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Table of Contents

Preface/Foreword xix
Editorial board xxi
Scientific committee xxiii
Organizing committee xxv
Acknowledgements xxvii

Section 1: Marketing management
The origins and consequences of trust in online shopping 3
T. Handriana & D. Herawan
How digital certificate affects e-commerce consumers trust and purchase intention 8
P.K. Sari & A. Prasetio
Encouraging pro-environmental behavior through consumer innovativeness 13
R. Kuswati, B.M. Purwanto & B. Sutikno
Entrepreneurial marketing and marketing performance: The moderating role of market-sensing capability 20
D.A.A. Mubarok, R. Hurriyati, D. Disman & L.A. Wibowo
The role of brand equity in making decisions to choose higher education for new middle-class students 25
A.M. Ramdan, A. Rahayu, R. Hurriyati & M.A. Sultan
Dynamic marketing capabilities and company performance: Marketing regression analysis on SMEs in Indonesian 28
A. Riswanto, R. Hurriyati, L.A. Wibowo & H. Hendrayati
Is e-service quality required to develop customer satisfaction? A case study of Grab Indonesia 32
C.T. Sudrajat & M.A. Sultan
The influence of brand personality dimension on brand equity 35
P.D. Dirgantari, M. Permatasari, L.A. Wibowo & H. Mulyadi
Consumer’s purchase intention on halal detergent in Jakarta 39
E. Saribanon, R. Hurriyati, A. Rahayu & M.A. Sultan
The usage of digital marketing channels in micro, small and medium enterprises in Bandung District, Indonesia 44
M.E. Saputri & N. Kurniasih
Experiential marketing: A review of its relation to customer satisfaction in online transportation (a study of GO-JEK company) 47
M.E. Saputri & N. Kurniasih
Industry growth, ownership structure, and capital structure in Indonesia
I. Harymawan, A. Arianto & Y.I. Paramitasari

Investment experience to expected return: Consequences of risk behavior
F. Ismiyanti & P.A. Mahadwartha

Analysis of return on equity, current ratio and debt to equity ratio on Islamic stock price
Jakarta Islamic Index
M. Masrizal, T. Widiastuti, I. Mawardi & W. Wisudanto

The relationship between financial accountability in a good corporate governance concept with organizational performance
D.N. Fakhriani

The relationship of the income tax system to self-assessment in the Badung Bali district
N.L.P. Suastini, G. Wirata & I.W. Astawa

Greed, parental influence and teenagers’ financial behavior
L. Wenatri, S. Surya & M. Maruf

Executive compensation and risk: An empirical study in Indonesia
A.R. Setiawan & B. Zunairoh

Influence of microcredit and business management training to micro and small business performance in West Java, Indonesia
F. D. Trisnasih, L. Layyinaturrobiani & A. M. Siregar

Profitability, dividend policy and stock price volatility: Indonesia stock exchange
I. Setyawati, D.P. Alamsyah & K. Khotimah

Why did Baitul Maal wa Tamwil (BMT) discontinue the linkage program with Islamic banks? A case study in Indonesia
M.N.H. Ryandono & D.A. Mi’raj

Information asymmetry in capital market: What, why and how
P.T. Komalasari & M. Nasih

Effect of the return on investment towards fixed assets investment at Rapih Metalindo Corporation
N.H. Yuris, F.M. Kurnia & T. Yuniarisih

Understanding taxpayers’ attitudes towards tax amnesty policy
I.F.A. Prawira

Family ownership and control in dividend and leverage decision making
M.G.A. Aryani, S.M. Soeharto & I. Ariyani

Effect of profitability, investment opportunity set, free cash flow and collateralizable assets to dividend
A. Juliarti & S. Sumani

Tax expense and bonus mechanism on transfer pricing
G.S. Manda, H.M. Zakaria & A. Rakhman

Forecasting volatility stock price using the ARCH/GARCH method: Evidence from the Indonesia stock exchanges
L.P. Anggita, N. Nugraha & I. Waspada

Peer group model as a reference for bank performance assessment
S. Sugianto & S. Karnadi
Analysis of return on equity, current ratio and debt to equity ratio on Islamic stock price Jakarta Islamic Index

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ABSTRACT: Before deciding to invest in certain stocks, investors are faced with a desire to get maximum return. One of the basic indicators for the assessment is financial performance. This study aimed to analyze of return on equity, current ratio and debt to equity ratio on Islamic stock prices listed in Jakarta Islamic Index (JII). The research used quantitative approach with regression analysis using panel data in EViews. As for sampling, purposive sampling method produced sample of 8 companies listed as consistent issuers recorded in JII from 2009 to 2017. The empirical results showed that independent variables of return on equity, current ratio and debt equity ratio simultaneously had a significant influence on stock prices. Partially, ROE and DER were the only variables that had a significant effect on stock prices, while current ratio had no significant influence on stock prices. The results of this study served as a basis for decision making for investors.

1 INTRODUCTION

The stock market is an important channel for the corporate sector to raise capital needed for investment and business activities (Shin & Thaker 2017). Stock markets perform a key function in providing the necessary critical links between companies that need funds to start new businesses or to expand their current operations and investors who have surplus funds to invest in such companies (Avdalovic & Milenkovic 2017).

