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**The Influence of Net Interest Margin, Operating Costs With Operating Income, Loan To Deposit Ratio, Non Performing Loan And Capital Adequacy Ratio On Profitability (Case Study On Conventional National Private Bank Companies Listing On The Indonesian Stock Exchange Period 2019-2022)**

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# *ABSTRACT*

*Banking profitability, which in this research uses Return on Assets (ROA). This research aims to determine the effect of Net Interest Margin, Operational Costs and Operational Income, Loan to Deposit Ratio, Non-Performing Loans and Capital Adequacy Ratio on Profitability in conventional national private banking companies. The population for this research is conventional national private banking companies listed on the Indonesia Stock Exchange for the 2019-2022 period. The sampling technique used was the Purposive Sampling technique with 19 companies and the total data processed during 4 years of observation was 76 data. This research method uses panel data regression analysis using the Eviews 10 analysis tool. The results of this research are that Net Interest Margin, Loan to Deposit Ratio and Capital Adequacy Ratio have no effect on Return on Assets, while Operational Costs with Operating Income and Non-Performing Loans have a negative effect on Return on Assets.*

***Keywords: profitability, Net Interest Margin, Operating Costs with Operating Income, Loan to Deposit Ratio, Non Performing Loans and Capital Adequacy Ratio, Return on Assets***

# INTRODUCTION

In a country's economy, banking financial institutions have a very important role in increasing a country's economic growth. Banking is also considered to be the driving force of a country's economy because the function of the bank itself is very vital. Banking activities are to bring together parties who experience a shortage or need funds (borrowers) with parties who have excess funds (saver). Through credit activities, banks try to meet the community's needs for the smooth running of their business, while with fund storage activities, banks try to offer the community the security of their funds with other services that can be obtained. As time goes by, the functions and services provided by banks have become very diverse and make it increasingly easy to carry out transactions. This is intended so that banks can attract as many customers as possible. (Fauzan & Sutiono, 2017). The continuous development of banks requires every bank to improve its quality both in terms of service and business performance so that it can continue to be trusted in serving customer needs, carrying out banking activities and competing with other banking industries. The performance of a bank can determine whether or not the bank is able to compete in intense competition between banks.

Realizing the crucial role of banks, financial institutions are expected to always be in a healthy condition. Based on Bank Indonesia Regulation no. 13/1/PBI/2011, "Bank health is a reflection of the condition and performance of the bank as a means for supervisory authorities in determining the strategy and focus of supervision of banks". The Financial Services Authority (OJK) in the Indonesian Banking Statistics Report revealed that Bank Performance indicators in Indonesia can be reflected through several ratios. These ratios include Non Performing Loans (NPL), Capital Adequacy Ratio (CAR), Net Interest Margin (NIM), Loan to Deposit Ratio (LDR).

Every company, including banking companies, which are registered on the Indonesia Stock Exchange will publish their annual financial reports through their respective company websites or can be viewed through the Indonesia Stock Exchange website. From the published financial reports, information can be obtained regarding the financial performance of each company. Information regarding the company's financial performance is very useful for parties who need it such as shareholders, management, lenders and external parties who need it such as the government.

Measuring the financial performance of a bank can be done by looking at the bank's level of profitability. Return on Assets (ROA) is one of the indicators used to measure profitability. ROA is a ratio used to assess bank management's ability to obtain operating profits (Moorcy, 2020) . The development of banking financial performance in Indonesia, seen from Return on Assets (ROA), and the number of banks according to Indonesian Banking Statistics December 2022 published by the Financial Services Authority of the Republic of Indonesia can be seen in table 1.

