EFFECT OF PBV, QR, NPM, DER, CR, TATTOO ON STOCK PRICES IN PROPERTY & REAL ESTATE COMPANIES

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Vol.16 No.1 | March, 2022

Abstract
This study aims to determine the effect of price book value, quick ratio, net profit ratio, debt to equity ratio, current ratio, and total asset turnover on stock prices. This research was conducted on service companies in the real estate sub-industry from 2018 to 2020. The object of research is 65 (sixty five) companies listed on the Indonesia Stock Exchange. The sampling technique used in this study was purposive sampling, and a total sample of 45 (forty five) companies was obtained. The data used is the financial statements of each sample company published on the website www.idx.co.id. The research method used is quantitative analysis method because the data are in the form of numerical data and empirical data. While the selected variables are in the form of units that can be calculated and measured. The results showed that partially the price book value, quick ratio, net profit margin, debt to equity ratio, current ratio, and total asset turnover had no significant effect on stock prices.

Keywords: Price Book Value, Quick Ratio, Net Profit Margin, Debt To Equity Ratio, Current Ratio, Total Asset Turnover

http://publikasi.lldikti10.id/index.php/jit
DOI: https://doi.org/10.22216/jit.v15i4

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INTRODUCTION

Stock price is one indicator to measure the success of a company's operations. If the stock price of a company has risen, then investors or potential investors will assess whether the company's operations and management are successful. The development of your share price in the capital market is an important indicator for studying market behavior, namely investors. Investors will make investment decisions based on the information they have, including the company's financial information. The financial information used to analyze the stock price includes book value, quick ratio, net profit ratio, debt to equity ratio, current ratio, and total asset turnover.

The trust of investors or potential investors is very beneficial for the issuer, because the more people who trust the issuer, the stronger the desire to invest in the issuer. The more demand for the issuer's shares, the higher the share price. If the stock price can be maintained high, then investors or potential investors will have higher confidence in the issuer, which can increase the issuer's value. On the other hand, if the stock price continues to fall, it means that the value of the issuer in the eyes of investors or potential investors can decrease.

The capital market refers to activities related to the issuance and trading of public securities, public companies related to issued securities, and securities-related institutions and work. The capital market includes the primary/primary market and the secondary market (Law No. 21 of 2011 concerning OJK). The primary market is the market for newly issued securities. The secondary market is a market that trades securities (old securities) that are already on the stock exchange and serve as a means for investors to buy and sell securities.

However, in 2020, Indonesia was hit by Corona Virus Disease or better known as Covid-19, which was officially declared a pandemic by the World Health Organization (WHO) on March 11, 2020, referring to more than 118u thousand cases of infection in more than 110u countries and regions around the world with risk of wider global spread. However, with this phenomenon, investor confidence in real estate stocks continues increase. One of the catalysts was the policy of Bank Indonesia (BI) to lower the benchmark interest rate by 25 basis points (bps) to 3.75% at the BI Council (RDG) from 18-19 November 2020. Investors on the Indonesia Stock Exchange (IDX) caught the bank's signal. The lake center immediately reacted. Several real estate stocks are being hunted. Several stocks, including PT Agung Podomoro Land Tbk (APLN), Bumi Serpong Damai Tbk (BSDE), PT Summarecon Agung Tbk (SMRA) and PT Alam Sutrau Realty (ASRI) rose sharply.

Capital market analysis Fendi Susiyanto assessed that the increase in real estate shares was driven more by low interest rate sentiment and technical factors. The reason is, due to the COVID-19 pandemic which has been ongoing since March last year, the performance of real estate companies has basically not recovered. "The rise in property and real estate stocks is still driven by technical factors. Some stocks such as APLN are still quite cheap, and the prospects are still good. That's why their shares rose sharply last week," said Fendi, founder of Finvesol Consulting, Monday (23/11).

