

DETERMINANT ANALYSIS OF SHARIA STOCK RETURNS AND THE IMPACT OF THE PANDEMIC AS MODERATION VARIABLES (Case Study of Jakarta Islamic Index (JII) for the 2017-2021 Period)

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Submission date: 25-Dec-2022 06:00PM (UTC+0900)

Submission ID: 1986492821

File name: Jurnal_Penelitian_Muhammad_Ridha_Irsyadillah.pdf (1.01M)

Word count: 9071

Character count: 45131

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Abstract

Coronavirus is a contagious disease caused by the acute respiratory syndrome Coronavirus 2. The disease was first detected in Wuhan, the capital of China's Hubei Province, in December 2019, and has since spread around the world, causing a coronavirus pandemic from 2019-2020. Prevention carried out by several countries in the world is to carry out lockdown efforts, regional quarantine, to Large-Scale Social Restrictions (PSBB). Meanwhile, people who invest some or all of their assets in large companies also have a significant impact. The stock market in Indonesia is one of the important sources of funding for a company. Companies that have gone public can increase their source of funds through the sale of company ownership in the capital market. So this time the researcher wants to conduct further testing of variables that affect Sharia Stock Returns in the Jakarta Islamic Index (JII) by considering the Covid-19 pandemic, this research is focused on analyzing internal factors by including external variables (covid 19 pandemic) as moderation variables. The method used in this study is quantitative. The data is taken from the data of each company's financial statements registered with JII (Jakarta Islamic Index). The result of this study is that the variables EPS, DER, ROA, CR do not have a significant effect on Sharia Stock Returns. However, the economic situation that occurs in JII-listed companies remains stable and does not fluctuate.

Keywords: Pandemic, Investment, JII, Moderation, Internal Company Factors

Abstrak

Coronavirus merupakan penyakit yang menular yang disebabkan oleh sindrom pernapasan akut Coronavirus 2. Penyakit ini pertama kali terdeteksi di Wuhan, Ibu Kota Provinsi Hubei China, pada Desember 2019, dan sejak itu menyebar ke seluruh dunia, menyebabkan pandemic virus corona dari 2019-2020. Pencegahan yang dilakukan oleh beberapa negara di dunia adalah melakukan upaya lockdown, karantina wilayah, hingga Pembatasan Sosial Berskala Besar (PSBB). Sementara itu masyarakat yang menginvestasikan sebagian atau seluruh hartanya kepada perusahaan-perusahaan besar juga berdampak secara signifikan. Pasar saham yang berada di Indonesia merupakan salah satu sumber pendanaan yang penting bagi suatu perusahaan. Perusahaan yang sudah go public dapat menambah sumber dana melalui penjualan kepemilikan perusahaan di pasar modal. Maka peneliti kali ini ingin melakukan pengujian lebih lanjut terhadap variable yang mempengaruhi Return Saham Syariah di Jakarta Islamic Index (JII) dengan mempertimbangkan pandemic covid 19 Penelitian ini difokuskan menganalisis faktor-faktor internal dengan memasukkan variable eksternal (pandemic covid 19) sebagai variable moderasi. Metode yang digunakan dalam penelitian ini adalah kuantitatif. Data diambil dari data masing-masing laporan keuangan perusahaan yang terdaftar di JII (Jakarta Islamic Indeks). Hasil penelitian ini adalah variabel EPS, DER, ROA, CR tidak berpengaruh signifikan terhadap Return Saham Syariah. Akan tetapi keadaan ekonomi yang terjadi di perusahaan yang terdaftar di JII tetap stabil dan tidak terjadi fluktuatif.

Kata Kunci : Pandemi, Investasi, JII, Moderasi, Faktor Internal Perusahaan

INTRODUCTION

Coronavirus 2019 (Covid-19) is an infectious disease caused by the acute respiratory syndrome Coronavirus 2 (Sars-CoV-2). The disease was first detected in Wuhan, the capital of China's Hubei Province, in December 2019, and has since spread around the world, causing the coronavirus pandemic from 2019-2020. The World Health Organization (WHO) has declared the coronavirus outbreak from 2019-2020 to be an International Emergency Public Health (PHEIC) on January 30, 2020, and a pandemic on

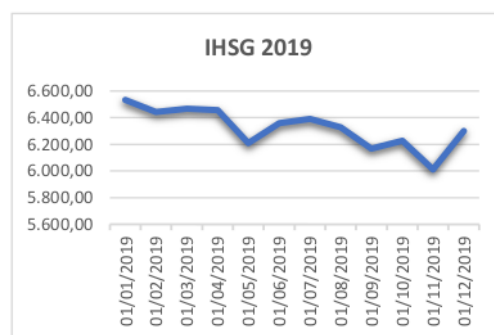
March 11, 2020. Considering that nearly 200 countries in the world, including Indonesia, have contracted the virus, the outbreak of the disease has shaken the world community.

The economy is a unified circular flow consisting of the consumer and producer communities. In simple terms, the expenses of one entity are sustenance for another. The production of one entity is not only goods and services ready for consumption, but also income for households working in factories and production households. Of course, if the lockdown is imposed, then the economy will come to a standstill. While the need must go on.

The stock market in Indonesia is one of the important sources of funding for a company. Companies that have gone public can increase the source of funds through the sale of company ownership in the capital market. The funds obtained are a long-term source of funding so that the company can optimize these sources of funds to improve performance. The thing that the company must do then is to maintain and increase investor confidence by providing the best performance. but when the covid-19 pandemic has spread around the world. At first, this did not affect the stock market, but with more and more victims dying, the capital market gave a negative reaction. As well as causing the occurrence of negative abnormal returns.

