



The influence of bopo *ldr*, and *leverage* On financial performance (roa) in banking companies Listed on bursa effects indonesia

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ABSTRACT)

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The bank is a financial institution whose function is to collect funds from the public. Commercial banks are also institutions that function to facilitate the flow of payment traffic. Every commercial bank must maintain the soundness of its bank to be able to compete and provide maximum service to customers. The soundness of the bank can be seen from the financial performance of the bank. Financial performance is one of the basic assessments of the company's financial condition that can be done based on an analysis of the company's financial ratios. The company's financial performance can be assessed through various variables. The financial performance of the banking sector which is published through financial ratios are grouped into liquidity ratios (LDR), solvency ratios (CAR and *Leverage*), operational efficiency (BOPO). The independent variables in this study are BOPO, LDR, and leverage. The dependent variable is financial performance. This study aims to examine the effect of Operational Efficiency (BOPO), Loan to Deposit Ratio (LDR), and Leverage on Return on Assets (ROA) as a proxy for Financial Performance. The research population is all banking companies listed in the Bursa Effect Indonesia (BEI). The object of research is all banking companies listed in the Bursa Effect Indonesia (BEI) in 2010-2014. Sample selection was done by *purposive sampling*. the analytical method used in this study was to perform quantitative analysis which was expressed by numbers that were calculated using statistical methods assisted by computer technology, namely SPSS 20 The data analysis method used in this study is the Multiple Linear Regression analysis method. In performing multiple linear regression analysis, this method requires testing the classical assumptions to get good regression results. Where the hypothesis testing uses the individual parameter significance test (t statistical test), and the determinant coefficient test (R²). The results showed that the BOPO, LDR, and Leverage. variables significant effect on ROA as well.

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1. Introduction

The bank is a financial institution whose function is to collect funds from the public. The main purpose of a company or bank business is to seek profit or seek profit (Kasmir, 2015). The success of the Indonesian economy cannot be separated from the success of the banking industry, especially its role as a source of financing for domestic companies and industries, agriculture, mining, and other properties. (Harun, 2016) , The State of Indonesia has Commercial Banks that act as financial intermediaries between parties who have Funding funds and Lending funds with parties who need funds. Commercial banks are also institutions that function to facilitate the flow of payment traffic. Every commercial bank must maintain the soundness of its bank to be able to compete and provide the best service to customers. We can see the level of security of commercial banks through the financial performance of these commercial banks.

(Alfabeta Fahmi, 2011), Financial performance is an analysis carried out to understand the implementation of the company and the correct and correct analysis of the financial status so that it can be known whether the company's financial status is good or bad which reflects the performance contained. According to (Husnan, 2015) the company's financial performance is one of the bases for assessing the company's financial condition which can be done based on an analysis of the company's financial ratios. The company's financial performance can be assessed through various variables. According to (Dendawijaya, 2009), the financial performance of banks which is contained through financial ratios is grouped into liquidity ratios (LDR), solvency ratios (CAR and *Leverage*), operating expenses for operating income (BOPO). Research purposes to examine the effect of CAR, BOPO, LDR, *leverage*, to see the effect of variables on financial performance in banking companies on the Indonesia Stock Exchange. In this study, the performance measurement tool used is *Return On Assets* (ROA).

(Alfabeta Fahmi, 2011) Financial ratios are divided into liquidity ratios (LDR), solvency ratios (CAR and *leverage*), operating efficiency (BOPO), and company size, all of which come from internal factors. In this study, the performance measurement tool used is *Return On Assets* (ROA). Based on (Ali, 2017) Return On Assets (ROA) is an important profitability indicator to measure the performance of a bank. ROA focuses on the company's ability to earn profits in the company's operational activities by utilizing the assets it owns. According to (Dietrich & Wanzenried, 2009), ROA was chosen because ROA is an effective measuring tool, using assets owned to generate profits, bank assets are more important because most bank funds come from public funds. The determinant of bank performance can also be seen from the bank's operational efficiency, namely the ratio of Operating Costs to Operating Income (BOPO) ratio. BOPO is a ratio used to measure the level of efficiency and ability of banks in carrying out their operations. BOPO is used as a measuring tool by comparing operational costs with bank operating income. Following Bank Indonesia regulations, the effective BOPO ratio should not exceed 90%.