# Tabel 1. Obtaining Return on Assets (ROA) and the Number of Conventional Banks in Indonesia

|  |  |  |  |
| --- | --- | --- | --- |
| **Bank Type** | **Period** | **ROA** | **Number of Banks in Indonesia** |
|
| Conventional Persero Commercial Bank | 2019 | 2,81% | 4 |
| 2020 | 1,43% |
| 2021 | 2,16% |
| 2022 | 3,05% |
| Conventional Regional Development Bank | 2019 | 2,15% | 26 |
| 2020 | 2,04% |
| 2021 | 2,03% |
| 2022 | 2,12% |
| Conventional National Private Bank | 2019 | 2,11% | 57 |
| 2020 | 1,56% |
| 2021 | 1,59% |
| 2022 | 2% |

Source: Statistik Perbankan Indonesia Desember (2022), www.ojk.go.id

In table 1. The highest average ROA value in the last four (4) years was obtained by Conventional Public Private Banks, followed by Conventional Regional Development Bank and lastly by Conventional National Private Banks. The average ROA value obtained in the last four years obtained by Conventional National Private Banks shows the lowest results between State-Owned Commercial Banks and Conventional Regional Development Bank. However, if we look at the number of banks in Indonesia based on the official website of the Financial Services Authority, Conventional National Private Commercial Banks have the largest number of banks compared to Persero Commercial Banks and Conventional Regional Development Bank. The second business phenomenon is a decrease in the average ROA of Conventional National Private Commercial Banks in 2020 by 0.55% from 2019. The existence of these two business phenomena makes this sector very interesting to research further.

Research conducted by Yulita (2020) states that NIM has a positive and significant effect on the Return on Assets (ROA) value. The higher the NIM value, the more effective the bank will be in placing productive assets in the form of credit. Productive assets themselves are assets that are capable of generating income which will also influence the profitability obtained by the bank. Research conducted by Dewi (2017) states that Net Interest Margin (NIM) has a negative effect on Return On Assets (ROA). One of the reasons is that the interest income obtained from lending is lower than the interest expense, resulting in a negative NIM value.

The higher the BOPO ratio value indicates the more inefficient the operational costs incurred by the banking company (Setyarini, 2020). Therefore, the BOPO value is expected to have a low value so that the company can be said to be efficient in carrying out its business activities. If the company can carry out its business activities efficiently, the higher the chance the company can make the desired profit (Putra & Rahyuda, 2021). The results of research conducted by Nanda et al. (2019) showed that the BOPO ratio partially had a positive effect on the performance of banking companies, in this case the ROA value. This is due to the standard BOPO ratio set by Bank Indonesia, namely 83-90%. These standards cause companies to have to make efforts to ensure that the company's BOPO ratio is within the set standards and the ROA ratio continues to increase from year to year.

The results of research conducted by Giri & Purbawangsa (2022) say that the Loan to Deposit Ratio (LDR) has a significant positive effect on Return on Assets (ROA). The increase in the value that occurs in the LDR will also increase the ROA value, in other words, the greater the LDR, the greater the ROA of a banking company. Banks that are able to channel credit obtained from public funds will be able to encourage an increase in company profits. Research conducted by Hernadi Moorcy (Moorcy, 2020) states that the Loan to Deposit Ratio (LDR) has a negative influence on Return on Assets (ROA). The greater the credit distribution, the greater the risk that must be borne. A high level of Loan to Deposit Ratio (LDR) will reflect a low level of liquidity and a high risk of bad credit. So even though the LDR value is high but there are bad loans, it will result in the LDR value not affecting the ROA value (Moorcy, 2020)

Based on research conducted by Grilseda & Riyadi (2021), Non-Performing Loans (NPL) have a positive and insignificant effect on Return on Assets (ROA). When NPL increases in value, ROA will also increase in value. In contrast to research conducted by Griselda and Riyadi, research conducted by Giri & Purbawangsa (2022)shows the results that Non-Performing Loans (NPL) have a negative effect on Return On Assets (ROA). If the NPL value increases, it will cause the ROA value to decrease. The greater the NPL value, the worse the quality of banking credit will be, which will cause the number of bad loans to also increase and result in a decrease in company profits.

