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Analysis of BTN Stock Price Changes (Period 2017 To 2023)

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LDR and Share Price

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KEYWORDS: ROA, ROE, NIM, BOPO, ABSTRACT: The capital market is a place for investors to invest in financial instruments such as shares, bonds and mutual funds. Investors expect profits from shares that are used as investment outlets in the Capital Market.

> The research objective is to find out what fundamental variables (financial ratios) have an impact on changes in BTN share prices. Research object at Bank Tabungan Negara (BTN) for 7 years (2017 to 2023).

> Data processing analysis uses correlation tests, multiple regression, t test and F test as well as the Determinant Coefficient (Adjuster R Square).

> The research results show that the ROA and BOPO variables have a significant effect and the ROE, NIM and LDR variables do not have a significant effect on BTN share prices, for the period 2017 to 2023.

INTRODUCTION

The capital market and banking sector have a very important role in a country's economy. The capital market is a place for investors to invest in financial instruments such as; stocks, bonds, and mutual funds. Meanwhile, the banking sector functions as a financial institution that provides loans, collects funds, and provides various financial services to the public and companies.

The banking sector is one of the important sectors in the Indonesian economy, because banking is one of the variables that drives the Indonesian economy. Banking has a very vital role in achieving national goals through improving and equalizing people's living standards. Banking supports the running of the economy, because banks function as intermediary institutions, payment transaction organizers, and monetary policy transmission tools (Kasmir, 2019).

In carrying out its business, banks collect funds from the public and channel them back into various investment alternatives. In connection with the function of collecting funds, banks are often called trust institutions. In line with these business characteristics, banks are a business segment whose activities are largely regulated by the government. (Siamat, 2005).

Kasmir (2016), states that a bank is a financial institution whose main activity is collecting funds from the community and channeling these funds back to the community as well as providing other banking services. Meanwhile, according to A, Abdurrachman (2014) "A bank is a type of financial institution that provides various services, such as providing loans, circulating currency, monitoring currency, acting as a place to store valuable objects, financing the businesses of companies".

Prospective investors before making a decision to invest on the IDX will always consider developments in closing share prices, because share prices are a form of information about investors' trust in the issuer. This means that investors will always analyze the factors that influence changes in share prices. To analyze stock prices, fundamental analysis and technical analysis are usually used.

Fundamental analysis to find out whether share prices are overvalued or undervalued, with data sources in the form of the issuer's financial and economic conditions, including sales trends, employment relations, product or service competition. Fundamental analysis aims to assess the issuer's performance, whether it has effectively and efficiently achieved company goals. Generally, the fundamental factors of the banking industry include; ROA, ROE, PBV, DER, PER, DPR, LDR, NIM, NPM and CAR.

Technical analysis uses issuer market data, including stock price trends, trading volume, stock price index. Technical analysis aims to provide stock predictions in terms of price and transaction volume, so that we can know the direction of changes in the issuer's share price in the future. ROA describes the efficiency of using banking assets in generating profits, while NIM is the difference between interest income generated from lending activities and interest costs paid by banks.

BOPO is a ratio that measures the ratio of Operational Costs to Operational Income. Operational Income to determine the level of efficiency and ability of the bank in carrying out its operational activities by dividing total operational costs and total operating income calculated per position (not annual period).

Investors want to buy company shares, so investors must pay attention to the condition or condition of the company's shares as seen from the company's share price. The share price is an indicator of success in managing a banking company, because if the share price of a company increases, many investors will be interested in investing in the company. Stock prices during trading hours move up/down every second. This price can be formed dozens of times within a day of trading for one type of stock (Samsul, 2006).

For investors or shareholders, there are two benefits (returns) obtained by buying shares, namely getting dividends and/or capital gains. Dividends are a direct part of the company's net profits that are distributed to shareholders, while capital gains (losses) come from share price fluctuations. The supply and demand for stock trading is motivated by rational considerations from investors, so that investors really need various kinds of accurate information as analytical material in making investment decisions in the capital market.

Slamet Sugiri (2011), stated that the intrinsic value of shares is obtained from the results of analysis of the company's fundamental factors (internal conditions). Another opinion says, if a company's performance is good, which is indicated by the level of company wealth also increasing, then the impact is an increase in profitability enjoyed by shareholders (Husnan, 2015).