In the past week, APLN's share price jumped from Rp 120 per share (16/11) to
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JURNAL IPTEKS TERAPAN
Research of Applied Science and Education V16. II (63 -74)

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<table>
<thead>
<tr>
<th>No.</th>
<th>Information</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Property &amp; Real Estate Sub-Sector Companies listed on the Indonesia Stock Exchange for the period 2018-2020</td>
<td>(65)</td>
</tr>
<tr>
<td>2.</td>
<td>Property &amp; Real Estate Sub-Sector Companies whose financial statements are not listed on the Indonesia Stock Exchange for the period 2018-2020</td>
<td>(21)</td>
</tr>
<tr>
<td>3.</td>
<td>Property &amp; Real Estate Sub-Sector Companies that suffered losses on the Indonesia Stock Exchange for the 2018-2020 period</td>
<td>(29)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Period</th>
<th>Number of Research Samples</th>
<th>Total Research Sample (15 companies x 3 years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>15</td>
<td>45</td>
</tr>
</tbody>
</table>

Table 1. Sample Selection Table

The data collection method in this study was carried out with a documentation study which is a data collection technique by recording, collecting, and studying company data related to the problem being studied regarding PBV, QR, NPM, DER, CR, and TATO each sample taken from Property & Real Estate Sub-Sector company financial reports published on the Indonesia Stock Exchange for the period 2018-2020.

This type of research is a quantitative research. Quantitative data is data that is presented in the form of absolute numbers or numbers that can be collected and read relatively easily. The research data used is secondary data. Secondary data is data that is already available from existing sources. Secondary data in this study includes company profiles, organizational structure and data obtained from the results of book processing, theories and data related to the problem under study. Secondary data is obtained from the website www.idx.co.id in the form of sample company financial statements. published on the site.

Multicollinearity test is a perfect linear relationship between some or all of the independent variables. Multicollinearity test is used to determine the correlation between independent variables in the regression model. The method used to detect the presence of multicollinearity is by observing the value of Variance Inflation Factor (VIF) and tolerance. The tolerance value u 0.10 or equal to VIF value u 10 is the cut off value indicating the occurrence of multicollinearity. A high VIF value means the same as a low tolerance value (because VIF = 1/tolerance).

RESULTS AND DISCUSSION

The sample (N) used in this study is the financial statements of the property and real estate sub-sector manufacturing companies listed on the Indonesia Stock Exchange in 2018-2020. The sample obtained is 45 samples. The calculation results are presented in the following table:

<table>
<thead>
<tr>
<th>N</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Mean</th>
<th>Std. Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBV</td>
<td>45</td>
<td>.01</td>
<td>12586.98</td>
<td>678.0963</td>
</tr>
<tr>
<td>QR</td>
<td>45</td>
<td>-.79</td>
<td>1126.68</td>
<td>26.4311</td>
</tr>
<tr>
<td>NPM</td>
<td>45</td>
<td>.00</td>
<td>65.93</td>
<td>3.0243</td>
</tr>
<tr>
<td>DER</td>
<td>45</td>
<td>.00</td>
<td>3.09</td>
<td>.6908</td>
</tr>
</tbody>
</table>
Table 2. Descriptive Statistics

Table 2 shows the minimum, maximum, mean, and standard deviation of the variables PBV, QR, NPM, DER, CR, and TATO on stock prices as follows:

1. The PBV variable has a sample of 45, with a minimum value of 0.01, namely PT. Pakuwon Jati Tbk in 2019 and a maximum value of 12586.98, namely PT. Puradelta Lestari Tbk in 2018. The mean value is 678,0963 and the standard deviation is 2331,88523.

2. The QR variable has a sample of 45, with a minimum value of -0.79, namely PT. Ciputrau Development Tbk in 2018 and a maximum value of 1126.68, namely PT. Jayau Real Property Tbk in 2018. And the mean value is 26.4311 and the standard deviation is 167.75002.

3. The NPM variable has a sample of 45, with a minimum value of 0.00, namely PT. Pikko Land Development Tbk in 2018 and a maximum value of 65.93, namely PT. Metropolitan Landu Tbk in 2019. And the mean value is 3,0243 and the standard deviation is 10,27407.

4. The DERu variable has a sample of 45, with a minimum value of 0.00, namely PT. Metropolitan Land Tbk in 2020 and a maximum value of 3.09, namely PT. PP Properti Tbk in 2020. And the mean value is 0.6908 and the standard deviation is 0.62996.

5. The CR variable has a sample of 45, with a minimum value of 0.03, namely PT. Suryamas Dutamakmur Tbk in 2020 and a maximum value of 109.64, namely PT. Pakuwon Jati Tbk in 2020. And the mean value is 6,3168 and the standard deviation is 18,34461.

