing countries' external funding to achieve sustainable goals tends to be large and is generally unfulfilled due to investor speculation. Based on a survey from Global Investment Competitiveness (2017), one of the essential factors in investor decision making is political stability, security, and the bureaucratic environment. To create political stability is to eradicate corruption. With the eradication of corruption, political stability will positively impact macroeconomic stability. Variables that affect FDI include inflation, exchange rates, economic growth, and trade openness. So that foreign investors are interested in investing.

In the political economy, some researches have been conducted using non-OIC countries. Ghairabeh has done the first research in 2015 that examines the determinants of FDI in Bahrain—followed by (Boateng, Hua, Nisar, & Wu, 2015) that examines FDI determinants in Norway. Canare (2017) examined the effects of corruption on FDI. Third, (Karim, Karim, & Nasharuddin, 2018) reviewed the influence of corruption and FDI in 5 ASEAN member countries. Fourth, (Asamoah, Adjasi, & Alhassan, 2016) examined macroeconomic uncertainty, FDI, and institutional quality in Sub-Saharan African countries. These studies examine only one country or countries in a development level group. Therefore, the researcher was interested in OIC countries due to their varying developments and income leveling from low to high. It will determine which FDI has the most decisive influence in each country based on their national income, allowing for grand policies that positively impact the countries.
1.1. Objective

This research has two objectives, to analyze the relationship between corruption, political stability, macroeconomic variables, and FDI in OIC countries and discuss what policies should be made by OIC countries’ members. FDI is influenced by various factors, including corruption, political stability, and macroeconomic variables. Macroeconomic variables that affect FDI include inflation, exchange rates, economic growth, and trade openness. Research on the factors that influence FDI is interesting to discuss because each country has its policies and will affect the flow of FDI in the country. The paper comprises five sections. The next section provides the literature review. The methodology is discussed in the third section, followed by; and the results and analysis in the fourth section. The final section presents the conclusion and recommendations.

II. Literature Review

2.1. Background Theory

Foreign Direct Investment (FDI) is an international capital flow when companies from one country open their branch into other countries. FDI is not only a capital; investors are also in control of the company, so that subsidiary companies have the same organizational structure as the parent company. There are two reasons for firms to go international, to serve foreign markets, and to reduce production cost. FDI has two types, namely vertical FDI and horizontal FDI. Vertical FDI is an investment where the business activities are different from their parent company because it has a different geographic location where the production cost is cheaper. Hence, it becomes profitable to split the production chain. Horizontal FDI is an investment where the business activities are similar to the parent company. It happens because it’s cheaper to duplicate the same products in different countries (Krugman, Obstfeld, & Melitz, 2012).

FDI has positive and negative effects on the host country. The positive results are, 1) increasing output product, 2) raising wages, 3) lowering unemployment rate, 4) raising exports, 5) raising tax revenues, 6) giving technical and managerial skills and acquiring new technologies, 8) decreasing the power of domestic monopoly. While the adverse impact is 1) bringing losses to the commodity terms of trade, 2) deepening the pricing transfer, 3) deepening the domestic investment, 5) growing instability in the balance of payment and exchange rate, 6) removing the control of domestic policy, 7)
raising the number of unemployment, 8) creating local monopolies, 9) local education and skills are underpaid (Appleyard, Field, & Cobb, 2014).

Moosa (2004) claims five theories describe the foreign direct investment: 1) The differential return rate that the current capital from one country to another with a low return rate would move to a faster return rate. FDI decided on two considerations: marginal return and marginal cost. 2) The diversification fluctuations mean the investment decision in a project is not only calculated by the rate of return but also by the magnitude of the potential risks. In this theory, there are three levels of investors. The first is risk-averse. At this level, the investor has the nature of avoiding risk to choose a low-risk group project. However, sometimes it has a low-risk rate. The second is an average risk. At the average level, the investor has a proportionate nature of viewing risk by investing in a moderate risk project. The last is the risk-taker. At this rate, the investor has the bold nature of taking significant risks because it has a high return rate. 3) The output and market size suggest that its small size FDI flows into a country depending on the size of the output from multinational corporations on the country or the size of the market size of the country's goals is based on GDP. 4) The Currency Areas Hypothesis is a theory that states that a corporation in a country that has a substantial currency value compared with others will generally invest in another country. 5) The Product Life Cycle Hypothesis is a theory which states that the first released product in the land of origin is an innovation, but over time it will be standardized. FDI has emerged due to corporate reactions to overseas expansion, which is at risk of losing the market as its products continue to grow.