Factors others that affect the bank's performance can be seen in the level of liquidity ratio is called LDR (Loan to Deposit Ratio). In this case, banks need to maintain liquidity and ensure that they meet their obligations smoothly. Banks with larger total assets have the opportunity to provide more loans to borrowers, which is expected to generate high returns (Olalere et al., 2017) Bank Indonesia set the LDR ratio at 110%.

Banks are not enough to rely solely on total assets in running their business, but also need funds to obtain greater financing through loans or leverage. (Suad, 2000), the extent to which creditor funds are used to generate performance, the greater the leverage, the greater the risk faced, even if the bank cannot return the funds, it may face liquidation. (Ludigdo, n.d.) shows that leverage has a positive effect on bank performance. According to (Indonesia, 2009), financial performance is the company's ability to manage and control its resources. (Hanafi, 2005), performance is a formal effort carried out by the company to evaluate the efficiency and effectiveness of the company's activities carried out in a certain period. (Skouson, K. Fred, W Steve Albrecht, 1995), *ROA* is a bank's ability to manage the company to obtain overall profits. According to (Rahardja, n.d.), *ROA* in banking is calculated from profit before tax to total assets owned by the company. The ratio of operating costs is the ratio between operating costs and operating income. The bank carries out operational efficiency to determine whether the bank in its operations related to the bank's main business has carried out correctly (in accordance with the expectations of management and shareholders) and uses all production factors appropriately and effectively (Kurnia & Mawardi, 2012). According to (Se Bi, 2004).

(Kasmir, 2015) defines LDR as a ratio to measure the composition of the amount of credit given compared to the number of funds from the public and their capital used. According (Bank Indonesia, 2013), LDR is the ratio of loans extended to third parties in rupiah and foreign currencies, excluding loans to other banks, to third-party funds, including demand deposits, savings, and time deposits in rupiah and foreign currencies. Leverage is borrowed funds that can be used to increase / leverage profits. As it is known that the function of the bank as a mediator where the largest source of bank funds is public deposits which can be used as banking assets as well as capital for operations, then these funds are reused for lending activities in the form of interest

income which is the main source of bank income. According to (I. dan A. C. Ghozali, 2007), debt is often referred to ascertain claims on other parties against assets owned by the company, and this is because the assets or services owned by the company are derived from the existence of other parties who provide funds to obtain these assets or services. According to (Sinuraya, 1999), to see how much leverage the company uses can be measured through the ratio formulated as follows;

2. Research Method

The type of research is causality research. Causality research is a study that aims to determine the effect of independent variables on the dependent variable in a study. This research is associative research that is used to examine the relationship between two or more variables (Situmorang, S, 2017). The analytical method used in this research is to perform quantitative analysis expressed by numbers which in the calculation use statistical methods assisted by computer technology, namely SPSS 20. The data analysis method used in this study is the Multiple Linear Regression analysis method. In performing multiple linear regression analysis, this method requires testing the classical assumptions to get good regression results (I. Ghozali, 2011). Where the hypothesis testing uses the individual parameter significance test (t statistical test), and the determinant coefficient test (R²). The independent variables in this study are BOPO, LDR, and leverage. The dependent variable is financial performance. The object of research is all banking companies listed on the Bursa Effects Indonesia in 2010-2014. The object of research is 41 companies, including commercial banks and state-owned banks. Sample selection was done through purposive sampling.