Research conducted by Giri & Purbawangsa (2022) obtained results that the Capital Adequacy Ratio (CAR) had a significant positive effect on profitability, in this case the Return on Assets (ROA) ratio. These results indicate that a high CAR value will have an impact on increasing the ROA value of banking companies. A high CAR reflects the higher bank capital's ability to safeguard the possibility of risks arising from the company's business activities. High bank capital can also mean that the bank is able to expand its business well. Another research conducted by Pinasti (2018), showed the results that the Capital Adequacy Ratio (CAR) had a negative effect on profitability, in this case the Return on Assets (ROA) value. The results shown are due to regulations from Bank Indonesia which require banking companies to obtain a minimum CAR value of 8%. As a result, banking companies must provide reserve funds to meet the minimum requirements from Bank Indonesia.

# Hypotheses Development

**Return On Assets (ROA)**

Measuring the financial performance of a company can be done using various financial ratios. One of the financial ratios that is often used is the profitability ratio. Return on Assets (ROA) is one part of the profitability ratio which is used to measure how efficient the company's activities are and the company's ability to gain profits using the assets it owns (Nanda et al., 2019). If the company obtains a high Return on Assets (ROA) value, it will be a good sign or signal for investors. A high Return on Assets (ROA) value means that the company's financial performance is in good condition and will make investors interested in investing (Rifansa et al., 2022).Based on Bank Indonesia Regulation no. 13/1/PBI/2011 in (Rohmiati et al., 2019) the minimum Return on Assets (ROA) value that a company must obtain is 1.5%. This aims to fulfill obligations towards investors and to increase the attractiveness of investors and customers to invest capital. Obtaining a high ROA value will result in banking companies being able to provide credit to generate income (Riadi, 2018).

**Net Interest Margin (NIM)**

Net Interest Margin (NIM) is one of the ratios in calculating the profitability of a banking company which is calculated by comparing net interest income to average productive assets. This net interest income is calculated by the difference between the interest debt given to customers and the interest income received by the bank through credit activities (Ishak et al., 2022). In determining bank interest rates for both funding and lending, banking companies must set interest rates competitively and appropriately. A funding interest rate that is too low will reduce customers' interest in saving their money in the bank. On the other hand, if the funding interest rate is too high, it is also an inappropriate decision for the bank considering that the bank does not yet know for sure the interest income that the bank can obtain through transactions. lending. In determining lending interest rates, if the bank sets the interest rate too high it will reduce customers' interest in taking out credit at the bank concerned, on the other hand if the lending interest rate is too low it will also make it difficult for the bank to pay interest costs such as savings interest and deposit interest. The results of research conducted by Giri & Purbawangsa (2022) has a positive and significant effect on the financial performance of banking companies, which in this case is measured through the return value. on Assets (ROA).

H1: Net Interest Margin has a positive effect on Return on Assets

**Operating Costs with Operating Income (BOPO)**

Operational Costs with Operating Income (BOPO), which is an efficiency ratio, is one of the ratios used to analyze the performance of a company. This ratio is used to measure the level of comparison of operational expenses to operating income. This measurement aims to determine the level of efficiency and ability of the bank in carrying out its operational activities (Yulita, 2020). If a company's BOPO value is low, it shows that the management of the banking company has efficiently managed its operational activities. Efficient management of company activities is considered to be able to increase the profits of a banking company. Research conducted by Lestari & Setianegara (2020)shows the results that Operational Costs with Operating Income (BOPO) have a negative effect on a company's Return on Assets (ROA).

H2: Operational Costs and Operational Income have a negative effect on Return on Assets

**Loan to Deposit Ratio (LDR)**

Loan to Deposit Ratio (LDR) is one of the ratios used in banking companies to monitor the company's liquidity level. The liquidity referred to is the availability of cash funds to fulfill banking obligations such as withdrawing deposits or other operational activities. This ratio is used to measure the optimal amount of credit that a banking company can provide compared to the amount of customer deposits and own capital so that bank liquidity remains in good condition (Giri & Purbawangsa, 2022). The higher the Loan to Deposit Ratio (LDR) value indicates that the value of credit distributed to the public is also higher. The high level of credit distribution will open up opportunities for banking companies to earn income through credit interest given to customers and increase company profits. Apart from that, the Loan to Deposit Ratio (LDR) is one of the ratios used to assess the level of profitability of a banking company. If the LDR value of a banking company is high, it indicates that the bank's profitability level is also good. A good level of banking profitability will make the level of public trust in a banking company also high so that people will entrust their money to be deposited in the bank and can increase the profit of the banking company. The results of research conducted by Giri & Purbawangsa (2022) shows the results that the Loan to Deposit Ratio (LDR) has a positive influence on the company's Return on Assets (ROA).