Judging from the Composite Stock Price Index in January 2019 and its peak in May-December 2019. Economic growth is also in line with Composite Stock Price Index conditions where there was a decline in the 1st quarter of 2020.

Figure 1. JCI chart for 2019



Source. <https://www.investing.com/indices/idx-composite-chart>

Graph in Figure 1. shows a graph of the actual data of the Composite Stock Price Index from January to December of 2019. The actual data is the original data of the stock price used, it can be seen that changes in the stock index over time tend to be volatile. The highest number of stock indices occurred in the fourth week of January 1 with the index figures obtained. of 6532.97. while in May, there was a very steep decline in the stock price at the close of the stock price precisely in the third week of May 14, 2019 of 6,209.12. However, the stock index began to rise slowly in the following months and fell again by 6,011.83 and rose slowly.

Figure 3. ISSI Stock Price Movements investing.com source



Source. <https://www.investing.com/indices/idx-shariah-chart>

In Chart 3. The movement of ISSI's share price shows that there is a higher movement compared to Composite Stock Price Index during the Covid-19 pandemic, which shows that ISSI is better than Composite Stock Price Index or sharia stock prices are better or superior to conventional stock prices.

So in this study, we want to conduct further testing of variables that affect sharia stock returns in the Jakarta Islamic Index (JII) by considering the covid 19 pandemic. This research is focused on analyzing internal factors by including external variables (covid 19 pandemic) as moderation variables. These variables are considered very important to be examined and analyzed more deeply. Because the above variables have an important role in influencing sharia stock returns in the Jakarta Islamic Index (JII) before and during the Covid-19 pandemic, the researchers in this study took the title "Determinant Analysis Of

Sharia Stock Returns And The Impact Of The Pandemic As A Moderation Variable (Case Study of the Jakarta Islamic Index (JII) for the 2017-2021 Period)"

LITERATURE REVIEW AND HYPOTHESIS DEVELOPMENT

Investment

Liliana Chandra (2012) defines Investment is a form of investment either directly or indirectly, both long-term and short-term, with the hope that it will get benefits or a form of benefit from the investment. According to IDX investment can be defined investment, usually in the long term for the procurement of complete assets or the purchase of shares and other securities to obtain profits. According to Sadono Sukirno (2008), the definition of investment is investment means shopping activities to increase the production capacity of an economy.

Markowitz's investment theory that the higher a return or profit, the higher the risk or loss, and vice versa if the return or profit is low, the risk or loss is also low it is referred to as high return and high risk, low return and low risk.

Markowitz argues that the best porofolio is the one that is managed in the most ideal way, namely by considering in each trade off (a decision on two or more things, sacrificing/losing an aspect for a certain reason to obtain another aspect of different quality as the choice taken) between the risk and the return that will be passed later.

Markowitz's Portfolio Theory is also known as the Mean-Varian Model, which emphasizes efforts to maximize expectations of returns (mean) and minimize uncertainty/risk (variance) to select and build an ideal portfolio.

Theory of Risk and Return

In investment theory, risk and profit (return) are always closely related. The relationship between risk and return lies in how much risk or profit will occur. The higher the level of risk that will be faced, the greater the level of profit that will be obtained. According to Susilo in Muhammad, profit and risk are directly proportional, if the profit is high, it means that the risk is also high, on the other hand, if the profit is low, the risk will also be low. The relationship between risk and return is a law and basic principle of investment theory known as high risk high return, low risk low return

Investment in Islam

Sharia investment is an investment that can only be made in financial instruments with a work system in accordance with Islamic law. Investment is a recommended activity in the Islamic view. This is because investment activities have been carried out by the prophet Muhammad pbuh from a young age until the approach of the apostolate masalah multiplayer effect, including creating business and jobs, avoiding funds settling and so that the funds do not rotate among the rich alone (Q.S Al Hasr [59]:7).

As for the rules regarding investment in Islam other than gharar and maysir are al ghunm bil ghurmi and al kharja bil-al-dhaman as for the explanation is as follows:

1. Al- Kharaj bi al-daman

The basis of the rule of al kharja bi al-daman is found in the hadith of the Prophet SAW which means

"It is from Aisyah that a man buys a slave and then the slave stays with him as long as God wills. Then the buyer got a defect in the slave and reported it to the Prophet SAW. Then the man said, "O Messenger of Allah, he (the buyer) has hired (benefited) from my slaves". The Prophet said, "The right to get results is caused by having to bear losses" (HR. Abu Dawud)

The acquisition of wealth in Islam is only allowed if it is involved with economic enterprises that contain an element of risk al kharaj bi al-daman, also means that any profit must be accompanied by a loss obligation to obtain Halal income

2. Al Gharmu bi I Ghunmi

الْغَرْمُ بِالْغَنَمِ يَعْنِي إِنَّ مَنْ يَنَالُ نَفْعَ شَيْءٍ يَحْتَمِلُ ضَرَرَهُ

Which means: "Risk is in line with profit (that is, the person who benefits from something, at the same time must be willing to sacrifice if there is a risk from a business that has given him benefits)"

From the above paragraph, the meaning is that profit arises along with the risks or risks that come will inevitably be accompanied by the name of the benefits, another meaning that someone who takes advantage of something will definitely bear the risks.