Corruption is a behavior that deviates from formal duties and public roles (Nye, 1967). This deviation occurs because of personal interests in obtaining a certain amount of money or status that violates the rules or abuses authority. According to (Othman, Shafie, & Hamid, 2014), there are three main reasons why a person commits corruption, power, opportunity, and low moral impurity. When a country has a high level of corruption, the business environment will be affected, causing foreign investors to be more likely to lose assets or have fewer profit margins. Hence, foreign investors, in choosing their destination country, would consider the extent of the corruption of the target country. Foreign investors would select countries with adequate capabilities to protect assets and profit margins.

Political stability, according to Ake (1975), is an orderly flow of changes in political rules. If the flow of political exchange is more organized, politics will be stable. Political stability and security are absolute conditions for economic development. Political policies, events, or conditions in the less stable and
poor host countries will affect the business environment, so foreign investors tend to lose assets or have fewer profit margins (Howell & Chaddick, 1994).

The exchange rate is the unit price of a currency in another currency (Samuelson, 2001). The exchange rate presents exchange rates from one currency to another, allowing for various international transactions such as trade between countries, tourism, global investment, and other international transactions. Goldbreg & Kolstad (1995) states that when a country’s currency depreciates, the price of goods and services from foreign currencies becomes cheaper. So, it would attract foreign investors to invest in the country because it would get more profit.

Inflation is a monetary phenomenon that occurs because of a decline in the value of the economic calculation unit of a product. According to Mishkin (2008), inflation is a continuous increase in the price of both goods and services in general, so that it affects various groups from individuals to the government. Foreign investors will find it challenging to set fees and prices from products when they are high. When high inflation rates persist over a long period, foreign investors will tend to reduce the power invested in the country (Asamoah et al., 2016). A high inflation rate will reduce the inflow of FDI into the host country.

Economic growth is an indicator used to show economic activity changes within a certain period. Economic Growth is generally calculated using the Gross Domestic Product (GDP). The concept of measuring economic growth has shortcomings because it only shows economic value, so it cannot measure the community's welfare as a whole. According to the (Harrod, 1939) and (Dhomar, 1946) theory, when economic growth becomes higher and it will attract to invest. A country that has a high level of trade openness may mean it can be interpreted that the government has an international economic activity that can attract foreign investors. So, if trade openness is high, that means the country is in good condition to receive foreign investment.

2.2. Previous Studies

Until now, the topic of FDI’s determinants still attracts the attention of researchers, as can be seen from the large number of studies examining a specific country (Boeateng et al., 2015; Ghairabeh, 2015) and in a group of countries (Gangi & Abdulrazak. 2012; Asamoah et al., 2016; Canare. 2017; Kumari & Sharma. 2017; Karim et al., 2018)

Gangi & Abdulrazak (2012) examined the impact of government indicators on FDI in Africa between 1966 and 2010. The results obtained are that three of the six indicators have a significant effect. The indicators were voice and
accountability, government effectiveness, and law rule. These results indicate that countries in Africa need to improve their government conditions, to improve the investment climate and FDI.

Boetang et al. (2015) examined the determinants of Norway’s FDI between 1986 and 2009. The results obtained are that economic growth, exchange rates, and trade openness have significant positive effects on FDI. In contrast, money supply, inflation, unemployment, and interest rates have significant adverse effects on FDI. So, it can be concluded that to promote a competitive advantage in the country of origin, the government needs to pay attention to macroeconomic policies.

Between 1980 until 2013 in Bahrain, general government consumption expenditure, inflation rate, and economic stability were represented by annual interest rates, labor force, trade openness, public education, and population. It has a statistically significant relationship with FDI inflows (Ghairabeh, 2015). Therefore, these factors are considered the main aspects of Bahrain’s FDI entry.