Conversely, if the company's performance is poor, the company's profitability will decrease, and shareholder returns will also decrease. This occurred in the opinion of James C. Van Horne (Nugroho, 2016) who said, the better the company's performance as reflected in its ratios, the higher the company's stock return.

Research by Asti Nur Aryati et. Al (2022), shows that partially, Return On Equity (ROE) and Non-Performing Loans (NPL) have a significant effect on stock prices. Meanwhile, the ROA, LDR and CAR variables do not have a significant effect on share prices. The results of the coefficient of determination test (R2) show that the variables Return On Assets, Return On Equity, Loan to Deposit Ratio, Capital Adequacy Ratio, and Non-Performing Loans have an influence on stock prices of 38.60% and the remaining 61.40% is influenced by other factors not studied.

Research by Djoko Wijono, et Al (2023), based on the Common Effect Model using Eviews, the F test results show that the ROA, NIM and BOPO variables simultaneously have a significant effect on stock prices. Based on the t test results, ROA has a positive effect on share prices with a strong level of statistical significance. Furthermore, NIM is proven to have a negative influence on share prices, while BOPO has no effect on share prices. The prediction of the three independent variables on share prices reached 92.9%, while the remaining 7.1% was influenced by other factors that were not included in this research model.

Research, Munir Yapi (2010), shows simultaneously that Return On Equity, Return On Investment, Loan Deposit Ratio, Net Interest Margin, Operational Budget Operational Income, Net Profit Margin have a positive and significant effect on investment value. The research results also show that Return on Equity partially, Return on Investment has a positive and significant effect on investment value, Loan Deposit Ratio partially has a negative and insignificant effect on investment value, Net Profit Margin has a positive and insignificant effect on investment value and Operational Budget. Operating Income, Net Profit Margin have a negative and significant effect on investment value.

Research by Aini, et Al (2022), based on panel data regression analysis, can be explained that LDR has a negative effect on stock prices, CAR has a negative effect on stock prices, ROE has a positive effect on stock prices and BOPO has a negative effect on stock prices.

Bayu and Dedi's research (2024) shows that ROA has a positive effect on BTN share prices, while NIM and BOPO have a negative effect. This emphasizes the importance of Bank BTN to maximize ROA by paying attention to its assets.

The results of previous research by Wismaryanto (2013) and Purwanti (2020) show that ROA, NIM, and BOPO significantly influence banking share prices in the capital market. They found that banks with high ROA tend to have higher stock prices. Apart from that, banks with higher NIMs also tend to have higher share prices.

According to research conducted by Wijaya and Amelia (2017), Putri et al. (2022), and Hadi et al. (2021), ROA has a significant influence on banking share prices. They found that banks with high ROA tend to have higher share prices, because ROA reflects the level of profits generated by the company.

Research by Larasati et al. (2017) shows that NIM has a significant influence on banking share prices. The research results of Larasati et al. (2017), they found that banks with higher NIM tend to have higher share prices, because NIM reflects the bank's ability to generate higher interest income.

Research by Putri et al. (2022), Indah K. and Rasyid (2022), and Hadi et al. (2021) found evidence to the contrary, namely that NIM did not have a significant influence on banking share prices. Empirical evidence for banking companies on the IDX shows that NIM partially has a positive and significant effect on share prices (Chrisna, 2009).

Empirical evidence for banking companies on the IDX shows that BOPO partially has a negative and insignificant effect on share prices (Indriana, 2009). Research conducted by Wismaryanto (2013), BOPO has a significant influence on banking share prices. The results of their research show that banks with low BOPO tend to have higher share prices, because BOPO reflects the

bank's level of efficiency in its operational activities. The results of this research contradict the research results of Sembiring and Sinaga (2020), and Harahap and Hairunnisah (2017).

Previous studies by Wismaryanto (2013) and Purwanti (2020) found that ROA, NIM, and BOPO significantly influence banking share prices in the capital market. They also found that banks with higher ROA also tended to have higher share prices, and banks with higher NIM also tended to have higher share prices. These results indicate that there is a strong correlation between banking financial performance and their share prices.