H3: Loan to Deposit Ratio has a positive effect on Return on Assets

**Non Performing Loan (NPL)**

The main activities of banking companies are funding (collecting funds) and lending (distributing funds). In lending activities, banking companies face a risk, namely credit risk. According to Fahmi in (Mosey et al., 2018) credit risk is the risk resulting from the customer's failure or inability to repay the loan amount obtained from the company along with the interest according to the agreed time period. Credit distribution carried out by banking companies has one aim, namely earning income through credit interest given to customers which will later increase the profit or profits of banking companies. If the NPL ratio shows a high figure, indicating that the problem loans experienced by the bank are also high, this will result in the company's profit not being maximized. The results of research conducted by Giri & Purbawangsa (2022) show that Non-Performing Loans (NPL) have a negative influence on the company's Return on Assets (ROA).

H4: Non-Performing Loans have a negative effect on Return on Assets

**Capital Adequacy Ratio (CAR)**

The Capital Adequacy Ratio (CAR) or also commonly referred to as the Minimum Capital Adequacy Ratio (KPMM) is a ratio that describes how a banking company is able to finance its operational activities with the capital it has (Yulita, 2020). The higher the Capital Adequacy Ratio (CAR) of a banking company, it indicates that the better the capital adequacy the company has to carry out its operational activities. If the CAR value is high, it indicates that the banking company has a greater opportunity to generate profits. This is because if the company has sufficient capital, the company management can freely place its funds into investment activities which will later increase the company's profits. Apart from that, with sufficient capital, company management can expand products and services with the aim of increasing profits.

H5: Capital Adequacy Ratio has a positive effect on Return on Assets



**Picture 1.** Frame Of Mind

Source: data diolah peneliti (2024)

# METHOD

The type of research in this research is quantitative research. This research uses the dependent variable profitability is calculated using return on assets, with independent variables net interest margin, operational costs and operating income, loan to deposit ratio, non-performing loan and capital adequacy ratio.

**Table 2.** Operational Definition Of Variables

|  |  |  |
| --- | --- | --- |
| **Variable** | **Definition** | **Formula** |
| Return on Assets | Return on Assets (ROA) is one part of the profitability ratio which is used to measure how efficient the company's activities are and the company's ability to gain profits using the assets it owns. (Nanda et al., 2019) | $$ROA=\frac{Laba Sebelum Pajak}{Total Aset} X 100 \%$$Sumber : Surat Edaran Bank Indonesia No 13/30/DPNP |
| Net Interest Margin | Net Interest Margin (NIM) is a ratio in calculating the profitability of a banking company which is calculated by comparing net interest income to average productive assets. (Ishak et al., 2022) | $$NIM=\frac{Pendapatan Bunga Bersih}{Rata-Rata Aset Produktif} X 100 \%$$Sumber : Surat Edaran Bank Indonesia No 13/30/DPNP |
| Operational costs and Operating income | Operational Costs to Operating Income (BOPO) is a ratio used to measure the level of comparison of operational expenses to operating income. This measurement aims to determine the level of efficiency and ability of the bank in carrying out its operational activities. (Yulita, 2020) | $$BOPO=\frac{Total Biaya Operasional }{Total Pendapatan Operasional} X 100 \%$$Sumber : Surat Edaran Bank Indonesia No 13/30/DPNP |
| Loan to Deposit Ratio | Loan to Deposit Ratio (LDR) is one of the ratios used in banking companies to monitor the company's liquidity level. The liquidity referred to is the availability of cash funds to fulfill banking obligations such as withdrawing deposits or other operational activities.(Giri & Purbawangsa, 2022) | $$LDR=\frac{Total Kredit }{Total Dana Pihak Ketiga} X 100 \%$$Sumber : Surat Edaran Bank Indonesia No 13/30/DPNP |
| Non Performing Loan | Non-Performing Loans (NPL) is a ratio between total non-performing loans and total credit provided by the bank. Obtaining this ratio shows the bank management's ability to manage problem loans. (Rohmiati et al., 2019) | $$NPL=\frac{Kredit Bermasalah }{Total Kredit} X 100 \%$$Sumber : Surat Edaran Bank Indonesia No 13/30/DPNP |
| Capital Adequacy Ratio | The Capital Adequacy Ratio (CAR) or also commonly referred to as the Minimum Capital Adequacy Ratio (KPMM) is a ratio that describes how a banking company is able to finance its operational activities with its capital ownership.(Yulita, 2020) | $$CAR=\frac{Modal }{Aset Tertimbang Menurut Risiko} X 100 \%$$Sumber : Surat Edaran Bank Indonesia No 13/30/DPNP |