Asamoah et al. (2016) examined the macroeconomic variables, FDI, and institutional quality in Sub-Saharan African countries between 1996 and 2011. The results obtained were that the quality of institutions, economic growth, and exchange rates significantly affected FDI. So that it can be concluded that Sub-Saharan countries need methods to improve the quality of institutions, one of which is by planning government policies that can attract foreign investors to invest.

Canare (2017) discusses the effects of corruption on 46 countries in the Asia Pacific. This study indicates that corruption has a significant impact on FDI in high-income countries. However, in low and middle-low-income countries, it can be understood that foreign investors see other factors such as the quality of the regulator.

Kumari & Sharma (2017) researched the determinants of FDI in twenty developing countries in Asia from 1990 to 2012 with seven variables. The research found that four variables, namely market size, trade openness, interest rate, and human capital yield, significantly affect FDI. As policymakers, it is necessary to make more friendly foreign investors’ regulations and further improve human capital.

Karim et al. (2018) examined corruption and its effect on FDI in ASEAN-5 countries. The results obtained were that corruption and economic growth significantly affected FDI. Therefore, governments need to cooperate and continue to improve the integrity and credibility of their administration and
transactions. Besides, maintaining sustainable economic growth is also a significant factor in attracting more FDI inflows in the future.

III. Methodology

3.1. Data

The study used a dataset of selected OIC member states. Data were collected from the World Governance Indicator, World Bank, and the Statistical, Economic, and Social Research and Training Centre for Islamic Countries (SESRIC). The data used is annual data covering 2005 to 2018. Period range selection is limited by adequate data availability for all variables.

Based on the consideration of data availability, this study uses a sample of 47 countries from 57 OIC member countries or represents 82.45% of all OIC countries. The unavailability of data caused the explanation of the ten countries not included in the study.

3.2. Model Development

In this study, the author used a panel data model because it combines cross-section data and time-series data. The panel data model has advantages over cross-section and time-series data in using all the evidence obtained, which are allow us to test more complicated than pure cross-section or time-series data (Baltagi, 2005). This study aims to determine FDI and use in dependent variables from macroeconomic factors such as economic growth, inflation, exchange rate, trade openness, and institutional factors such as corruption and political stability. This relationship can model as:

\[
\text{FDI} = f(\text{CC}, \text{PSAV}, \text{INF}, \text{GDPgr}, \text{TO}, \text{ER})
\]

FDI here represents foreign direct investment inflow in OIC countries; CC represents corruption control. This index is an indicator that captures perceptions of the extent to which public power is exercised for private gain, including minor and major forms of corruption by rulers and private interests. The control of the corruption index gives scores ranging from -2.5 to 2.5 for each country. A higher index value indicates that the level of corruption in a country is relatively low. On the other hand, if it is close to -2.5, the level of corruption in that country is high. PSAV represents Political Stability and the Absence of Violence. The political stability index is when a government is
elected, monitored, and replaced. The political stability index provides scores ranging from -2.5 to 2.5 for each country. A higher index value indicates that the level of political stability in a country is relatively stable; on the other hand, if it approaches -2.5, the level of political conditions in that country is unstable.

INF is defined as Inflation. Inflation used in this study is a consumer price index that describes the percentage of annual change in the average consumer’s cost of obtaining goods and services. GDPgr represents Gross Domestic Product Growth, and TO is defined as Trade Openness. The trade openness variable is obtained from the calculation between the number of exports and imports of goods and services, which are measured as part of GDP. So, when a country in higher exports and imports percentage of GDP, the chance of open trade is high. ER represents the exchange rate. The exchange rate used in this study is the official exchange rate (LCU per US$, period average). In this study, the exchange rate converted into logarithmic to reduce the chance of heteroskedasticity.

In this study, we used panel data of 47 OIC countries from 2005 to 2018 and used Fixed Effects within Group Model. This model approach reduces unobserved error by assuming each period’s characteristics are the same. The errors can be classified into two classifications: time-variant error (v) and idiosyncratic error (μ). Because the time-variant error value does not change for each individual, it can be eliminated by reducing the time-variant error by the time-variant error rate itself. The impact is that all variables and idiosyncratic errors are less than their mean. Besides, to increase efficiency in the model, a robust standard error is possibly used. (Woolridge, 2012).