Empirical evidence for banking companies on the IDX shows that LDR partially has a negative and insignificant effect on share prices (Munir, 2011). Seeing several research results on banking share prices on the IDX, I am interested in conducting more in-depth research on what variables influence changes in banking share prices in Indonesia, especially Bank Tabungan Negara (BTN), for the period 2017 to 2023 using the independent variables ROA, ROE, NIM, BOPO and LDR.

LITERATURE REVIEW

Stock Price (Stock Price)

According to (Mandagie et al., 2014), the share price is a share that is determined when the stock market is in progress, based on supply and demand. Meanwhile, according to Brigham et al. (2011), Share prices determine shareholder wealth. Maximizing shareholder wealth translates into maximizing the company's share price.

The stock price at any given time will depend on the cash flows expected to be received in the future by the "average" investor if the investor purchases the stock."The share price that occurs on the stock exchange at a certain time is determined by market players and is determined by the demand and supply of the shares concerned in the capital market. The formula for calculating Share Prices can be formulated as follows. (Brigham et al., 2011. Share Price = End of year closing share price (Closing Price)

Share prices reflect the market value of a company which is influenced by various factors. Bodie et al. (2022) explains that the share price is the price per share which is determined by the demand and supply of company shares in the capital market. Share prices reflect the level of investor trust and confidence in the company's prospects. Larasati et al. (2017) suggest several factors that can influence share price fluctuations, both from within and outside the company. Internal factors that influence include company profits, annual asset growth, liquidity level, total wealth value, and sales volume.

The closing stock price is the price requested by the seller or the last trading price for a period. In general, the decision to buy or sell shares is determined by a comparison between the estimated intrinsic value and the market price (Abdul Halim, 2005:31).

ROA (Return on Assets)

Return on Assets (ROA) is an indicator of a bank's ability to earn a profit on a number of assets owned by the bank. ROA can be obtained by calculating the ratio between net profit after tax and total assets (Mandagie et al., 2014). Calculation of Return On Assets (ROA) according to Bank Indonesia Circular Letter Number 13/24/DPNP/2011 is formulated as follows: ROA = (Profit before Tax / Total Assets) X 100%).

ROA (Return on Assets) is an important financial ratio in measuring the efficiency of using company assets to generate profits. According to Brigham and Houston (2021), ROA is considered a ratio that measures a company's ability to generate net profits from the use of its assets. ROA is calculated by dividing net profit by the company's total assets. Gitman and Zutter (2019) state that ROA reflects the rate of return a company generates from the assets used in its business operations.

Pandey (2020) explains that ROA provides information about the extent to which a company can optimize the use of its assets. A high ROA indicates that the company is more efficient in managing and utilizing its assets. ROA is seen as a financial ratio that measures the efficiency of a company's use of assets in generating profits. ROA is calculated by dividing a company's net profit by its total assets. ROA is an important indicator for evaluating the financial performance of banking companies.

ROE (Return on Equity)

ROE has a positive relationship with changes in profit. ROE is used to measure a company's effectiveness in generating profits by utilizing its equity (Hanum, 2009: 1). This ratio shows the efficiency of using own capital. The higher this ratio, the better. This means that the position of the company owner is getting stronger, and vice versa (Kasmir, 2012: 204).

Net Interest Margin (NIM)

NIM (Net Interest Margin) is an important ratio in measuring banking efficiency in generating interest income from its productive assets. The basic concept of NIM can be found in the literature of Saunders et al. (2018) stated that NIM is a ratio that measures the difference between the net interest income generated by the bank and the productive assets owned. NIM is calculated by dividing the difference between net interest income and productive assets. Mishkin and Eakins (2018) explain that NIM reflects a bank's ability to generate interest income from its asset portfolio. A high NIM shows the bank's efficiency in managing its productive assets.

NIM is also defined as the difference between the interest income generated by banks from lending activities and the interest costs paid by banks on the sources of funds obtained. NIM is an important indicator in measuring the efficiency of fund management and banking interest activities.

