MANAGERIAL OWNERSHIP AS MODERATING VARIABLES IN EFFECT OF PROFITABILITY ON FIRM VALUE

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ABSTRACT

This study was to examine how the effects of Return on Assets (ROA) on The Firm Value (PBV) with Managerial Ownership (MO) as a moderating variable. The sampling used in this study are firm belonging to the Jakarta Islamic Index (JII) with criteria are: (1) The Company is consistently included in the JII for the period 2016-2017 during the estimated period and window period. (2) Available financial reports published on www.idx.co.id. Based on these criteria, 60 companies are listed in the Jakarta Islamic Index (JII). The results of this study variable Return on Assets (ROA) significant positive effect on the Firm Value (PBV). Variable Managerial Ownership (MO) significantly strengthen the positive relationship between Return on Assets (ROA) with Firm Value (PBV).

Keyword: return on assets, managerial ownership, firm's value.

INTRODUCTION

One way to measure firm value is by the Price to book Value (PBV) ratio. Price to Book Value is a comparison obtained between the stock price and the book value of the firm's shares. By using the Price to Book Value (PBV) ratio, potential investors can find out the firm whose stock value is undervalued or overvalued. According to Permata, et al. (2003), the value of shares is said to be undervalued when the Price to Book Value is below 1, which means that the firm's shares are valued lower than the book value and overvalued when the Price to Book Value is above 1 which means stock the firm is rated higher than the value of the book. Euis and Taswan (2002) state that the higher the stock price means the higher the value of the firm. Nurlela and Ishaluddin (2008) in Kusumadilaga (2010) state that company value is the price that prospective buyers are willing to pay if the firm is sold.
Profitability measures a company's ability to earn profits in relation to sales, total assets and own capital (Sartono, 2001; Mai, 2006). Companies with high profits tend to use more loans to obtain benefits in the tax aspect. This is because the reduction in profit by loan interest will be smaller than if the firm uses capital that is not subject to interest, but taxable income will be higher (Mai, 2006). Profitability in relation to investment connects profit with investment. One measurement is the rate of return on investment (return on investment-ROI), or the rate of return on assets (return on asset-ROA).

Managerial ownership is the amount of share ownership by management based on the entire share capital of the managed firm (Agnes, 2103). Share ownership by management is one of the actions that can be taken to overcome agency conflicts between various existing interest groups. Jensen & Meckling (1976) states that firm that have high managerial ownership will reduce agency costs.

Some of the previous studies gave contradictory results so as to make a study of the factors that influence firm value, especially important profitability is done again. Ganerse and Suarjaya (2014); Safitri, Sinarwati and Atmadja (2016) and Ananda and Nur (2016) and Raymond (2016) in their research concluded that profitability (ROA) has a positive and significant effect on firm value (PBV). But the results of research by Shelly and Munzir (2015); Analysis (2011); Juhandi, et al. (2013) and Sudiyanto, et al. (2012); and Herawati (2012), and Susilowati (2011) conclude which contradicts the results, namely that profitability (ROA) does not affect firm value (PBV). According to Anthony and Govindarajan (2007) to address the results of different and conflicting studies there is a need for a contingency approach that reveals that the relationships between various variables studied are influenced by other variables that are conditional. This contingency approach enables one of them to act as moderating. From the inconsistency of the results of previous studies, it turns out that managerial ownership needs to be resolved which is thought to be able to strengthen or weaken the relationship (moderation) between profitability (ROA) and firm value (PBV).

This study was conducted to see Managerial Ownership (MO) as moderating variables in effect of Return on Assets (ROA) on Firm Value (PBV). The managerial ownership was expected to be able to affect the potential occurrence of Return on Assets (ROA), and therefore could also affect the Firm Value (PBV).
THEORETICAL FRAMEWORK AND HYPOTHESIS

Profitability
Weston and Copeland (2008) state the probability of the extent to which a company generates profits from sales and investment of the firm. If the profitability of the firm is good, the stakeholders consisting of creditors, suppliers and investors will see the extent to which the company can generate profits from sales and investment of the company. With good company performance will also increase the value of the company (Suharli, 2006). Profitability in relation to investment connects profit with investment. One measurement is the return on investment (ROI), or the rate of return on assets (return on asset-ROA).