The analytical model in this study can be formulated as follows:

$$ FDI_{it} = \beta_0 + \beta_{1}CC_{it} + \beta_{2}PSAV_{it} + \beta_{3}INF_{it} + \beta_{4}ER_{it} + \beta_{5}GDPgr_{it} + \beta_{6}TO_{it} + \epsilon_{it} \quad (2) $$

Where:

- **FDI**: Foreign Direct Investment
- **\( \beta_0 \)**: Intercept
- **CC**: Control of Corruption
- **PSAV**: Political Stability and the Absence of Violence
- **INF**: Inflation
- **ER**: Exchange Rate
- **GDPgr**: Gross Domestic Product Growth
- **TO**: Trade Openness
- **\( \epsilon \)**: Error Term
3.3. Method

This study uses panel data analysis techniques. Panel data analysis technique is a combination of cross-section data, which is symbolized by N, and time-series data, illustrated by T (Hsiao, 2007). Panel data analysis has advantages over several other analytical techniques, including panel data with more diverse sample data than cross data and time series so that degrees of freedom will be higher and thus produce more efficient econometric estimates. (Hsiao, 2007)

According to Hsiao (2007), there are three approaches in the static panel regression model, which is, 1) Common Effect Model (CEM). CEM is the most straightforward modeling technique for estimating the parameters. CEM is done by combining cross-section and time-series data without paying attention to the differences between the individual and the time. 2) Fixed Effect Model (FEM). In the regression panel, there is a possibility of unobserved error being present because there’s a repeat of identity all the time. Therefore, the unobserved error must be eliminated to ensure that the model estimate capabilities are improved. In FEM, the unobserved error is assumed in time-invariant. 3) Random Effect Model (REM). This modeling technique takes that disorder variable maybe interrelates between time and between individuals. So, it does not correlate with the oft-examined definitional variable.

Classic assumption tests were made before regression testing the static data panel. There are three definitive assumption tests: multicollinearity test, heteroscedasticity test, and autocorrelation test. After that, three tests to choose the most precise model to manage the data panel, which is, 1) Chow test, is a test to determine whether FEM or CEM is best used in estimating static panel data, 2) Hausman test is a test to determine whether FEM or REM is best used to estimate static panel data, and 3) Lagrange Multiplier test determines whether REM or CEM is best used in evaluating static panel data.

This study uses FEM with robust regression. Its means that the test was conducted on models with heteroscedasticity and autocorrelation problems (Wooldridge, 2002). The usage of FEM will minimize the error and resolve heteroscedasticity and autocorrelation issues in the model.
IV. Results and Analysis

4.1. Results

| Table 4.1. Descriptive Statistics of Determinant FDI |
|-----------------------------------------------|
| Variable | Obs | Mean  | Std. Dev | Min   | Max   |
|----------|-----|-------|----------|-------|-------|
| FDI      | 658 | 4.231056 | 5.118182  | -4.852285 | 39.4562 |
| CC       | 658 | -0.5872222  | 0.6127743  | -1.638287  | 1.567186 |
| PSAV     | 658 | -0.6382845  | 0.9193312  | -2.82731  | 1.387627 |
| INF      | 658 | 5.462609  | 6.361138  | -10.06749  | 63.29  |
| ER       | 658 | 1.685307  | 1.234287  | -0.5705249  | 4.153417 |
| GDPgr    | 658 | 4.680932  | 4.207697  | -20.59877  | 34.46621 |
| TO       | 658 | 79.43852  | 34.9056  | 19.1008  | 203.8546 |

* Foreign Direct Investment Net Inflows (FDI) as the dependent variable

Source: primary data processed (2010)

The descriptive statistical analysis aims to describe the data used by compiling and arranging data based on specific sizes without intending to conclude. The statistical measures commonly used for descriptive statistical analysis are mean, maximum, minimum, and standard deviation (Table 4.1.)