Net Interest Margin (NIM) is a profitability ratio to measure the ability of productive assets to generate net interest income. The ratio calculation is net interest income divided by average productive assets (SE BI, 2001). Operational Costs to Operating Income (BOPO)

Operating costs operating income is a profitability ratio, with a calculation of total operating expenses divided by operating income, with figures calculated per position not annualized (SE BI, 2001). According to Rachmawati and Kristijanto (2009), BOPO is one of the ratios used to assess profitability in the banking industry. The BOPO ratio describes the level of bank efficiency in its operational activities. The BOPO ratio is calculated by comparing operational costs with operational income in a certain period.

Bank Indonesia Circular (SE) number 15/29/DKBU dated 31 July 2013 states that BOPO (Operational Income Operating Costs) is a ratio that measures the ratio of Operational Costs to Operational Income. Operational income to determine the level of efficiency and ability of the bank in carrying out its operational activities by dividing total operational costs and total operating income calculated per position (not annualized).

Loan Deposit Ratio (LDR)

According to (Kasmir, 2019), LDR (Loan to Deposit Ratio) is a ratio used to measure the composition of the amount of credit given compared to the amount of public funds and own capital used. Meanwhile, according to (Riyadi, 2015) Loan to Deposit Ratio is a comparison of total credit to Third Party Funds (DPK) collected by the Bank. According to (Sudirman, 2013), this ratio can be formulated as follows: LDR = (Amount of Credit / Third Party Funds) X 100%.

LDR is the ratio of credit provided to third parties in the form of rupiah and foreign currency, excluding credit to other banks, to third party funds including current accounts, savings and deposits in the form of rupiah and foreign currency, excluding interbank funds. The lower limit of the target LDR is 78% and the upper limit of the target LDR is 92% (Bank Indonesia Regulation, 2013; 8).

RESEARCH METHODS

Research Population and Sample

This research uses a quantitative research design and the research population consists of Financial Ratios from National Savings Bank (BTN) data. The research sample is BTN financial ratio data from the 2017 to 2023 period.

Data Collection Techniques and Instruments

Data collected from the Bank Tabungan Negara (BTN) annual financial report is available on the BTN website and website. The data required for this research includes Return on Assets (ROA), Return on Equity (ROE), Net Interest Margin (NIM), and Rational Income Operating Expenses (BOPO) and Loan Deposit Ratio (LDR) as well as stock prices (Stock Price) State Savings Bank (BTN) for the period 2017 to 2023.

Data Analysis Methods Analysis of research data using correlation tests, multiple regression, partial tests (t tests), simultaneous tests (Anova test or F test).

The multiple regression is as follows:

Y = a + b1X1 + b2X2 + b3X3 + b4X4 + b5X5 + e

Information:

a= Constanta b1,b2,b3,b4,b5

X1 = Return on Assets (ROA)

X2 = Return on Equity (ROE)

X3 = Net Interest Margin (NIM)

X4 = Operational Costs to Operational Income (BOPO)

X5 = Loan Deposit Ratio (LDR).

RESULTS AND DISCUSSION

R R Square Adjusted R Square Std. Error of the Estimate .999a .999 .991 .75.37445

a. Predictors: (Constant), LDR, NIM, ROA, BOPO, ROE

The results of data processing using SPSS software version 26, Model Summary Adjusted R Square is 0.991 or 99.1%, meaning the joint influence of the independent variables (ROA, ROE, NIM, BOPO and LDR) on Bank BTN Share Prices for the 2017 period

until 2023 amounting to 99.1%. This figure means that the influence of the independent variables together on the dependent variable is very strong.

ANOVA ^a						
M						
od						
el Sum of Squares	df	Mean Squa	are	F	Sig.	
Regression	3887140.120		5	777428.024	136.840	.065 ^b
Residual	5681.308		1	5681.308		
Total	3892821.429		6			

a. Dependent Variable: Stock Price

The results of the Anova model analysis (F test) between the independent variables (LDR, NIM, ROA, BOPO and ROE) on the dependent variable (BTN share price) with a Sig value of 0.650 > 0.050, meaning that the simultaneous influence of the independent variables on the dependent variable is not significant.