This research uses secondary data in the form of annual reports of national foreign exchange private banking companies listed on the IDX for the 2019-2022 period. Population that taken, namely all 57 national foreign exchange private banking companies listed on the IDX for the 2019-2022 period company. The sampling technique used is purposive sampling with the following criteria:

1. Conventional National Private Bank registered with the Financial Services Authority for the 2019-2022 period
2. Conventional National Private Banks listed on the Indonesia Stock Exchange for the 2019-2022 period
3. The Conventional National Private Bank publishes an annual report for the 2019-2022 period.
4. The Conventional National Private Bank made a profit during the 2019-2022 period.

From the results of these criteria, 19 companies were obtained with an observation period of 4 years so the amount of data processed is 76 companies. Data analysis methods use descriptive statistics, model selection tests, classical assumption tests, panel data regression analysis and hypothesis testing. In this study, the authors used the EViews 10 program to process the data.

# RESULTS AND DISCUSSION

**Descriptive Statistics**

The following are the results of descriptive statistical tests:

**Table 3**. Descriptive Statistical Test

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variabel** | **N** | **Minimum** | **Maksimum** | ***Mean*** | ***Std. Deviation*** |
| NIM | 76 | 1,8100 | 81,9900 | 29,7967 | 14,0492 |
| BOPO | 76 | 37,1300 | 135,4300 | 80,4732 | 17,6350 |
| LDR | 76 | 29,6700 | 163,0600 | 83,8784 | 25,7449 |
| NPL | 76 | 0,1400 | 8,1600 | 2,6800 | 1,7102 |
| CAR | 76 | 11,1300 | 106,1000 | 28,3746 | 13,6835 |
| Profitabilitas (ROA) | 76 | 0,0400 | 4,1600 | 1,3692 | 1,1195 |

Source: Secondary data processed with Eviews 10 application (2024)

Based on the results of descriptive statistics, it shows that the minimum Net Interest Margin (NIM) variable was obtained by PT Bank Mayapada Internasional, Tbk in the 2020 period of 1.8100 and the maximum value was also obtained by PT Bank Mayapada Internasional, Tbk in the 2022 period of 81.9900.In the Operating Costs with Operating Income (BOPO) variable, the minimum was obtained by PT Bank Central Asia, Tbk in the 2022 period of 37.1300 and the maximum value obtained by PT Bank Danamon Indonesia, Tbk in the 2021 period of 135.4300.In the minimum Loan to Deposit Ratio (LDR) variable obtained by PT Bank Ina Perdana, Tbk in the 2021 period of 29.6700 and the maximum value obtained by PT Bank BTPN Tbk in the 2019 period of 163.0600.The minimum Non Performing Loan (NPL) variable obtained by PT Bank OCBC NISP Tbk in the 2022 period was 0.1400 and the maximum value obtained by PT Bank Sinarmas, Tbk. in the 2022 period was 8.1600. The minimum Capital Adequacy Ratio (CAR) variable obtained by PT Mayapada Internasional, Tbk in the 2022 period amounted to 11.1300 and the maximum value obtained by PT Bank Ganesha, Tbk. in the 2022 period amounted to 106.1000. In the minimum Return on Assets (ROA) variable obtained by PT Mayapada Internasional, Tbk in the 2022 period of 0.0400 and the maximum value obtained by PT Mestika Dharma, Tbk in the 2021 period of 4.1600.