The FDI variable has a maximum value of 39.4562, a minimum value of -4.852285, and a mean value of 4.231056. In table 4.1, it can be seen that the standard deviation of FDI has a value that is greater than the mean, so it can be concluded that there is a data imbalance. The highest FDI value was 39.4562, and the lowest was -4.852285 percent of its contribution to GDP. The highest was in the country of Mozambique in 2013 and the lowest in Chad in 2014. The lowest score experienced by the government of Chad illustrates that there was considerable disinvestment that year. The score shows the imbalance of foreign investment in OIC Member Countries. The mean value of 4.231056 shows that the FDI level in OIC countries has a positive growth of 4.23%.

The Control of Corruption variable has a maximum value of 1.567186 achieved by the Qatar state in 2009, while the lowest control of corruption value is the Afghan state in 2008, which reached -1.638287. The mean value is -0.5872222, and the standard deviation is 0.6127743. It can be concluded that the OIC member countries are still weak to eradicate existing corruption. The situation also happens to the political stability of OIC member countries. In the range of 2005 to 2018, the mean value of political stability was -0.6382845, and the standard deviation value was 0.9193312. The maximum value of political stability was 1.387627 in Brunei Darussalam in 2009, and the lowest minimum value of -2.82731 in the country of Iraq in 2006. The leading
cause of the low level of political stability in OIC member countries is that there are still rampant civil conflicts between OIC member states.

The inflation variable has a mean value that is smaller than the standard deviation of 5.462609, while the standard deviation is 6.361138, so that it can be seen that there is an imbalance in OIC member countries. The minimum value of -10.06749 in Iraq in 2007, the maximum value of 63.29 in the government of Sudan in 2018. With a massive ratio of minimum and maximum values, it can be seen that there is quite a difference in the inflation rate between OIC member countries, especially in developing countries or less developing countries.

Meanwhile, the exchange rate variable has a maximum value of 4.153417, a minimum value of -0.5705249, a standard deviation of 1.234287, and a mean of 1.685307. The exchange rate variable has a standard deviation value smaller than the mean value, so it can be concluded that there is no data imbalance. The highest exchange rate, namely 4.153417, occurred in Indonesia in 2018, while the lowest exchange rate was -0.5705249 in Kuwait in 2008.

The GDP growth variable has a maximum value of 34.46621, a minimum value of -20.59877. The GDP growth variable has a standard deviation value smaller than the mean value, which is 4.207697, while the mean value is 4.680932, so it can be concluded that there is no data inequality. The highest GDP growth value was 34.46621 achieved by Azerbaijan in 2006, and the lowest was -20.59877 in Sierra Leone in 2015. The mean value is 4.680932, which means that OIC member countries have a positive economic growth rate of 4.68%

The exchange trade openness (TO) variable has a maximum value of 203.8546 in Malaysia in 2005. A minimum value of 19,1008 occurred in Sudan in 2015, a standard deviation of 34.90564 and a mean of 79.43852. The trade openness variable has a standard deviation value smaller than the mean value, so it can be concluded that there is no data imbalance.

| Model* | Model | Prob. | Result | Decision |
|--------|-------|-------|--------|----------|
| Predictors: Control of Corruption (CC), Political Stability and Absence of Violence (PSAV), Inflation (INF), Growth GDP Per Capita (GDPgr), Exchange Rate (ER), Trade Openness (TO) | Chow (CEM: FEM) | 0.000 | Fixed Effect Model | Fixed Effect Model |
| | Hausman (REM: FEM) | 0.0037 | Fixed Effect Model | Fixed Effect Model |
| | Lagrange Multiplier (CEM: REM) | 0.0000 | Random Effect Model | Random Effect Model |

Source: Secondary data processed (2020)
Based on table 4.2, it can be decided that the fixed effect model (FEM) is better than the expected effect (CEM) and the random effect (REM) model. In the Chow test and the Hausman test, the fixed effect model was chosen because the probility value is smaller than the significance value $\alpha = 0.05$. In the Langrange Multipler test, random effect model (REM) is better than the expected effect (CEM) because the probility value is smaller than the significance value $\alpha = 0.05$. The conclusion is that the fixed effect model is the best model for this study, among other models because in the Chow test and the Hausman test has a same results.