DES (List of Sharia Effects)

DES (Sharia Effect List) is a collection of Sharia Securities, designated by the Financial Services Authority or issued by the Sharia Securities List Issuing Party. The Sharia Securities List established by the Financial Services Authority must be used as a reference for:

1. Parties issuing sharia securities indices in the country.
2. Investment managers who manage the investment portfolio of Sharia Securities in the country.
3. Securities companies that have an online sharia trading system.
4. Other parties who prepare and / or manage the investment portfolio of domestic Sharia Securities for the benefit of other parties, as long as they are regulated in the provisions of laws and regulations

ISSI (Indonesia Sharia Stock Index)

According to IDX, ISSI is a composite index of Islamic stocks listed on the IDX. ISSI is an indicator of the performance of Indonesia's Sharia stock market. ISSI constituents are all sharia stocks listed on the IDX and included in the Sharia Securities List (DES) issued by the OJK. This means that the IDX does not select sharia stocks that are included in the ISSI.

The Indonesia Sharia Stock Index (ISSI) is a stock index that reflects all Sharia stocks listed on the Indonesia Stock Exchange (IDX). When the Indonesia Sharia Stock Index (ISSI) was launched on May 12, 2011 in Jakarta, the number of Sharia stocks listed on the Indonesia Stock Exchange (IDX) was 214 shares. The existence of ISSI complements the previous stock index, namely JII (Jakarta Islamic Index). ISSI members are all sharia stocks listed on the Indonesia Stock Exchange (IDX) and listed in the Sharia Securities List (DES).

Figure 6. Issi Indices and Market cap chart



Source. <https://www.idx.co.id/idx-syariah/indeks-saham-syariah/>

The number of shares incorporated in ISSI as of the end of June 2022 amounted to IDR 4,259,240.63 trillion, an increase compared to the end of 2021, amounting to IDR 3,983,652.80 trillion. In the chart above, there is a significant increase in 2022 and a continuous increase from year to year.

Hypothesis Development

Relationship between ROA (Return of Asset) and sharia stock return

Return of Asset (ROA) depends on the management of company assets by management which describes the efficiency of the company's operations. Then the higher the ROA (Return of Asset) value indicates the creation of profits generated by the company. Indonesia is a type of semi-strong stock market (look for references). So the increasing ROA information, investors will immediately respond so that stock returns will move.

Based on the research of Ifayani Haanurat, (2013). that partially the independent variable ROA has a significant positive effect on the return on Islamic stocks. Other researches from Heffi Christya Rahayu, Etty Puji Lestari, Tri R. Kurniawati. (2021) ROA simultaneously has a significant effect on Stock Price. Based on the relationship above, it can be hypothesized that.

H1 : ROA (Return of Asset) affects sharia stock returns

Relationship between EPS (Earning Per Share) and Sharia Stock Return

Market Ratio or stock ratio is a ratio used to measure the value of a stock. This ratio provides information on how much the public (investors) or shareholders value the company, so they are willing to buy the company's shares at a higher price than the book value of the shares.

The Market Ratio discussed in this study is Earnings Per Share (EPS). Rudianto and Sutawidjaya (2012) mentioned in their research because securities analysts generally predict the ratio of income from price per share (EPS), the evaluation of earnings records per share in the previous period changing from time to time will be very profitable.

The company's revenue growth rate is estimated over time to focus on increasing the "growth rate" of the stock. EPS is a ratio that shows how much profit (return) an investor or shareholder earns per share. The higher the value of EPS is of course encouraging to shareholders because the greater the profit provided to shareholders.

Based on research by Khusnul Mu'arifah, Sam'ani, (2019). That EPS simultaneously has a significant effect on the Share Price of Companies Listed in the Jakarta Islamic Index (JII) for the 2014-2018 Period. Research by Saniman Widodo, (2005) states that EPS has a significant positive influence on sharia stock returns. Based on the relationship above, it can be hypothesized that.

H2: EPS (Earning Per Share) affects sharia stock returns

Relationship between DER (Debt of Equity Ratio) and Sharia Stock Return

The higher the Debt to Equity Ratio (DER) shows that the composition of the total debt is greater than the total equity, so that the burden and dependence of the company's capital on outside parties are also greater. The amount of debt composition to the company's total capital will also have an impact on reducing the net profit enjoyed by shareholders.

This is because part of the profit obtained is used to pay expenses or interest costs. The decrease in the share of profits earned by shareholders will result in a decrease in the level of shareholder confidence, resulting in a decrease in the share price. A falling stock price will result in a decrease in the return on shares.

From Amelia Oktrivina's explanation, (2022) that the Debt to Equity Ratio Variable (DER) partially affects the Stock Price. Then according to Andi Amri, Zulmi Ramdani, (2020)

that DER has a positive and significant effect on stock returns. Based on the relationship above, it can be hypothesized that

H3: DER (Debt of Equity Ratio) affects sharia stock returns

Relationship between CR (Curently Ratio) and Sharia Stock Return

Current Assets (CR) will make a significant negative contribution to changes in JII stock returns, that is, an increase or decrease in the value of CR will have an impact on the increase or decrease in JII stock returns negatively. The results of this analysis indicate that investors also use CR as a parameter to measure company performance to predict the return on shares of the Jakarta Islamic Index (JII).