Coefficients^a

	Unstandardized Coefficients		Standardized Coefficients		
Model	В	Std. Error	Beta	t	Sig.
(Constant)	-60128.888	3652.012		-16.465	.039
ROA	5967.869	307.800	3.713	19.389	.033
ROE	171.487	97.372	.647	1.761	.329
NIM	70.956	388.576	.054	.183	.885
ВОРО	630.618	37.778	4.103	16.693	.038
LDR	-20.805	5.751	254	-3.618	.172

a. Dependent Variable: Stock Price

The results of multiple regression analysis are:

Y = -60,128.88 + 5,967.86 ROA + 171.48 ROE + 70.95 NIM + 630.61 BOPO - 20.80

LDRPartial test results (t test), between the independent variable and the dependent variable, it turns out that only the variables Return on Assets (ROA) and Operational Costs on Operating Income (BOPO), have a significant effect, because the Sig of ROA is 0.033 < 0.050 and the Sig of BOPO is 0.038 < 0.050, so it has a significant influence on share prices. Meanwhile, the Return on Equity (ROE), Net Interest Margin (NIM) and Loan Deposit Ratio (LDR) variables each have a Sig ROE value of 0.329 > 0.050, Sig NIM of 0.885 > 0.050 and Sig LDR of 0.172 > 0.050, so the three variables (ROE, NIM and LDR) have no significant influence on BTN share prices for the period 2017 to 2023.

CONCLUSION

An investor's goal is to expect an increase in the funds invested in the Indonesian capital market (BEI), through purchasing shares. Share prices will be influenced by several fundamental variables (financial ratios), as well as technical variables or macroeconomic variables.

The independent variables that influence BTN's share price are the ROA variable and the BOPO variable, while other independent variables such as; ROE, NIM and LDR do not significantly influence BTN share prices for the period 2017 to 2023. Together the five independent variables (ROA, ROE, NIM, BOPO and LDR) do not significantly influence BTN share prices during the research period.

RECOMMENDATION

Prospective investors before investing their capital in the Indonesian Capital Market (BEI), need to carry out fundamental analysis and technical analysis of the company whose shares will be purchased to be used as an investment portfolio. Fundamental analysis of financial ratios also has a significant influence on changes in BTN share prices.

Technical analysis also needs to be analyzed, because macroeconomic variables (inflation, economic growth, dollar exchange rate, SBI, Gini index, unemployment rate, poverty rate, etc.), of course also have a significant influence on changes in BTN share prices, during the research period (2027 to 2023).