6. The TATO variable has a sample of 45, with a minimum value of 0.00, namely PT. Metropolitan Land Tbk in 2019 and a maximum value of 54.21, namely PT. Suryamas Dutamakmur Tbk in 2020. The mean value is 1.3954 and the standard deviation is 8.06136.

![Histogram Normality Test](image1)

![Normal P-P Plot of Regression Standardized Residual](image2)
In the picture above, it can be seen that the scattered points follow the direction of the diagonal line, so it can be concluded that the data above is normally distributed. In addition, to test whether the data is normally distributed, the Kolmogorov Smirnov non-parametric test can be used, where if the significant value is > 0.05, it is declared normally distributed and if the significant value is < 0.05, it can be stated as not normally distributed.

In the table above, it can be seen that the tolerance value with the variables PBV, QR, NPM, DER, CR, TATO u 10 so that it can be concluded that there is no multicollinearity.

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Multicollinearity test is a perfect linear relationship between some or all of the independent variables. Multicollinearity test was used to determine the correlation between independent variables in the regression model. The method used to detect multicollinearity is by observing the Variance Inflation Factor (VIF) and tolerance values. The tolerance value 0.10 or equal to the VIF value u 10 is the cut off value indicating the occurrence of multicollinearity. A high VIF value means the same as a low tolerance value (because VIF = 1/tolerance).

Table 3. One-Sample Kolmogorov-Smirnov Test

The table above shows the test results for the variables PBV (X1), QR (X2), NPM (X3), DER (X4), CR (X5), TATO (X6), the stock price (Y) is normally distributed because the significant value is 0.448> 0.05.

Multicollinearity test is a perfect linear relationship between some or all of the independent variables. Multicollinearity test was used to determine the correlation between independent variables in the regression model. The method used to detect multicollinearity is by observing the Variance Inflation Factor (VIF) and tolerance values. The tolerance value 0.10 or equal to the VIF value u 10 is the cut off value indicating the occurrence of multicollinearity. A high VIF value means the same as a low tolerance value (because VIF = 1/tolerance).

Table 4. Multicollinearity Test

In the table above, it can be seen that the tolerance value with the variables PBV, QR, NPM, DER, CR, TATO u 10 so that it can be concluded that there is no multicollinearity.

In the table above, it can be seen that the tolerance value with the variables PBV, QR, NPM, DER, CR, TATO u 10 so that it can be concluded that there is no multicollinearity.

Figure 3. Heteroscedasticity Test

It can be seen that the dots do not form a certain pattern and do not gather together, so it can be concluded that there is no heteroscedasticity in the regression model.
Table 5. Correlations

<table>
<thead>
<tr>
<th></th>
<th>Hargasaham</th>
<th>PBV</th>
<th>QR</th>
<th>NPM</th>
<th>CR</th>
<th>DER</th>
<th>TATO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hargasaham Correlation</td>
<td>.100</td>
<td>-.057</td>
<td>.171</td>
<td>.090</td>
<td>.187</td>
<td>-.043</td>
<td>-.175</td>
</tr>
<tr>
<td>PBV</td>
<td>.100</td>
<td>1.00</td>
<td>0</td>
<td>-.022</td>
<td>.067</td>
<td>-.009</td>
<td>-.094</td>
</tr>
<tr>
<td>QR</td>
<td>.171</td>
<td>-.022</td>
<td>1.000</td>
<td>-.032</td>
<td>.480</td>
<td>-.031</td>
<td>-.025</td>
</tr>
<tr>
<td>NPM</td>
<td>.090</td>
<td>.067</td>
<td>-.032</td>
<td>1.000</td>
<td>-.047</td>
<td>-.112</td>
<td>-.051</td>
</tr>
<tr>
<td>DER</td>
<td>.187</td>
<td>-.009</td>
<td>.480</td>
<td>-.047</td>
<td>1.000</td>
<td>-.100</td>
<td>-.041</td>
</tr>
<tr>
<td>CR</td>
<td>-.043</td>
<td>-.094</td>
<td>-.031</td>
<td>-.112</td>
<td>-.100</td>
<td>1.000</td>
<td>-.120</td>
</tr>
<tr>
<td>TATO</td>
<td>-.175</td>
<td>-.045</td>
<td>-.025</td>
<td>-.051</td>
<td>-.041</td>
<td>-.120</td>
<td>1.000</td>
</tr>
<tr>
<td>Sig.(1-tailed) Hargasaham PBV</td>
<td>.355</td>
<td>.131</td>
<td>.279</td>
<td>.109</td>
<td>.390</td>
<td>.125</td>
<td></td>
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<tr>
<td>PBV</td>
<td>.355</td>
<td>.442</td>
<td>.331</td>
<td>.477</td>
<td>.270</td>
<td>.384</td>
<td></td>
</tr>
<tr>
<td>QR</td>
<td>.131</td>
<td>.422</td>
<td>.149</td>
<td>.000</td>
<td>.420</td>
<td>.435</td>
<td></td>
</tr>
<tr>
<td>NPM</td>
<td>.279</td>
<td>.331</td>
<td>.419</td>
<td>.379</td>
<td>.232</td>
<td>.371</td>
<td></td>
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<tr>
<td>DER</td>
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<td>.477</td>
<td>.000</td>
<td>.379</td>
<td>.257</td>
<td>.394</td>
<td></td>
</tr>
<tr>
<td>CR</td>
<td>.390</td>
<td>.270</td>
<td>.420</td>
<td>.232</td>
<td>.257</td>
<td>.215</td>
<td></td>
</tr>
<tr>
<td>TATO</td>
<td>.125</td>
<td>.384</td>
<td>.435</td>
<td>.371</td>
<td>.394</td>
<td>.215</td>
<td></td>
</tr>
</tbody>
</table>