The stock price index is an indicator showing the movement of stock prices. Stock index serves as an indicator of market trends. In other word, the movement of the index describes market conditions at a time, whether the market is active on trading or vice versa. One of the most attractive sectors to invest in Indonesia's capital market is the shares that belong to the Jakarta Islamic index (JII) group. This can be seen from the capitalization of Jakarta Islamic Index, which has an increasing trend for the last 6 years.

The companies listed in the JII conduct their business activities in compliance with Islamic principles. The Jakarta Islamic Index is an index of 30 stocks of companies that put in their investments in Islamic way. JII is a sharia-based index (Hadi 2015).

A study conducted by Wardhana et al. (2011) discovered that although the sharia capital market is affected by changes in market prices during financial crises in the United States, impacts are more severe in conventional capital markets. The sharia capital market has proved to have a better ability to adapt to external changes and disruptions. Thus, it can be concluded that the sharia capital market has more resistance to crises than conventional capital markets.

Before deciding to invest in certain stocks, investors have a desire to get maximum returns. In addition, investors are exposed to the risks associated with the investments. The most common way to assess stock prices is through a fundamental analysis of the company.

According to Darmadjji and Fakhruddin (2012), fundamental analysis is a way to conduct stock valuation by studying or observing various indicators related to macroeconomic and industry conditions of a company as well as various financial indicators and understanding the company management.

To assess company performance and evaluate its value, some commonly used indicators, including profit margins and other financial data, are used. A prospective investor assesses company performance gradually. One of the basic indicators for assessment is net income/profit. The higher the net profit, the higher the stock price in the market, which leads to increased demand (Utari et al. 2014). Profitability is the ability of management to earn a profit. One of the profitability analyses is return on equity ratio (ROE).

Liquidity is the ability of the company to meet all of its obligations according to their maturity. Liquidity is realized if the level of current assets is greater than the current debt or liability. One of the liquidity ratios is the current ratio (CR), defined as the ratio that compares the current assets of the company with short-term debt (Sutrisno 2017).

Leverage is the company's ability to use debt to finance investment. The ideal ratio of total debt to asset is 40%. However, in good economic conditions, leverage can be high, as the business is expected to generate higher operating profit (Utari et al. 2014). The level of corporate risk is reflected in the ratio of debt to equity (DER). This shows the...
ability owned by the company to pay off its obligations.

Based on previous research and the phenomenon described earlier, the authors conducted research to analyze the influence of Return on Equity (ROE), Current Ratio (CR) and Debt to Equity Ratio (DER) on share prices in the Jakarta Islamic Index (JII) between 2009 and 2016.

1.1 Return on equity

Return on Equity (ROE) is the indicator used to assess the effectiveness of investments by capital owners and to consider whether to maintain the investment in a competitive system. A high rate of return on capital incites investment and facilitates reinvestment of profits as a source of future growth of the company, to the detriment of its immediate distribution as dividends. Return on equity expresses the ability to create added value, after remuneration of borrowed capital, which will allow shareholders equity compensation and self-financing of the company (Vasiu 2016).

ROE is the ratio between profit after tax and equity. This is a measurement of the income available to the owner of the company for the capital invested in the company (Widayanti et al. 2009). Theratio gives a clue of the company’s ability to generate profits with its owned capital. This ratio shows the efficiency of capital utilization. Higher ROE indicates better company’s performance. The shareholders received higher return and vice versa (Kasmir 2015). In other words, higher ROE indicates higher profits gained by the shareholders. The investor will favor this performance so that the stock price will rise (Takarini & Hendrari 2011). Studies conducted by Shin and Thaker (2017) and Al- Omosh and Al- Shubiri (2013) stated that return on equity (ROE) provides a significant positive relationship to stock prices, supporting this statement.

1.2 Current ratio

The current ratio shows company liquidity as measured by comparing current assets to current debt (Keown et al. 2011). A high current ratio (CR) increase investors’ confidence to invest their capital to the company. According to Surtrisno (2017), current ratio is a financial ratio that compares current assets owned by a company with short-term debt. Current assets include cash, trade receivables, securities and inventories. While short-term debt includes trade payables, notes payable, bank loans, payables and other debts that must be paid immediately. Thus, it can be said that a high current ratio indicates that a company is able to fulfill its obligations or short-term debt by using current assets. In addition, high current ratio increases the confidence of shareholders to the company for paying its obligations.

This statement is supported by research conducted by Kohansal et al. (2013) and Banchuenvijit (2016), which states that current ratio has a significant influence on stock prices.

1.3 Debt to equity ratio

Debt to Equity Ratio (DER) is one leverage ratio or solvency. Solvency ratio is the ratio to determine the company’s ability to pay obligations if the company is liquidated.