The multicollinearity test detects whether the correlation relationship exists between independent variables. Table 4.3. shows that the overall value of the correlation coefficient is less than 0.8, where if the value of the correlation coefficient is less than 0.8, then there exists no multicollinearity between independent variables.

The Heteroscedasticity test detects whether there is a constant error variance. The Wald test did the test in this study. Table 4.4. shows that the value (Prob> chi2) is 0.0000, which means the value (Prob> chi2) is smaller than the significance value $\alpha = 0.05$. The number means that there is a heteroscedasticity problem in the model.

The autocorrelation test detects whether there exist residual correlations between observation units. Table 4.4. shows that the value (Prob> F) is smaller than $\alpha = 0.05$, which means that the autocorrelation test results have autocorrelation problems.

| Variable | FDI  | CC   | PSAV | INF  | ER   | GDP GR | TO   |
|----------|------|------|------|------|------|--------|------|
| FDI      | 1.000|      |      |      |      |        |      |
| CC       | -0.0186 | 1.0000|      |      |      |        |      |
| PSAV     | 0.1268 | 0.6645| 1.0000|      |      |        |      |
| INF      | 0.0922 | -0.2797| -0.3279| 1.0000|      |        |      |
| ER       | -0.0154 | -0.5753| -0.3193| 0.0511| 1.0000|        |      |
| GDP GR   | 0.2221 | -0.0497| -0.0269| 0.0890| 0.0162| 1.0000|      |
| TO       | 0.3152 | 0.4265| 0.3639| -0.1614| -0.4086| 0.0440| 1.0000|

Source: Secondary data processed (2020)

| Heteroscedasticity Test | Autocorrelation Test |
|-------------------------|----------------------|
| Prob>chi2               | Prob > F             |
| 0.0000                  | 0.0000               |

Source: Secondary data processed (2020)
Table 4.5 The Empirical Results

| Variable | Coefficient |
|----------|-------------|
| CC       | 1.480789    |
|          | (0.118)     |
| PSAV     | -0.0588752  |
|          | (0.918)     |
| INF      | 0.0378151   |
|          | (0.290)     |
| ER       | 0.6398378   |
|          | (0.538)     |
| GDP gr   | 0.1877152*  |
|          | (0.008)     |
| TO       | 0.0972672*  |
|          | (0.001)     |
| C        | -4.831105   |
| R²       | 0.1793      |
| Adjusted- R² | 0.1169    |
| Prob>F   | 0.0001      |

* Significant

Source: Secondary data processed (2020)

The fixed-effect model in this paper encountered heteroscedasticity and autocorrelation problems. This problem can be solved by the robust standard error method. The full standard error can correct standard errors in models with heteroscedasticity and autocorrelation problems (Wooldridge, 2002).

Table 4.5 shows the value smaller than 0.05, which meant that economic growth and trade openness significantly affect foreign direct investment. Meanwhile, the other variables, such as corruption, political stability, inflation, and exchange rate, has no significant effect on foreign direct investment because of their significance value more significant than 0.05, and the panel data regression estimation showing the influence of the independent variables on the dependent variables. Based on Table 4.6, the R-squares value is 0.1169. The value of 0.1169 indicates that the independent variable can explain 11.69% of the dependent variable's variation.

4.2. Analysis

First, the corruption variable shows a significance value of 0.118 (p > 0.05), which means that it has no significant effect on foreign direct investment. This result is impressive because OIC countries' majorities contain low and middle-low countries, whereas corruption is worse among developing countries. The result can be explained by how foreign investors see other institutional
variables. The results of this study are consistent with the results of research conducted by Gangi & Abdulrazak (2012), Jadhav (2012), Udenze (2014), and Canare (2017).

Second, political stability shows a significance value of 0.918 ($p > 0.05$), which means that it has no significant effect on foreign direct investment. The regression coefficient value of political stability (PSAV) is \(-0.0588752\). The result happens because there are differences in each investor in assessing the political risk. Each foreign investor also has its preferences for investing in a country, one of which is the natural resources that are profitable for the country. Each country has its characteristics that attract investors. Investors themselves have several ways to reduce the effects of political risk by using political risk insurance so that political stability does not affect investors to invest in a country. The results of this study are consistent with research conducted by Jaspersen (2000), Hausman and Fernandez (2000), Gangi & Abdulrazak (2012), Jadhav (2012), Kurul and Yalta (2017), which state that political stability does not affect foreign direct investment (FDI).