The average value of the dependent and independent variables is greater than the standard deviation, which means that the distribution of data is homogeneous, indicating that the data between banking companies is not much different from one another.

**Model Selection Tests**

**Chow Test**

**Table 4.** Chow Test Results

|  |  |  |
| --- | --- | --- |
| ***Effects Test*** | ***Statistics*** | ***Prob.*** |
| *Cross-section* F | 10,7559 | 0,0000 |

Source: Secondary data processed with Eviews 10 application (2024)

Based on the chow test results, the probability value of the F statistic is 0.0000, which means <0.05 significance level. So from these results it can be concluded that the right model to choose is the fixed effect model.

**Hausman Test**

**Table 5.** Hausman Test Results

|  |  |  |
| --- | --- | --- |
| ***Effects Test*** | ***Chi-Square Statistics*** | ***Prob.*** |
| *Cross-section random* | 10,1678 | 0,0706 |

Source: Secondary data processed with Eviews 10 application (2024)

Based on the results of the Hausman test, the probability value of the Chi-Square statistic is 0.0706, which means> 0.05 significance level. So from these results it can be concluded that the right model to choose is the random effect model.

**Breusch-Pagan Lagrange Multiplier Test**

**Table 6**. Breusch-Pagan Lagrange Multiplier Test Results

|  |  |  |
| --- | --- | --- |
|  | *Period One-Sided* | *Both* |
| *Breusch-Pagan* | 0,3383(0,5608) | 37,4196(0,0000) |

Source: Secondary data processed with Eviews 10 application (2024)

Based on the Breusch-Pagan Lagrange Multiplier Test results, it shows that the Breusch-Pagan Lagrange Multiplier probability value is 0.0000, which means <0.05 significance level. So from these results it can be concluded that the right model to choose is the random effect model.

**Classical Assumption Test**

**Normality Test**



**Picture 2.** Histogram of Normality Test Before Data Transformation

Source: *output Eviews* 10 (2024)

Based on Figure 2, it can be seen that the Jarque-Bera probability value is 0.0138 <0.05 significance level, so it can be seen that the data in this study are not normally distributed. Research data that is not normally distributed can be treated by transforming the data. The data transformation used by researchers is the use of logarithms so that the normality test histogram output is obtained as follows:

**Picture 3.** Histogram of Normality Test After Data Transformation

Source: *output Eviews* 10 (2024)

Based on Figure 3, it can be seen that after transforming the data using the natural logarithm, the Jarque-Bera probability value becomes 0.0528 > the significance level of 0.05, meaning that the data in the study is normally distributed.

**Heteroskedasticity Test**

Heteroscedasticity test is conducted if in the model selection test, the selected model is common effect or fixed effect. In this study, the selected model is a random effect model so that no heteroscedasticity test is required.

**Panel Data Regression Analysis**

From the test results to choose the right estimation regression model, the results show that the random effect model is the right estimation regression model to use in this study. The following is the panel data regression equation formula:

Y = 3,7640 + 0,0021 (X1) - 0,0291 (X2) + 0,0023 (X3) - 0,1113 (X4) – 0,0004 (X5)

**Hypothesis Testing**

**Test Coefficient of Determination (R2)**

**Table 7**. Determination Coefficient Test Results

|  |  |
| --- | --- |
| *Adjusted R Squared* | 0,3609 |

Source: Secondary data processed with Eviews 10 application (2024)

It can be seen from table 7 that the coefficient of determination test results show that the Adjusted R Squared value is 0.3609 or 36.09%. This can be used as an indication that the independent variables, namely Net Interest Margin (NIM), Operating Costs with Operating Income (BOPO), Loan to Deposit Ratio (LDR), Non Performing Loan (NPL) and Capital Adequacy Ratio (CAR) can explain the dependent variable, namely profitability which in this study is measured using Return on Assets (ROA) by 36.09%. Meanwhile, the remaining 63.91% is influenced by other variables not explained in this study. Meanwhile, the remaining 63.91% is influenced by other variables not explained in this study.