Managerial Ownership (MO)
Managerial ownership is the amount of share ownership by management based on the entire share capital of the managed firm (Agnes, 2103). Managerial ownership in this study was measured by managerial ownership (MOWN) (Pratama & Wirawati, 2016). Share ownership by management is one of the actions that can be taken to overcome agency conflicts between various existing interest groups. Jensen & Meckling (1976) states that companies that have high managerial ownership will reduce agency costs.

Firm Value (PBV)
Firm value is an investor's perception of the level of success of the firm that is closely related to its stock price (Sujoko and Soebiantoro, 2007). The firm value is reflected in the bargaining power of shares. If the firm is estimated as a firm that has prospects in the future, the stock price will be higher, conversely if the firms is considered to have less prospects then the stock price will be low (Sunariyah, 2003 and Suksmana, 2015). The higher the share price of a firm, the higher the prosperity of shareholders. Increasing the firms stock price means increasing the value of the firm itself, which indicates that shareholders' prosperity is also increasing (Mahendra, 2012).

The Effect of Return on Assets (ROA) on Managerial Ownership (MO)
Dewi & Wirajaya (2013), profitability is the ability of a firm to generate profits for a certain period. Profitability will increase the value of the firm reflected through the increase in stock prices in the market. The higher the level of profitability of a firm shows the better performance of the firm and provides a
signal for the firm growth prospects in the future. This of course will attract investors to invest by owning or buying the firm. More and more investors who are interested in buying firm shares will have a positive impact on increasing stock prices in the market and will ultimately increase the value of the firm. So, the greater the profitability of a company, the greater the value of the firm. From the results of research conducted by Sujoko & Soebiantoro, (2007); Ju Chen & Yu Chen (2011); Dewi & Wirajaya (2013); Pratama & Wirawati (2016); Lubis, Sinaga, & Sasongko (2017); and Nandita & Kusumawati (2018) explain that profitability affects the value of the firm.

Based on the foregoing, the researcher formulated hypothesis as follows:

$H_1$: Return on Assets (ROA) gave significant positive effect on Firm Value (PBV)

The Effect of Managerial Ownership (MO) on Return on Assets (ROA) and Firm Value (Per Book Value / PBV)

Rahayu & Andri (2010), ownership structure is believed to influence the course of the firm in achieving the goals of a firm, namely achieving maximum profit, prospering shareholders and maximizing the value of the firm. The higher managerial ownership in the firm is expected to increase the value of the firm where management will make every effort to the interests of the shareholders. This is true because the management as shareholders will also get a big return if the firm also gets a bigger profit. When a firm earns a large profit it will give a positive signal to investors and investors will be interested in owning a company that will also affect stock prices on the market. From the results of Anindyati (2011) ’s research which was also supported by Putra and Wirawati (2013) research, it was explained that financial performance proxyed ROA had an effect on firm value (PBV) with managerial ownership as a moderating variable.

Based on the foregoing, the researcher formulated hypothesis as follows:

$H_2$: Managerial Ownership (MO) on Return on Assets (ROA) and Firm Value (PBV) strengthened the relationship between Return on Assets and Firms Value

Conceptual Framework

Picture 1

Managerial Ownership (MO)
RESEARCH METHOD

The sampling used in this study are firm belonging to the Jakarta Islamic Index (JII) with criteria are: (1) The firm is consistently included in the JII for the period 2016-2017 during the estimated period and window period. (2) Available financial reports published on www.idx.co.id. Based on these criteria, 60 firm are listed in the Jakarta Islamic Index (JII).

Operational Variables

Return on Assets (ROA)

Return on Assets (ROA) shows the firm ability to generate profits by utilizing the total assets it has (Brigham and Houston, 2001).

\[
ROA = \frac{\text{Net Profit}}{\text{Total Assets}} \times 100\%
\]

Firms Value

Prices that prospective buyers are willing to pay if the firm is sold (Baert and Vennet (2009))

\[
PBV = \frac{\text{price}}{BV}
\]

Managerial Ownership (MO)

The number of share ownership by management is based on the entire share capital of the firm managed.

\[
MO = \frac{\text{Total shares of managers and directors}}{\text{Total outstanding shares}}
\]

RESULTS AND DISCUSSION

Descriptive statistics
Based on descriptive statistic such as the numbers of sample, average sample (Mean), and standard deviation for each variable, as follows:

<table>
<thead>
<tr>
<th>Table 1 Descriptive Statistic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mean</strong></td>
</tr>
<tr>
<td>PBV</td>
</tr>
<tr>
<td>ROA</td>
</tr>
</tbody>
</table>

Source: Secondary data which is processed

The table above, which summarises the results from descriptive statistic data, 8.3690 the average of Firm Value (PBV) and 0.3560 the Return on Assets (ROA).