b. Predictors: (Constant), LDR, NIM, ROA, BOPO, ROE

REFERENCES

- 1. Aini Nursyafa'ah, Siti Muntahanah, Harsuti, dkk . (2022). Analsisis Determinan Harga Saham Perbankan yang Terdaftar di Bursa Efek Indonesia, Procedia of Social Sciences and Humanities Proceedings of the 1st SENARA 2022, ISSN 2722-0672 (online), https://pssh.umsida.ac.id. Published by Universitas Muhammadiyah Sidoarjo.
- 2. Asri, M. H. (2018). Analisis Rasio Dengan Variabel Eps (Earning Per Share), Roa (Return on Assets), Roe (Return on Equity), Bopo (Biaya Operasional Pendapatan Operasional) Terhadap Harga Saham Perusahaan Perbankan. Jurnal Ilmiah Ekonomi Bisnis, 22(3).
- 3. Asti Nur Aryanti, Palupi Permata Rahmi, Listri Herlina, (2022). Pengaruh ROA, ROE, LDR, CAR, Dan NPL Terhadap Harga Saham Perbankan Yang Terdaftar di BEI, ARBITRASE: Journal of Economics and Accounting, ISSN 2722-841X (Media Online) Vol 3, No 1, Juli 2022, Page 156-163.
- 4. Bayu Yudistira, Dedi Supiyadi''(2022). Pengaruh *Return on Asset* (ROA), *Net Interest Margin* (NIM), dan Biaya Operasional Pendapatan Operasional (BOPO) Terhadap Harga Saham Pada PT Bank Tabungan Negara (BTN) Periode 2013-2022, Jejak Artikel p-ISSN 2622-4291 e-ISSN 2622-4305, Volume 6, Nomor 3, April 2024
- 5. Bodie, Z., Kane, A., & Marcus, A. (2022). Essentials of Investments (12th ed.). NY: McGraw-Hill/Irwin Brigham, E. F. & Houston, J. F. (2021). Fundamentals of Financial Management (15e ed.). Cengage Learning.
- 6. Brigham, F, E., & Houston. (2011). Dasar-dasar Manajemen Keuangan Terjemahan. Edisi 10. Jakarta: Selemba Empat.
- 7. Chrisna, Heriyanti, (2009). Pengaruh ROE, CAR, NIM dan DPR Terhadap Harga Saham Perusahaan Perbankan di BEI. Medan: Universitas Sumatra Utara.
- 8. Dendawijaya, Lukman (2015). Manajemen Perbankan. Jakarta: Ghalia Indonesia
- 9. Djoko Wijono, Bambang Sugeng Dwiyanto, Andriya Risdwiyanto, Dkk,. (2023). Pengaruh ROA, NIM, dan BOPO terhadap Harga Saham Perbankan LQ20 di Bursa Efek Indonesia Periode 2016-2022 Menggunakan Analisis Data Panel, Vol. 12 No. 2 Juni 2023 hal. 632 646.
- 10. Gitman, L. J. & Zutter, C. J. (2019). Principles of Managerial Finance (15th ed.). Boston: Prentice-Hall, Inc.
- 11. Hadi, M., Ambarwati, M. D., & Haniyah, R. (2021). Pengaruh Return on Asset, Return on Equity, Net Interest Margin, Net Profit Margin, Earning per Share dan Net Income terhadap Stock Price Sektor Perbankan Tahun 2016-2020. Jurnal Manajemen Bisnis dan Inovasi Universitas Sam Ratulangi (JMBI Unsrat), 8(3), 770–792.