According to research from Aryanti, Mawardi, (2016) that CR (Curently Ratio) has a significant effect on the return of Islamic stocks. Then there is research from Eva Purnamasari, Ardiansyah Japlani, (2018) that CR has a significant effect on sharia stock returns. Based on the relationship above, it can be hypothesized that

H4: CR (Curently Ratio) affects sharia stock returns

Pandemic as a moderation variable

The Covid-19 pandemic in Indonesia also affected the capital market and caused a change in trading time on the Indonesia Stock Exchange and this was a negative signal (bad news) that caused investors to be more interested in selling their shareholdings. Based on this, the Covid-19 pandemic will have an impact on the company's performance getting worse so that the company's stock price will be responded to negrantly by the market. Therefore, the Covid-19 pandemic will greatly worsen the company's profitability relationship to stock returns. Therefore, the hypotheses in this study are as follows:

H5: The Covid-19 pandemic has been able to moderate the relationship between ROE, DER, EPS AND CR companies to sharia stock returns.

RESEARCH METHOD

Types of Research

Quantitative approach is research in the form of number analysis to test a hypothesis of the problem raised. This approach is to test a theory and show the relationship between variables from one another, provide statistical descriptions and interpret the results. In the quantitative approach provides a fundamental relationship between empirical and mathematical observations of quantitative relationships.

So quantitative research in this study is used to examine certain samples, data collection, data analysis with the aim of testing hypotheses that have been applied. In this study, researchers used a quantitative approach to test the signification of data between the variables studied, namely EPS (Earning Per Share), ROA (Return of Asset), DER (Debt to Equity Ratio), CR (Curently Reading). to Sharia Stock Returns on the Jakarta Islamic Index (JII) for the 2017-2021 period. And the pandemic as a moderation variable.

Data Types and Sources

In this study, the data used was secondary data obtained through searches from internet media available in the Jakarta Islamic Index (JII). The data has been published by the Financial Services Authority (OJK) from 2017 to 2021. The data is taken from the official website of the institution concerned, namely www.ojk.go.id and idx.co.id.

No	Variable	Data Type
1	EPS	Company Financial Statements (Profit and Loss)
2	DER	Company's Leuangan Report (Balance Sheet)
3	ROA	Company Financial Statements (Balance Sheet and Profit and Loss)
4	CR	Company Financial Statements (Balance Sheet)
5	Pandemic	https://pusdatin.kemkes.go.id/folder/view/01/structure-publikasi-pusdatin-Situasi-COVID-19.html
6	Stock Returns	Share Price

Data Collection Techniques

This study uses data collection techniques by searching and collecting data related to variables in the form of annual reports, official websites, etc. As for the data collection procedure in this study, the author conducted quantitative research from the www.ojk.go.id site, reviewed the company's financial statements and annual data to obtain a theoretical basis for sharia stock returns, as well as financial reports aimed at obtaining these variable data.

Variable Operational Definition

The measurement scale is the determination or determination of a variable based on the type of data contained in the research variable. In another sense a rule of assigning numbers to various objects so that the numbers can represent the quality of the data. The measurement scale is a reference and guideline for determining measuring instruments in obtaining quantitative data results. The scale used in this study is a ratio scale, where the ratio scale can reflect the original value of a variable.

No	Variable	Definition	Formula
1	EPS	Earnings Per Share (EPS) of a company's performance can be measured using one of the indicators, the size of eps is determined by the profit of the company. (Soeharjoto Soekapdjo, (2021))	EPS = Net profit after interest and tax /Number of shares outstanding
2	DER	DER is a comparison between borrowed/debt funds compared to capital to develop a company (Heffi Cristia Rahayu, 2021)	DER = Total Liabelities/Equety
3	ROA	Return on Assets (ROA) or what is often translated into Indonesian as economic profitability is a ratio that measures a company's ability to make a profit in the past (Hasanah. U, 2015)	ROA = Profit Before Tax/Total Asset*100%

4	CR	CR is a measure to assess a company's ability to meet its short-term obligations or current obligations. CR is needed to measure a company's liquidity level, but of course this can also trap investors, because a high CR could be due to uncollectible receivables, inefficient operations, or unsold inventory. (E. Purnamasari, 2018)	CR = Current Asset/Current Liabilities
5	Pandemic	This pandemic is proxied with the year the pandemic occurred, therefore this pandemic variable is measured by dummy. Dummy variables are variables that are assigned categories 1 and 0. If the observation is a pandemic year, it is given a value of 1 while if the observation does not occur in a pandemic year, it is given a value of 0.	Tahun Pandemi = 0, Tahun Sebelum Pandemi = 1
6	stock returns	profit returns obtained by investors from a stock investment made	$\frac{P_t - P_{t-1}}{P_{t-1}}$

Data Analysis Techniques

In data analysis in this study using the panel data regression analysis method. Which in conducting the analysis is the estimation of the smallest squared parameter or called ordinary least square (OLS).

Normality Test

The Normality Test is used to test whether in a regression model between independent variables it is normally distributed or not. In a good regression model, it is by choosing a normal distribution of data or data that is close to normal. The normality test is divided into two, namely:

1. If the profitability value of a significant value > 0.05 means that the data is normally distributed.
2. If the profitability value of a significant value < 0.05 means that the data is not normally distributed.