According to Kasmir (2015), debt to equity ratio is a ratio that is used to assess debt with equity. Investors want to invest in companies with a debt equity ratio that does not exceed the debt limit and is no more than the company’s capital. Debt ratio reflects the level of a company’s risk, investors are not only in favor of profit, but also concerned with the level of risk exposed to the company. Investors should avoid investing in companies with high debt-to-equity ratios as they reflect a higher level of risk. This statement is supported by research conducted by Suparningsih (2017), Nordiana and Budiyanto (2017), Rahmawati and Suryono (2017), and Vedd and Yassinski (2015), which stated that the debt equity ratio (DER) has a significant effect on stock prices.

2 METHOD

This study is a quantitative research and conducted by collecting data in the form of price data obtained from Bursa Efek Indonesia (Indonesia Stock Exchange) and financial reports obtained from the official company website. The sampling technique used for the study was purposive sampling technique, which could be understood as sample determination technique with certain consideration (Sugiyono 2015). The result of sampling produced eight companies that were consistently recorded in the Jakarta Islamic index: Astra Agro Lestari Tbk, Astra Internasional Tbk, Indocement Tunggal Perkasa Tbk, Kalbe Farma Tbk, LondonSumatra Indonesia Tbk, Semen Indonesia Tbk, Telkomunikasi Indonesia Tbk and Unilever Indonesia Tbk. Regression analysis of panel data was used for the data analyses. Such data could be obtained by observing a series of cross-section observations over a given period (Arifianto 2012). According to Manurung et al. (2010), a regression model of panel data can be done using three approaches: Common Effect or Pooled Least Square (PLS) method, Fixed Effect Model (FEM) method and Random Effect Model (REM) Method. The analysis was conducted using EViews 9 computer software.

3 RESULT AND DISCUSSION

Table 1 shows the multiple regression results using panel data.
Based on the data in Table 2, the regression equation can be described as follows:

\[ Y \frac{1}{1} \begin{align*} & 2917.137 \beta 188.4983X_1 \\ & 2.462611X_2 \beta 117.6446X_3 \\
\end{align*} \]

where \( Y \) = share price; \( C \) = constanta; \( X_1 \) = return on equity; \( X_2 \) = current ratio; and \( X_3 \) = debt to equity ratio.

The result of this equation gives the value of -2917.137 as a constanta value (a) indicating the absence of return on equity, the current ratio and debt to equity ratio, offer the value of stock price is -2917.137. Moreover, the value of regression coefficient of return on equity equals to 188.4983 explains, every one-unit increase for return on equity will rise the stock price to 188.4983. Furthermore, the value of 2.46261 is a regression coefficient that explains every one-unit increase for current ratio will be a rise in stock price to 2.46261. Additionally, 117.6446 is a regression coefficient that explains every one-unit increase for debt to equity ratio will result the increase of value of stock price to 117.6446.

### 3.1 Discussion

Based on data processing that has been done showed, return on equity have significantly affected stock price. Profitability ratio measures the ability of a company to earn profits for its shareholders. Higher ROE indicates higher profits gained by the shareholders. The investor will favor this perform- ance so that the stock price will rise (Takarini & Hendrarini 2011). The results are in line with studies conducted by Shin and Thaker (2017) and Al-

Omoush & Al-Shubiri (2013) which stated that ROE provides a significant positive relationship to stock prices. However, the findings also show that current ratio has no significant effect on stock price. This contradicts the research findings from Kohansalet al. (2013) and Banchuenvijit (2016), which state that current ratio has a significant effect on stock prices.

Furthermore, the results showed that debt to equity ratio has significant effect on stock price. This can be interpreted in this way; the use of company’s debt will increase the company’s revenue. The company uses its leverage to finance its operating costs, with the aim that the profits earned by the company will be greater than the cost of assets and sources of funds, thereby increasing the profitability of shareholders. These findings are in line with results of studies conducted by Suparningsih (2017), Vedd and Yassinski (2015), and Avdalovic and Milenkovic (2017), which state the debt equity ratio (DER) has a significant effect on stock prices.

The capital structure determines the earnings per share and the results of company owned capital. In good business conditions, using high leverage will accelerate the development of the company, for the reason that in general the operating profit is greater than the interest expense. Higher leverage contributes higher return on equity in good economic conditions (Utari et al. 2014). According to an OECD survey (OECD 2015), Indonesia’s economic conditions show remarkable performance for a decade after the Asian crisis. Such performance is impressively generated from policy reforms implemented especially in terms of building robust macroeconomics frameworks.

This is also supported by the credit rating agency Standard & Poor’s (S&P) that raised Indonesia’s debt rating to a viable investment. The improved rating...
indicates Indonesia has the ability to be more resilient to external shocks as geopolitics issues. A number of macroeconomic policies issued are considered capable of maintaining economic stability. The inflation rate is under control, the rupiah exchange rate is relatively stable and the government is considered successful enough to maintain the supply of food.

4 CONCLUSION

The findings show that independent variables of return on equity, current ratio and debt equity ratio simultaneously have a significant influence on stock prices. Partially, ROE and DER are the only variables that have a significant effect on stock prices, while current ratio has no significant influence on stock prices. Our recommendation is that investors should invest on shares that have high ROE and DER due to their significant effects on the return of index. Further research should look for other fundemental factors that play important roles in determining the stock price.

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REFERENCES