Table 5.

It can be seen that the Sig value of the X variable is greater than 0.05, it can be concluded that there is no heteroscedasticity. Autocorrelation test aims to test whether in the linear regression model there is a correlation between the confounding error in period t and the confounding error in period t-1 (previous).

Hypothesis testing was tested by multiple linear regression analysis. The regression model used is:

\[
\text{Model: } Y = \beta_0 + \beta_1 X + \epsilon
\]
Table 6. Coefficients

Share Price = 281,407 + (0.07) PBV + 0.148 QR + 2,102 NPM + (16,698) DER + 1,683 CR + (5,078) TATTOO

Based on table III.5, the results obtained from the T-test are:

1. The calculated T value of the PBV variable is -0.456, the t table value is obtained from the degrees of freedom. The degrees of freedom are n – u k = 45 – 6 = 39, the table value is -0.456. So it can be concluded that t count > t table (-0.456 < 2.02269) which means that PBV has a significant effect but has no effect on stock prices. Meanwhile, when viewed from sig 0.651 > 0.05, it means that PBV is significant to the stock price.

2. The T value for the QR variable is 0.589, the value for the table is obtained from the degrees of freedom. The degrees of freedom are n – u k = 45 – 6 = 39, so the t table is 0.589. So it is concluded that t count > t table (0.589 < 2.02269) which means that PBV has a significant effect but has no effect on stock prices. Meanwhile, when viewed from sig 0.559 > 0.05 which means QR is significant to stock prices.

3. The calculated T value for the NPM variable is 0.576, the t table value is obtained from the degrees of freedom. The degrees of freedom n – u k = 45 – u 6 = 39, then the t table is 0.576. So it is concluded that t count > t table (0.576 < 2.02269) which means that PBV has a significant effect but has no effect on stock prices. Meanwhile, when viewed from sig 0.568 > 0.05, it means that NPM is significant to stock prices.

4. The calculated T value of the DERu variable is 0.726, the t table value is obtained from the degrees of freedom. The degrees of freedom are n – u k = 45 – u 6 = 39, so the t table is 0.726. So it is concluded that t count > t table (0.726 < u 2.02269) which means that PBV has a significant effect but does not affect stock prices. Meanwhile, if you look at sig 0.472 > 0.05, it means that DERu is significant to stock prices.

5. The calculated T value of the CR variable is -0.277, the value of the table is obtained from the degrees of freedom. The degrees of freedom are n – u k = 45 – u 6 = 39, so the t table is - 0.277. So it can be concluded that u t arithmetic > t table (-0.277 < 2.02269) which means that PBV has a significant effect but has no effect on stock prices. Meanwhile, when viewed from sig 0.783 > 0.05, it means that CR is significant to stock prices.