Third, inflation shows a significance value of 0.290 ($p > 0.05$), which means that it has no significant effect on foreign direct investment. Inflation does not have a significant impact because, for investors, a price increase is still more substantial than an increase in the entire production that must be issued. Therefore, investors still have a profit. Thus, inflation does not affect. These results are consistent with the results of research conducted by Udenze (2014), Gharaibeh (2015), and Alshamsi, Hussin & Azam (2015).

Fourth, the exchange rate shows a significance value of 0.538 ($p > 0.05$), which means that it has no significant effect on foreign direct investment. The results are consistent with the theory of "The Currency Areas hypothesis," which is a theory which states that if a country whose exchange rate strengthened compared with an investment destination will provide investment in the country in hopes of getting a higher return rate. However, the exchange rate did not significantly affect the foreign direct investment (FDI) of this result following the research of Gharaibeh (2015) and Xaypanya, Rangkakulnuwat, & Paweenawat (2015) because investors generally see the condition of infrastructure and economic growth. The amount of value is not too calculated by foreign investors, and foreign direct investment (FDI) is long-term. Simultaneously, the exchange rate tends to fluctuate in a short time (seasonal).

Fifth, economic growth shows a significance value of 0.008 ($p > 0.05$), which significantly affects foreign direct investment. The regression coefficient value of exchange rate variables (GDP gr) is 0.1877152, which means that when the economic growth increases by one scale, foreign direct investment (FDI) will
increase by 0.1877152. The results of this study are following the hypothesis, which states that economic growth has a positive and significant effect on foreign direct investment (FDI). These results are consistent with the results of research by Jadhav (2012), Asideu (2013), Tintin (2013), Alshamsi, Hussin, & Azam (2015), Asamoah (2016), Ulah and Khan (2016), and Karim et al. (2018). Increased economic growth in a country shows an increase in market size (market size). A larger market will increase commodity demand. The increase in sales in a country's market reflects that the government can already compete. Investors who enter the market will benefit, so foreign investors are interested in investing in that country.

Sixth, trade openness shows a significance value of 0.001 (p > 0.05), which significantly affects foreign direct investment. The regression coefficient value of Trade Openness (TO) is 0.0972672, which means that when the trade openness increases by one scale, foreign direct investment (FDI) will increase by 0.0972672. These results are following research by Jadhav (2012), Asideu (2013), Tintin (2013), Asamoah (2016), Ulah and Khan (2017). Trade openness is created from the presence of an open economy. The open economy itself is an economy that can interact freely with other economies in various parts of the world (Mankiw, 2006). The impact of trade openness will open up economic paths between countries so that it will open up opportunities for foreign investors to enter into a nation; therefore, foreign investors prefer to invest in countries that have a high level of trade openness.

V. Conclusion and Recommendation

5.1. Conclusion

This paper aims to determine the determinants of Foreign Direct Investment (FDI) in OIC countries from 2005 to 2018. These determinants include corruption, political stability, inflation, exchange rates, economic growth, and trade openness. The results of this paper are the variables of corruption, political stability, inflation, and the exchange rate does not affect foreign direct investment (FDI). In contrast, the variables of economic growth and trade openness affect foreign direct investment (FDI). Although these study results are the same as previous studies, some are not the same. It is hoped that in the future, research can find answers to why the results are inconsistent.

Like other studies, this study also has limitations. There are still some determinants of FDI that are not included, such as interest rate, unemployment rate, the rule of law, government effectiveness, and
regulatory quality in this model. It is hoped that further researchers can add these variables and increase the period.

5.2. Recommendation

The recommendations based on the study results can be summarized as follows. First, governments need to issue a policy so that foreign investors are interested in investing their capital. One way is to increase economic growth to encourage the flow of FDI. Second, governments need to increase the degree of economic openness by reducing trade barriers (exports and imports), both in the form of rates and non-rates.
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