Test of Classical Assumptions

Before conducting hypothesis testing using data regression analysis the panel needs conducted first testing of classical assumptions. Classic assumption tests include:

- a. Multicollinearity
- b. Heteroskedasticity
- c. Autocorrelation

Panel Regression Test

Panel data is a combination of cross section data and time series data, where the same cross section unit is measured at different times. Panel data regression analysis is a regression analysis that is based on panel data to observe the relationship between one dependent variable and one or more independent variables. The regression model will be used as follows:

$$Y_{it} = \alpha + \beta_1 X_{1it} + \beta_2 X_{2it} + \beta_3 X_{3it} + \beta_4 X_{4it} + \beta_5 X_{5it} + \epsilon_{it}$$

The regression model after being moderated by the pandemic is as follows:

$$Y_{it} = \alpha + \beta_1 X_{1it} + \beta_2 X_{2it} + \beta_3 X_{3it} + \beta_4 X_{4it} + \beta_5 X_{5it} + \beta_6 (X_{1it} - X_{5it}) + \beta_7 (X_{2it} - X_{5it}) + \beta_8 (X_{3it} - X_{5it}) + \beta_9 (X_{4it} - X_{5it}) + \epsilon_i$$

Selection of Panel Data Regression Estimation Techniques

The selection of panel data regression estimation techniques is known for three kinds of estimation approaches, namely Common Effect Model, Fixed Effect Model, and Random Effect Model. To determine the best technique to be used for panel data regression, the test is carried out the chow test and the thirist test, T-Test, F-Test.

1. FEM (Fixed Effect Model)
2. REM (Random Effect Model)
3. PLS (Pooled Least Square)
4. Chow Test
5. Hausmant Test
6. LM Test

RESULT AND ANALYSIS

Overview of the Object of Study

This study analyzes the effect of EPS, DER, ROA, CR on Sharia Stock Returns in JII. The data used is secondary data that uses time series for the 2017-2021 period. The data is processed using a tool in the form of E-views 10 software, using the panel data method. Then it is necessary to see how the description of the development of these variables in general.

The following table 1 shows the characteristics of the samples used in this study including number of samples (N), sample average (average), maximum value, minimum value as well as standard deviation for each of the variables.

From table 4.6 above, it can be concluded that the sum of the data of all variables is 95. The minimum value of variable Return on Shares (Y) is Rp. 5963,333; with a maximum value of Rp. 55899.31, the median is Rp. 2959,220 and the average value is Rp. 7230,548. The minimum value of variable EPS is 3099,231%, with a maximum value of 168436.3%, the median is 4918.961% and the average value is 8035.430%. The minimum value of variable DER is 0.133628%, with a maximum value of 1691.127%, and an average value of 9337.533%. And the minimum value of variable ROA is 0.018238%, with a maximum value of 1861.532%, and an average value of 8883.905%, the median is 0.157578% and the

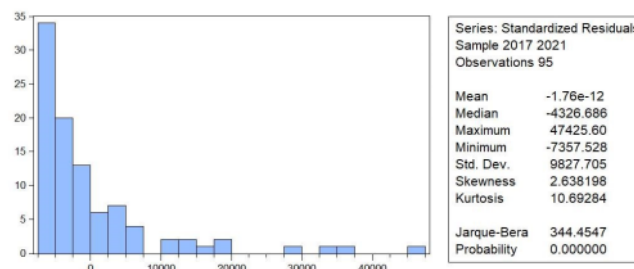
minimum value of the variable CR is 0.004193% with a maximum value of 5640.516%, the medium is 1502.750% and the average value is 1858.519%.

From the total sample of 95 EPS minimum values in interaction with the pandemic of 3,543,378%, the maximum value of 168436.3%, the average value of 11306.14%, the median value of 7,503.417%. Then for DER, it is interacted with the pandemic with an average value of 1,675,541%, a median value of 1,260,464%, a maximum value of 4,738,365%, and a minimum value of 0.137854%. Then for ROA, it is interacted with the pandemic with an average value of 1,181,406%, a median value of 0.214924%, a maximum value of 2,454,686%, and a minimum value of 0.018238%. Then for CR, it is interacted with the pandemic with an average value of 3,223,677%, a median value of 2,428,446%, a maximum value of 1,333,786%, and a minimum value of 0.005746%.

From the data obtained after all classical assumptions are met then analyzed by the method panel data regression and calculated using the Eviews program version 10. Based on Eviews output partially unaffected from the four independent variables namely EPS, DER, ROA, CR shown in Table 2.

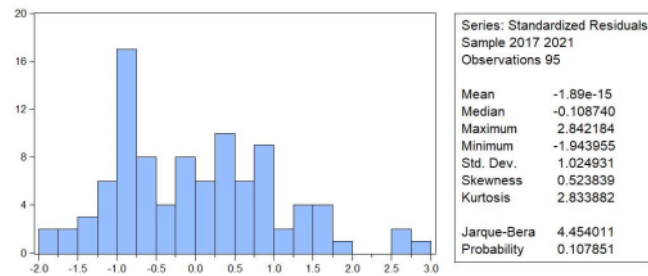
Normality Test

The normality test of this study was carried out with a normal probability plot graph test whose results were visible in Figure 1 below



Source: Eviews 10 Output Result, processed data

Based on the picture 4.9, it is known that the probability value of the Jarque-Bera statistics is not a signification value of 0.000000. This means that the data in this study is abnormally distributed. Because it is smaller than the signification limit which is 0.05. Therefore, the researcher will be cured with a normal logarithm, the following results of the normality test using the normal logarithm are as follows.



Source: Eviews 10 Output Result, processed data

Based on the picture 4.10, it has carried out a normality test that was previously abnormal and then using a normal logarithm, it is known that the probability value of the Jarque-Bera statistic has a signification value of 0.107851. This means that the data in this study is normally distributed. Because it is greater than the signification limit which is 0.05.