6. The calculated T value of the TATO variable is -1.091, the t table value is obtained from the degrees of freedom. The degrees of freedom are n – u k = 45 – 6 = 39, the table value is -1.091. So it is concluded that u t count > t table (-1.091 < 2.02269) which means that PBV has a significant effect but does not affect stock prices. Meanwhile, when viewed from sig 0.282 > 0.05, which means that TATO is not significant to stock prices.
Table 7. F Test

In table III.7 shows that the calculated F value is 0.597 and the F table value is 2.45 the significance is above 0.05 while DF1 and DF2 are obtained by the formula DF1 = number of variables – u 1 = 6 – 1 = 5, DF2 = sample – u number of variables = 45 – u 5 = 40 i.e. u 2.45. So that we get F count < u F table (0.597 < 2.45). So that PBV, QR, NPM, DER, CR, and TATO have no significant effect on the stock price of manufacturing companies in the food and beverage sub-sector listed on the BEI in 2018-2020.

Based on the partial hypothesis test/T test, the result is that t count > t table (-0.456 < u 2.02269) with a significant value of 0.651 > 0.05 which means that PBV has a significant effect but does not affect the stock price of listed property and real estate manufacturing companies. on the IDX in 2018-2020. Thus, Ha is accepted while u H0 is rejected. The results of this study are in line with previous research by Abimantraau (2013) which showed that the PBV variable did not significantly affect the price of business.

Based on the partial hypothesis test/T test, the results show that t count > t table (0.576 < 2.02269) with a significant value of 0.568 > 0.05 which means that NPM has a significant effect but does not affect the stock price of manufacturing companies in the property & real estate sub-sector listed on the Indonesia Stock Exchange in 2018-2020. Thus, Ha is accepted while u H0 is rejected. The results of this study are in line with previous research by Rinati (2012: 3) testing whether Net Profit Margin (NPM) has an effect on stock prices. The results of his research found that Net Profit Margin (NPM) had no significant effect on stock prices.

Based on the partial hypothesis test/T test, the results show that t count > t table (0.726 < 2.02269) with a significant value of 0.472 > 0.05 which means that DERu has a significant effect but has no effect on stock prices of manufacturing companies in the property & real estate sub-sector listed on the BEIu in 2018-2020. Thus, Ha is accepted while u H0 is rejected. The results of this study are in line with previous research by Safitri (2013). Information on an increase in DERu will be accepted by the market as a bad signal that will provide negative input for investors in making decisions to buy shares. This causes demand and stock prices to decline.

Based on the partial hypothesis test/T test, the results show that t count > t table (-0.277 < 2.02269) with a significant value of 0.783 > 0.05 which means that CR has a
significant effect but has no effect on stock prices of manufacturing companies in the property & real estate sub-sector listed in BEI 2018-2020. Thus, Ha is accepted while H0 is rejected. The results of this study are in line with previous research if investors do not see CRU as a decision to buy shares according to research by Cholidia (2017) that psychological factors from investors play an important role in making investment decisions and do not use fundamental analysis in making investment decisions.

Based on the partial hypothesis test/T test, the results show that t count > t table (-0.277 < 2.02269) with a significant value of 0.783 > 0.05 which means that CR has a significant effect but has no effect on stock prices of manufacturing companies in the property & real estate sub-sector listed on the IDX 2018-2020. Thus, Ha is accepted while H0 is rejected. The results of this study are in line with previous research if investors do not see CRU as a decision to buy shares according to research by Cholidia (2017) that psychological factors from investors play an important role in making investment decisions and do not use fundamental analysis in making investment decisions.

CONCLUSION

Price Book Value partially has a significant but not significant effect on stock prices in property & real estate sub-sector manufacturing companies listed on the Indonesia Stock Exchange in 2018-2020. The Quick Ratio partially has a significant but not significant effect on stock prices in sub-manufacturing companies in the property & real estate sector listed on the Indonesia Stock Exchange in 2018-2020. Net Profit Margin partially has a significant but not significant effect on stock prices in property & real estate sub-sector manufacturing companies listed on the Indonesia Stock Exchange in 2018-2020. Debt to Equity Ratio partially has a significant but not significant effect on stock prices in property & real estate sub-sector manufacturing companies listed on the Indonesia Stock Exchange in 2018-2020. Current Ratio partially has a significant but not significant effect on stock prices in sub-manufacturing companies in the property & real estate sector listed on the Indonesia Stock Exchange in 2018-2020. PBV, QR, NPM, DER, CR, and TATO influence the stock price with a coefficient of determination of 8.6% while the other 91.4% are influenced by other variables not included in this study.

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