**F Test**

**Table 8**. F Test Results

|  |  |
| --- | --- |
| *F-Statistic* | 9,4719 |
| Prob (*F-Statistic)* | 0,0000 |

Source: Secondary data processed with Eviews 10 application (2024)

It can be seen from table 8 of the F test results that the value of the F-Statistic is 9.4719 and the probability value (F-Statistic) is 0.0000. The probability value (F-Statistic) is smaller than the significance level of 0.05 so that it can be concluded that simultaneously the independent variables, namely Net Interest Margin (NIM), Operating Costs with Operating Income (BOPO), Loan to Deposit Ratio (LDR), Non Performing Loan (NPL) and Capital Adequacy Ratio (CAR) have a significant effect on the dependent variable, namely profitability which in this study is measured using Return on Assets (ROA). In addition, from the results of the F test, another conclusion can be drawn that all independent variables in this study can be said to be feasible to be used as a predictive function of the dependent variable.

**T Test**

**Table 9**. T Test Results

|  |  |  |  |
| --- | --- | --- | --- |
| **Hypothesis** | **Coefficients (β)** | **Prob.** | **Description** |
| H1 : Net Interest Margin has a positive effect on Return on Assets | 0,0021 | 0,6702 | rejected |
| H2: Operating Expenses with Operating Income has a negative effect on Return on Assets | -0,0291 | 0,0000 | accepted |
| H3 : Loan to Deposit Ratio has a positive effect on Return on Assets | 0,0023 | 0,5427 | rejected |
| H4 : Non Performing Loan has a negative effect on Return on Assets | -0,1113 | 0,0285 | accepted |
| H5 : Capital Adequacy Ratio has a positive effect on Return on Assets | -0,0004 | 0,9248 | rejected |

Source: Secondary data processed with Eviews 10 application (2024)

# CONCLUSION AND SUGGESTIONS

Net Interest Margin has no effect on profitability. This means that any increase or decrease in the value of the NIM variable, will not affect the profitability of the company which in this study is measured using Return on Assets (ROA). This happens because the acquisition of good net interest income, but not balanced by reducing operating expenses outside of interest expense and optimizing operating income outside of interest income will result in NIM not affecting the acquisition of ROA of banking companies.

Operating Costs with Operating Income have a negative effect on profitability. This means that any increase in the value of the BOPO variable will cause a decrease in profitability, which in this study is measured using Return on Assets (ROA). This is because the more the company's management is able to reduce the operational costs that the company must incur, it will increase the company's net profit.

Loan to Deposit Ratio has no effect on profitability. This means that any increase or decrease in the value of the LDR variable will not affect the profitability of the company which in this study is measured using Return on Assets (ROA). This is because the maximum and minimum LDR limits that must be obtained by the company have been set by Bank Indonesia so that the company must fulfill these provisions. In addition, there are many components in calculating the company's total assets so that whatever the amount of credit channeled by banking companies does not affect the company's total assets as long as the company is able to optimize other company assets.

Non Performing Loan has a negative effect on profitability. This means that any increase in the value of the NPL variable will cause a decrease in profitability, which in this study is measured using Return on Assets (ROA). This happens because if the acquisition of NPL is high, it indicates that the non-performing loans of banking companies are also high which results in the company's profitability not being maximized.

Capital Adequacy Ratio has no effect on profitability. This means that any increase or decrease in the value of the CAR variable, will not affect the profitability of the company which in this study is measured using Return on Assets (ROA). This is because regardless of the acquisition of CAR obtained by banking companies as long as banking companies cannot optimally and effectively manage their capital, which will increase profitability, the acquisition of CAR has no effect on the profitability of banking companies.

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