Multicollinearity Test

A multicollinearity test was performed to test whether in the regression model there was a correlation between independent variables. The results of multicollinearity testing are:

Variabel	EPS (X1)	DER (X2)	ROA (X3)	CR (X4)
EPS (X1)	1	0.23	0.41	-0.09
DER (X2)	0.23	1	0.50	-0.35
ROA (X3)	0.41	0.50	1	-0.18
CR (X4)	-0.09	-0.35	-0.18	1

Source: Eviews 10 Output Result, processed data

From the table 4.11, the correlation value between X1, X2, X3, X4 is below 0.9, the data above does not experience multicollinearity problems.

Heteroskedasticity Test

Heteroskedasticity aims to test whether in a regression there is an inequality of variants from the residual of one observation to another. The model is free from heteroskedasticity if the significant value of t in each independent variable is more than 0.05, if it is less than that then heteroskedasticity occurs.

Variabel	Coificient	t-Statistic	Prob.
C	-1.234.941	-0.140286	0.8890
D(X1)	0.006056	0.165254	0.8694
D(X2)	3.513.245	0.074335	0.9410
D(X3)	3.070.126	0.060473	0.9520
D(X4)	1.025.395	0.049931	0.9604

Source: Eviews 10 Output Result, processed data

Based on the table above has results due to the value of Prob. > 0.05 then it does not have heteroskedasticity disease with a value of X1 (0.8694 > 0.05) X2 (0.9410 > 0.05) X3 (0.9520 > 0.05) x4 (0.9604 > 0.05) while if the Prob value. < 0.05 then the data has heteroskedasticity disease

Autocorrelation Test

Then the calculated value of DW (d) = 0.252610 is obtained; d-table value for regression model with sum of data (N) 95, and k = 4 is : dl = 1.5795; du = 1.7546; 4-du = 2.4205; and 4-dl = 2.2454; hence from this calculation It is concluded that the D-Test is located in the test area. It can be seen in Figure 3 as follows:

Durbin-Watson stat
0.252610

Source: Eviews 10 Output Result, processed data

Table 4.13 above, shows Durbin Watson's autocorrelation result of 0.252610 at a significant level of 5%. With the free variable / k = 4 and the number of samples / n = 95, it can be known the value of DL = 1.5795 and the value of DU = 1.7546. Because the value of D (Durbin Watson) is 0.252610 which means it is smaller than the DL value of 1.5795, it can be concluded that autocorrelation occurs. To cure autocorrelation we need to use the Diferencing method. This method aims to increase the value of Durbin Watson

Durbin-Watson stat
2.188.301

Source: Eviews 10 Output Result, processed data

Table 4.13 above, is the result of an autocorrelation test using the Diferencing method to cure Durbin Watson which has autocorrelation in the previous table. Table 4.14 shows Durbin Watson's value of 2,188,301, which is greater than the DU value = 1.7546 and smaller than the 4-DU value = 2.4205. Then it can be implied that the data does not autocorrelate in it and can be continued to the next stage.

Selection of Panel Data Regression Estimation Techniques

The selection of panel data regression estimation techniques is known for three kinds of estimation approaches, namely Common Effect Model, Fixed Effect Model, and Random Effect Model. To determine the best technique to be used for panel data regression, the test is carried out the chow test and the first test.

From the selection of models and has passed the chow test, Hautman test, Im test, the model that is good to use is REM (Random Effect Models) according to the table below.

Variabel	Coefficient	t-Statistic	Prob.
C	11854.17	3.282.269	0.0015
X1	-0.004818	-0.142642	0.8869
X2	-3.745.012	-0.605898	0.5461
X3	-1.611.645	-0.579683	0.5636
X4	-6.450.593	-0.548215	0.5849
Z	-1.607.320	-2.539.492	0.0128
R-squared	0.073873		
F-statistic	1.419.817		
Prob(F-statistic)	0.224854		

Source: Eviews 10 Output Result, processed data

Variable	Coefficient	t-Statistic	Prob.
C	14335.99	3.112.402	0.0027
X1	-0.053112	-0.770419	0.4438
X2	-1.263.104	-0.431089	0.6678
X3	-4.621.667	-0.744537	0.4592
X4	-1.452.087	-0.899432	0.3716
Z	-3.532.650	-2.744.639	0.0078
X1Z	0.049513	0.936029	0.3526
X2Z	1.513.868	0.652001	0.5166
X3Z	3.040.679	0.754499	0.4532
X4Z	8.673.865	1.529.925	0.1307
R-squared	0.764576		
F-statistic	8.058.998		
Prob(F-statistic)	0.000000		

Source: Eviews 10 Output Result, processed data

Panel Data Regression Test

The results of the regression test can be seen from the Coefficients table derived from the E-views output of three independent variables EPS (X1), DER (X2), ROA (X3), and CR (X4) against Stock Return (Y) as dependent variables. Here are the results of the panel data regression test:

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	7.417.504	3.187.750	2.326.877	0.0222
X1	0.007257	0.034543	0.210088	0.8341
X2	-3.251.246	6.200.612	-0.524343	0.6013
X3	-7.881.520	2.853.449	-0.276210	0.7830
X4	6.905.262	1.165.082	0.059268	0.9529

Source: Eviews 10 Output Result, processed data

From the table above, it shows the results of the panel data regression test which will then be included in the following equation

$$7,417,504 + 0.007257EPS_{it} - 3,251,246DER_{it} - 7,881,520ROA_{it} + 6,905,262CR_{it} + \epsilon_{it}$$

Based on the panel regression equation above, it can be explained that:

- Based on the equation above, the magnitude of the constant is 7,417,504. This shows that if the independent variable (EPS, DER, ROA, CR) is worth 0, then the stock return rate is Rp. 7,417,504.
- The coefficient value of EPS is 0.007257 and is positively marked. This shows that every EPS increase of 1% then the Company's Stock Return rate increases by 0.007257%.
- The coefficient value of the DER is -3,251,246 and is marked Negative. This shows that every DER increase of 1% then the Company's Stock Return rate decreases by 3,251,246%.
- The coefficient value of ROA is -7,881,520 and is marked Negative. This shows that every ROA increase of 1% then the Company's Stock Return rate decreases by 7,881,520%.
- The coefficient value of CR was 6,905,262 and marked positive. This shows that every 1% increase in CR then the Company's Stock Return rate increases by 6,905.262%.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	14244.75	3.787.760	3.760.731	0.0003
X1	-0.042197	0.068336	-0.617498	0.5386
X2	-5.544.346	7.399.305	-0.749306	0.4557
X3	-4.537.035	6.073.698	-0.746997	0.4571
X4	-1.725.543	1.359.295	-1.269.440	0.2077
Z	-3.455.441	1.283.987	-2.691.181	0.0086
X1Z	0.038050	0.052289	0.727685	0.4688
X2Z	1.428.907	2.228.299	0.641255	0.5231
X3Z	2.680.144	3.994.124	0.671022	0.5040
X4Z	8.332.537	5.576.872	1.494.124	0.1388

Source: Eviews 10 Output Result, processed data

From the table above, it shows the results of the panel data regression test which will then be included in the following equation
Then the result of the equation is as follows

$$Y_{it} = 14244.75 - 0.042197X_{1it} - 5.544.346X_{2it} - 4.537.035X_{3it} - 1.725.543X_{4it} - 3.455.441X_{5it} + 0.038050 (X_{1it} \cdot Z) + 1.428.907 (X_{2it} \cdot Z) + 2.680.144 (X_{3it} \cdot Z) + 8.332.537 (X_{4it} \cdot Z) + \epsilon_i$$

Based on the panel regression equation above, it can be explained that:

a. Constant

From the results of the panel regression analysis test, it can be seen that the constant is 14244.75. This means that if an independent variable does not exist or is zero, then the return on the stock is 14244.75.

b. Regression Coefficient (β) X_1 of - 0.042197

This means that if EPS is increased / increased by 1 unit, assuming DER, ROA and CR are ignored, then the stock return decreases by 0.042197 units.

c. Regression Coefficient (β) X_2 of - 5,544,346

This means that if the DER is increased/raised by 1 unit, assuming EPS, ROA, and CR are ignored, then the stock return decreases by 5,544,346 units.

d. Regression Coefficient (β) X_3 of - 4,537,035

This means that if the ROA is increased / increased by 1 unit, assuming DER, EPS and CR are ignored, then the stock return decreases by 4,537,035 units.

e. Regression Coefficient (β) X_4 of - 1,725,543

This means that if the ROA is increased / increased by 1 unit, assuming DER, EPS and CR are ignored, then the stock return decreases by 4,537,035 units.

f. Regression Coefficient (β) $X_{1it} \cdot Z$ of 0.038050

This means that if $X_{1it} \cdot Z$ is increased / increased by 1 unit, assuming DER, EPS, CR, $X_{2it} \cdot Z$, $X_{3it} \cdot Z$, $X_{4it} \cdot Z$ are ignored, then the stock return increases by 0.038050 units.

g. $X_{2it} \cdot Z$ Regression Coefficient (β) of 1,428,907

This means that if $X_{2it} \cdot Z$ is increased / increased by 1 unit, assuming DER, EPS, CR, $X_{1it} \cdot Z$, $X_{3it} \cdot Z$, $X_{4it} \cdot Z$ are ignored, then the stock return increases by 1,428,907 units.

- h. $X_{3it} \cdot Z$ Regression Coefficient (β) of 2,680.14

This means that if the ROA is increased / increased by 1 unit, assuming DER, EPS and CR are ignored, then the stock return decreases by 4,537,035 units.

- i. $X_{4it} \cdot Z$ Regression Coefficient (β) of 8,332,537

This means that if the ROA is increased / increased by 1 unit, assuming DER, EPS and CR are ignored, then the stock return decreases by 4,537,035 units.

Partial Hypothesis Testing Results (t-test)

Based on the processed statistical data in table 4.9, it can be seen that the influence between independent variables on dependent variables partially is as follows:

Variabel	Signifikasi
EPS	0.8341
DER	0.6013
ROA	0.7830
CR	0.9529

Source: Eviews 10 Output Result, processed data

1. EPS (Earning Per Share) has no significant effect on Company Value From table 4.11, the results of the analysis show that EPS has a probability value of 0.8341 greater than 0.05 or ($0.8341 > 0.05$). So it can be concluded that the EPS variable does not have a significant effect on the return on Islamic stocks. So H_0 was accepted and H_1 was rejected.
2. DER (Debt Equity Ratio) has no significant effect on Company Value From table 4.11, the results of the analysis show that EPS has a probability value of 0.6013 greater than 0.05 or ($0.6013 > 0.05$). So it can be concluded that the DER variable does not have a significant effect on sharia stock returns. So H_0 was accepted and H_1 was rejected.