3. Results and Discussion

This study uses multiple linear regression analysis to evaluate the effect of BOPO, LDR, Leverage on Financial Performance. The coefficient of determination is between zero and one. The results of the Coefficient of Determination are as follows; From Table 1, the *adjusted R-Square value* is 0.697. This means that 69.7% of the variation in performance (ROA) can be explained by variations in the BOPO, LDR, and Leverage variables, while the remaining 30.3% is explained by other variables not explained in this study. The t-test is a partial test or a separate test between the independent variables on the dependent variable, which can be seen in the table below

Table 1
Coefficient of Determination of

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.845 ^a	.714	.697	.54630

Table 2.
t-test

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	8.264	2.275		3632	.000
	BOPO	-.058	.005	-.738	-12374	.000

LDR	- .009	.004	-0.117	-2337	.02 1
LEVERAGE	462 3	1.602	-0.173	-2948	.00 4

The results of Table 2 can be made a multiple linear regression equation models as follows Variables:

1. BOPO with $t_{count} < t_{table}$ with a significance value of $0.000 < 0.05$. This means that H_0 rejected, H_a accepted. It is concluded that partially BOPO has a significant and negative effect on ROA. The increasing BOPO reflects the bank's lack of ability to reduce its operational costs, which can cause losses because banks are less efficient in managing their business. (Kurnia & Mawardi, 2012) concludes that BOPO has a significant and negative effect on bank performance proxy for ROA. The same study results are also supported by the research of (Nusantara, 2009), which shows that BOPO has a significant and negative effect on profitability. These studies are in line with this study, evidenced by a significant value of $0.000 < 0.05$, indicating that the greater the BOPO, the lower the bank's profitability. If banks run their operations efficiently by reducing BOPO, it is expected that costs will be reduced, which can increase income.
2. LDR variable with $t_{count} < t_{table}$ with a significance value of $0.021 < 0.05$. This means that H_0 rejected, H_a accepted. It was concluded that partially LDR had a significant and negative effect on ROA. (Dendawijaya, 2009), if the LDR is higher, the bank's profit will increase (assuming the bank can channel credit effectively) so that the bank's performance will improve. From hypothesis testing and data analysis that has been done in this research, it can be proven that LDR has a significant and negative effect on financial performance with a significance value of $0.021 < 0.05$. In line with the research of (Mahardian, 2008) and (Werdaningtyas, 2002), it shows that LDR has a significant and negative effect on profitability. In contrast to the theory, which states that the higher the LDR indicates, the greater the bank's profitability. This difference is caused by an increase in lending or withdrawing funds from the public, which impacts the bank's low liquidity, which has an impact on the loss of public confidence in the bank in the study year so that profitability decreases.
3. Leverage variable with $t_{count} < t_{table}$ with a significance value of $0.004 < 0.05$. Means that H_0 rejected, H_a accepted. It is concluded that partially leverage has a significant and negative effect on ROA. According to (Atmaja, 2008), the higher the leverage, the greater the company's opportunity to improve performance where leverage is used to fund assets in expansion and competitive advantage. However, leverage that is too high can be harmful to performance if the profits are not matched by the loan's interest payments. According to (Siamat, 2004), leverage in financing assets for lending ranges typically from 70%-80%. In this study, leverage has a significant and negative effect on banking financial performance, evidenced by a significance value of $0.004 < 0.05$. In line with the research of (Sunarto & Budi, 2009) that leverage has a negative effect on profitability. The difference between this research and the theory is that it is possible that in the research year it was not appropriate to increase leverage because it was not supported by the ability of creditors to repay funds and loan interest on time due to unstable economic conditions and high-interest rates at that time, making it less profitable for expansion—massive and lending.

4. Conclusions

From the results of research and hypothesis testing that has been done, the following conclusions can be drawn; Simultaneously, BOPO, LDR, and Leverage affect the Financial Performance of the Bank. The limitations in this study are as follows; The limitations of using BOPO, LDR, and Leverage variables with banking financial performance described in the regression model are 69.7%, while other variables outside the model explain the remaining 30.3%. Further research is expected to add other independent variables that are suspected of having a strong influence on banking financial performance, for example, the NIM variable, ATO.

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