**Normality Test**

The normality test in this study used histogram graphical analysis and Normal Probability Plot. Both are distributed normal.

**Test Autocorrelation**

The result of the test found that DW 3.083. The score of DW was bigger than the upper limitation 2.890. It shows there is no autocorrelation on model.
Model Durbin-Watson
1 3.083

Source: Secondary data which is processed

Coefficient of Determination

Table 3 Test Result R² dan Adjusted R²

<table>
<thead>
<tr>
<th>Model</th>
<th>R</th>
<th>R Square</th>
<th>Adjusted R</th>
<th>Std. Error of the Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>.357&lt;sup&gt;a&lt;/sup&gt;</td>
<td>.187</td>
<td>.174</td>
<td>9.06068</td>
</tr>
</tbody>
</table>

Source: Secondary data which is processed

The result of test was 0.187. It means that independent variables such as ROA, ROA*PBV, ROA*MO were able to explain 18.7 % variation from dependent variable of PBV, meanwhile the rest 81.3 % can be explained by the other factor which not include on model.

Multikolinearitas Test

Multicolinearity test can be seen on the table below:

Table 4 The Result of Multikolinearitas Test

<table>
<thead>
<tr>
<th>Model</th>
<th>Collinearity Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tolerance</td>
</tr>
<tr>
<td>(Constant)</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>ROA</td>
</tr>
<tr>
<td></td>
<td>MODERAT</td>
</tr>
</tbody>
</table>

Source: Secondary data which is processed

Hypothesis Test Results and Discussion

Table 5 Coefficients Test Results

<table>
<thead>
<tr>
<th>Model</th>
<th>Unstandardized Coefficients</th>
<th>Standardized Coefficients</th>
<th>t</th>
<th>Sig.</th>
<th>Collinearity Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
Hypothesis 1 Test: The Effect of Return on Assets (ROA) on Firm Value (PBV).

This study hypothesized Return on Assets (ROA) gave significant positive effect on Firm Value (PBV). Based on the multiple linear regression test, it indicated $\alpha = 0.05$ return on assets (ROA) with firm value (PBV) significance level of 0.000. Return on Assets (ROA) gave significant positive effect on Firm Value (PBV) by $t = 4.474$. This study indicated that Return on Assets (ROA) could affect Firm Value (PBV), because good firm would try to added Return on Assets (ROA). The results of the study support the research conducted by Sujoko & Soebiantoro, (2007); Ju Chen & Yu Chen (2011); Dewi & Wirajaya (2013); Pratama & Wirawati (2016); Lubis, Sinaga, & Sasongko (2017); and Nandita & Kusumawati (2018) who explained that Return on Assets (ROA) has an effect on firm value (PBV).

Hypothesis 2 Test: The Effect of Managerial Ownership (MO) on the Relationship Between Return on Assets (ROA) and Firm Value (PBV).

The second hypothesis stated that Managerial Ownership (MO) gave significant positive effect on the relationship between Return on Assets (ROA) and Firm Value (PBV). The above table, Managerial Ownership (MO) had coefficient value of 5.753 with significance level of 0.000 less than 0.05. This study indicated that Managerial Ownership (MO) could moderate Return on Assets (ROA) and Firm Value (PBV). This study supports Anindyati (2011) and Putra and Wirawati (2013) that financial performance diproxy ROA has an effect on firm value (PBV) with Managerial Ownership (MO) as a moderating variable.

CONCLUSION AND SUGGESTION

1. Return on Assets (ROA) variables gave significant positive effect on Firm Value (PBV).
2. Managerial Ownership (MO) variables gave significant positive effect, strengthening the relationship between Return on Assets (ROA) and Firm Value (PBV).
Suggestion

1. The addition of other variables that have not been included.
2. The need for the addition of sample or sample usage apart from manufacturing companies, and adding longer time span.

REFERENCES