3. ROA (Return On Asset) has no significant effect on Company Value From table 4.11, the analysis results show ROA has a probability value of 0.7830 greater than 0.05 or (0.7830 > 0.05). So it can be concluded that the DER variable does not have a significant effect on sharia stock returns. So Ho was accepted and H1 was rejected
4. CR (Liquidity Ratio) has no significant effect on Company Value From table 4.11, the results of the analysis show that CR has a probability value of 0.9529 greater than 0.05 or (0.9529 > 0.05). So it can be concluded that the DER variable does not have a significant effect on sharia stock returns. So Ho was accepted and H1 was rejected.

Hypothetical Test Results Partially Test F (Simultaneous)

F-statistic	0.113325
Prob(F-statistic)	0.977535

Source: Eviews 10 Output Result, processed data

The F test is performed to test whether the model used is significant or not, so that it can be ascertained whether the model can be used to predict the influence of independent variables together on the dependent variables. If the probability (F-statistical) is less than sig (0.05) then the multiple linear regression model can be continued or accepted. Conversely if the probability (F-statistical) is less than sig (0.05) then there is a simultaneous influence of independent variables on the dependent variables.

Based on the processed results of table panel data 4.12 the probability of F-statistics obtained was 0.977 greater than sig (0.05). This means that together they have no simultaneous effect on the variable Y.

F-statistic	1.102.943
Prob(F-statistic)	0.369642

Source: Eviews 10 Output Result, processed data

Based on the processed results of table panel data 4.12 the probability of F-statistics obtained was 0.369 greater than sig (0.05). This means that together they have no simultaneous effect on the variable Y.

Terminated Coifisient Test Results (R2)

R-squared	0.005011
Adjusted R-squared	-0.039210

Source: Eviews 10 Output Result, processed data

Based on table 4.32, it shows that the value of the coefficient of determination produced in the R-squared test is worth 0.005011. The results obtained show that the Independent variable is able to contribute to influencing the Dependent variable by 0.5011% while the remaining 58% is influenced by other variables that are not included in the research model.

R-squared	0.104570
Adjusted R-squared	0.009760

Source: Eviews 10 Output Result, processed data

Based on table 4.33, it shows that the value of the coefficient of determination produced in the R-squared test is worth 0.104570. The results obtained show that the Independent variable is able to contribute to influencing the Dependent variable by 10% while the remaining 90% is influenced by other variables that are not included in the research model.

Discussion of Research Results

The results of the analysis show that EPS, DER, ROA, CR have no effect on sharia stock returns. This is because

1. Although the level of the amount of money (rupiah) generated from each ordinary share outstanding is increasing, it is not necessarily that the stock return

- that will be received by investors will also increase, because there are many other factors that affect stock returns. As we know that stock returns
2. can be influenced by fundamental factors, market factors and macro factors. The results of this study support the previous research, A Haanurat (2013), which found that EPS did not have a significant influence between EPS and Sharia Stock Return.
 3. shows that the size of the company's debt does not have much effect on stock returns. This is because the size of the company's leverage is not only caused by financial performance but also influenced by other factors so that investors do not pay much attention to DER as a decision making in investing.
 4. investors do not fully utilize the information in the company's financial statements in making investment decisions or the ROA published in the company's financial statements is less informative for investors in estimating existing returns, so investors are more likely to use the company's cashflow in making investment decisions. This supports the research of Rio Febrioni (2016), which found that ROA did not have a significant effect on stock returns with a positive influence direction.
 5. The company's low ability to pay current liabilities using its current assets has resulted in investors not paying much attention to the shares in the company. That way, stock demand will also decrease and indirectly the stock price and stock returns will also decrease.

The results of the analysis show that the pandemic does not transfer the variability of EPS, DER, ROA, CR to stock returns, this is because with the pandemic, sharia stock returns seem to have no effect on the pandemic situation, instead they have increased continuously This is because there are several factors that make these investors prefer to invest in shares of Islamic companies, one of which is investors who rarely leave the house due to the Covid-19 pandemic. Thus, the investor chooses to invest his funds. There is a shift in the cost of living from consumptive to investment. It is possible that the funds

invested in companies listed in sharia stocks are used for sharia-compliant economic activities. Then feel that life is getting more and more blessed and calm.

The results of the analysis show that judging from the differences in companies listed in JII, it shows that the company's stock returns with the pandemic make the company have an influence with declining stock returns, but there are several sectors that make the company's stock returns remain stable during the pandemic, namely in the manufacturing, marketing, consumer goods distribution, contractor, mining and energy sectors, industry.

The results of the analysis show that judging from the time difference from 2017 to 2021 shows that the value of stock returns has decreased during the pandemic, it is shown that the pandemic has an effect on stock returns, it is shown that the value of the prob is smaller than 0.05, the model after the pandemic var is getting better, this is shown from the value of R2 before the pandemic of -0.039210 to 0.009760.

CONCLUSION

Based on the analysis and discussion above, the conclusions are as follows: Internal companies listed in JII (Jakarta Islamic Index) do not affect sharia stock returns because investors may pay less attention to the internals of a company but are more likely to use the company's cashflow in making investment decisions, as for the pandemic that does not moderate the variables EPS, DER, ROA, CR The company is due to the fact that during the pandemic investors choose to invest their funds. There is a shift in the cost of living from consumptive to investment.

Suggestions for investor It should pay more attention to the company's ratio, namely on EPS, DER, ROA, CR to be able to invest in the company so that investors can get high stock returns as well; During the pandemic, investors can invest in companies listed in Sharia stocks because the money invested is used for sharia-compliant economic activities. For the next researcher It's a good idea to add other variables that were not used in this study; We recommend that subsequent researchers do not use existing variables and use other variables to calculate the value of these influences.

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