- 12. Hasanah, U., & Purnama, I. (2022). PENGARUH RETURN ON ASSETS, RETURN ON EQUITY, DAN DEBT TO EQUITY RATIO TERHADAP HARGA SAHAM PERBANKAN YANG GO PUBLIK DI BURSA EFEK INDONESIA. *Jurnal Ekonomi & Bisnis*, 10(2). https://doi.org/10.58406/jeb.v10i2.923
- 13. Hermawan, H. (2022). Analisis CAR, ROA, LDR, NIM, NPL dan BOPO Terhadap Stock Return Perusahaan Perbankan yang Terdaftar di Bursa Efek Indonesia Tahun 2015-2020. Ilmu Saham: Pengenalan Saham Google Books. (n.d.).
- 14. Indah K., A. T., & Rasyid, H. A. (2022). Pengaruh Return on Assets (ROA), Return on Equity (ROE) dan Net Interest Margin (NIM) terhadap Harga Saham pada Bank BCA, Tbk. Owner: Riset dan Jurnal Akuntansi, 6(3), 2390–2401.
- 15. Indonesia, (2013). PBI No.15/15/PBI/2013 tentang Giro Wajib Minimum Bank Umum Dalam Valuta Rupiah dan Valuta Asing Bagi Bank Umum Konvesional, Jakarta: Bank Indonesia.
- 16. Isyani, Catarina Putri Mariska, (2015). Pengaruh Return on Investment dan Earning per Share Terhadap Harga Saham Perusahaan dengan Memperhatikan Received Risk Saham Sebagai Variabel Moderasi Bank (Studi pada perusahaan Manufaktur yang terdapat di BEI Tahun 2011-2013). Yogyakarta: Fakultas Ekonomi UNY.
- 17. Kasmir, (2012). Analisis Laporan Keuangan .Jakarta: PT Rajagrafindo Persada.
- 18. Kasmir, (2018). Analisis Laporan Keuangan. Jakarta: PT. Raja Grafindo Persada
- 19. Kasmir. (2019). Analisis Laporan Keuangan. In RAJAWALI PERS. SEP.
- 20. Larasati, R., Isynuwardhana, D., & Muslih, M. (2017). Analisis Pengaruh Non Performing Loan dan Net Interest Margin terhadap Harga Saham pada 5 Bank Umum Konvensional Penyalur Kredit Terbesar di Indonesia Tahun 2010-2015. E-Proceeding of Management, 4(1), 402–410.
- 21. Lesmono, W., Nurhasanah, N., & Supriyadi, D. (2022). The Pengaruh Net Interest Margin, Return On Equity Dan Debt To Equity Ratio Terhadap Harga Saham Pada Bank Yang Terdaftar Di Bursa Efek Indonesia Periode Tahun 2016 -2020. *Journal of Economic, Bussines and Accounting (COSTING)*, 5(2)
- 22. Mandagie, Y., Saerang, I., & Polii, P. (2014). Rasio Keuangan Pengaruhnya Terhadap Harga Saham Pada Bank Umum Swasta Nasional Devisa Yang Go Public Di Bursa Efek Indonesia. *Jurnal Riset Ekonomi, Manajemen, Bisnis Dan Akuntansi*, 2(2). [SEP]
- 23. Mishkin, F. S., & Eakins, S. G. (2018). Financial Markets and Institutions (9th ed.). Harlow: Pearson.
- 24. Munir Yapi,. (2010). PENGARUH RETURN ON EQUITY, RETURN ON INVESTMENT, LOAN DEPOSIT RATIO, NET INTEREST MARGIN, BIAYA OPERASIONAL PENDAPATAN OPERASIONAL, NET PROFIT MARGIN TERHADAP HARGA SAHAM (Studi Empiris : Perusahaan Perbankan Yang Terdaftar Di Bursa Efek Indonesia Tahun 2010-2014)

- 25. Nugroho, S. (2016). Manajemen Persatuan Renang Seluruh Indonesia Kabupaten Cilacap. *Jurnal Pendidikan Unsika*, 4(4). Fig. Riyadi, S. (2015). Banking Assets And Liability Management. In *Lembaga Penerbit Fakultas Ekonomi Universitas Indonesia* (Vol. 1, Issue 1). Fig.
- 26. Pandey, I. M. (2020). Financial Management. Vikas Publishing House, Ltd.
- 27. Polii, P. J., Saerang, I., & Mandagie, Y. (2014). Rasio Keuangan Pengaruhnya Terhadap Harga Saham Pada Bank Umum Swasta Nasional Devisa Yang Go Public Di Bursa Efek Indonesia. Jurnal EMBA: Jurnal Riset Ekonomi, Manajemen, Bisnis dan Akuntansi, 2(2). [27]
- 28. Prabowo et al.(2021). The Capital Adequacy Ratio And The Loan To Deposit Ratio Influence On The Price Of Exp Banking Companies: Evidence From Indonesia. Multicultural Education 7(6)
- 29. Purwanti, P. (2020). Pengaruh ROA, ROE, dan NIM terhadap Harga Saham pada Perusahaan Sektor Perbankan yang Terdaftar di BEI Periode 2015-2019. Jurnal Aplikasi Manajemen, Ekonomi dan Bisnis, 5(1), 75–84.
- 30. Putra, A., Kusnaedi, U., ... N. N.-J. P., & (2023), undefined. (n.d.). Return On Asset (ROA) dan Return On Equity (ROE) Sebagai Prediktor Harga Saham: Sebuah Analisis Regresi pada Perusahaan Perbankan di Bursa Efek Indonesia. *Jptam.OrgANM Putra, U Kusnaedi, N Nurhayati, H SaputriJurnal Pendidikan Tambusai, 2023.*
- 31. Putri, B. I., Putri, M., & Octavia, A. N. (2022). Pengaruh ROA, ROE, dan NIM terhadap Harga Saham pada Perusahaan PT Bank Central Asia, Tbk. Periode 2012-2021. Jurnal Ilmiah Solusi, 20(4), 378–387.
- 32. Putri, D. A., & Prijati, P. (2017). Pengaruh ROA, CAR, NPM, dan LDR terhadap Harga Saham Bank [FE] Umum. Jurnal Ilmu dan Riset Manajemen (JIRM), 6(4).
- 33. Rachmawati, T., & Kristijanto, D. (2009). Pengaruh Return on Assets (ROA), Return on Equity (ROE), Net Interest Margin (NIM) dan Rasio Biaya Operasional Pendapatan Operasional (BOPO) terhadap Harga Saham Bank di Bursa Efek Indonesia. DIE: Jurnal Ilmu Ekonomi dan Manajemen, 6(1), 67–94.
- 34. Rahayu, S., Ningsih, H. T. K., & Zukhairani, I. (2020). The Effect of Loan to Deposit Ratio (LDR), Capital Adequacy Ratio (CAR) and Return on Asset (ROA) against Stock Price at Sharia Commercial Bank in Explandonesia.
- 35. Samsul, M. (2006). Pasar Modal dan Manajemen Portofolio, penerbit Erlangga. In *Surabaya*. *P*. Signat, D. (2005). *Manajemen lembaga keuangan: kebijakan moneter dan perbankan* (5th edition). Lembaga Penerbit Fakultas Ekonomi Universitas Indonesia.
- 36. Sari, Devi Erlina, (2013). Analisis Pengaruh Rasio Profitabilitas Terhadap Harga Saham pada Perusahaan Perbankan di BEI Tahun 2008-2010. Surakarta: Faskultas Ekonomi Universitas Muhammadiyah Surakarta.
- 37. Satria, I., & Hatta, I. H. (2015). Pengaruh kinerja keuangan terhadap harga saham 10 Bank terkemuka di Epilindonesia. Jurnal Akuntansi, 19(2), 179-191.
- 38. Saunders, A., Cornett, M., & Erhemjamts, O. (2018). Financial Institutions Management: A Risk Management Approach (9th ed.). McGraw-Hill Education.
- 39. Sembiring, E. br, & Sinaga, R. V. (2020). Pengaruh Kinerja Keuangan terhadap Harga Saham pada Perusahaan LQ45 yang Terdaftar di Bursa Efek Indonesia. Jurnal Manajemen dan Bisnis, 20(2), 209–219.
- 40. Sudirman, I. Wayan. (2013). Manajemen Perbankan menuju bankir konvensional yang profesional. In *Edisi Revisi Sembilan* (Vol. 241).
- 41. Sugiri, Slamet Sugiri. (2011). Akuntansi Manajemen. UPP STIM YKPN: Yogyakarta. Sugiyono. (2017). Metode Penelitian Kuantitatif, Kualitatif Dan R&D.
- 42. Surat Edaran Bank Indonesia, (2001). Pedoman Perhitungan Rasio Keuangan, Lampiran Surat Edaran Bank Indonesia Nomor 3/30/DPNP Tgl 14 Desember 2001. Jakarta; Bank Indonesia.
- 43. Timbul, Ucok Saut dan Nugroho, Widyo, (2009). Analisis Pengaruh EVA, ROE dan Persentase Kepemilikan Modal Saham Asing Terhadap Harga Saham Perbankan di BEI. Jakarta: Universitas Gunadarma.
- 44. Wijaya, E., & Amelia, A. (2017). Analisis Pengaruh Net Interest Margin (NIM), Return on Asset (ROA), Return on Equity (ROE), dan Capital Adequacy Ratio (CAR) terhadap Harga Saham pada Perusahaan Perbankan di Bursa Efek Indonesia dalam Menentukan Investasi. Procuratio: Jurnal Ilmiah Manajemen, 5(1), 38–47.
- 45. Wijono, D., Dwiyanto, B. S., Risdwiyanto, A., & Jemadi, J. (2023). Pengaruh ROA, NIM, dan BOPO terhadap Harga Saham Perbankan LQ20 di Bursa Efek Indonesia Periode 2016-2022 Menggunakan Analisis Data Panel. *Jurnal Maksipreneur: Manajemen, Koperasi, Dan Entrepreneurship*, 12(2).
- 46. Wismaryanto, S. D. (2013). Pengaruh NPL, LDR, ROA, ROE, NIM, BOPO, dan CAR terhadap Harga Saham pada Sub Sektor Perbankan yang Terdaftar di Bursa Efek Indonesia. Jurnal Manajemen, 3(1), 29–60.
- 47. Yapi, Munir, (2011). Pengaruh Capital Adequacy Ratio, Loan Deposit Ratio, Non Performance Loan dan Giro Wajib Minimum Terhadap Harga Saham pada perusahaan perbankan yang terdaftar di BEI, Makassar. STIM Nitro
- 48. Yuliyanti, L. (2017). Pengaruh Kinerja Keuangan Terhadap Harga Saham Bank Umum Konvensional Di Bursa Efek Indonesia Pada Tahun 2013-2016. *Jurnal Pendidikan Akuntansi & Keuangan*, 5(1). https://doi.org/10.17509/jpak.v5i1.15408.