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ABSTRAK

Banking is an institution that is very regulated by the government and even has to follow regulations issued by the Basel Committee on Banking Supervision (BCBS) which regulates banking in the world. According to Basel III, banks must provide capital reserves called capital buffers. The purpose of this study is to examine the factors that determine capital buffer. Factors thought to affect the capital buffer studied consisted of profitability (ROA), non-performing loans (NPL), loan to deposit ratio (LDR), capital adequacy in the previous period (CAR₁₋₁), net interest margin (NIM) and ratio of operations expenses to operating income (OER). The population in this study is conventional bank listed on the Indonesia Stock Exchange as many as 42 banks, with a sample of 40 banks taken by pugosive sampling method with an observation period of 4 years with quarterly data (2016-2019). To test the hypothesis, regression panel data is used with the help of e-views. After being tested, it turns out that the fixed effect model is better than the commod effect and random effect. The result of the study with fixed effect models show ROA, NPL, OER significantly and negatively affect capital buffer. CAR has a positive and significant effect on capital buffer while LDR and NIM does not affect capital buffer.

Keyword:

capital buffer, non performing loan, loan to deposit ratio, net interest margin, capital adequacy ratio

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Background

Banking institutions are very fundamental institutions for the operation of the economic system, especially because of their role as financial intermediaries (Distinguin et.al, 2012). Banking institutions play a role in mobilizing funds from the public with excess funds or surplus units to be distributed to people who need funds or a deficit of funds. Eliskovski (2013) also agrees at banks occupy an important position in the modern financial sector. Most of the sources of bank funds come from the public, so that in operating the bank must comply with regulations, supervision and control by the government through the financial services authority (OJK). One of the most important elements that must be regulated by the government is bank capital, because capital is a key element in maintaining their solvency

To support a strong and healthy and stable financial system, financial regulators determine regulations related to the adequacy of bank capital. As stated by Bayuseno and Chabahib (2014) that the capital adequacy regulation was adopted from the Basel Committee on Banking Supervision, namely BASEL III and III. In the Basel agreement, a minimum capital adequacy ratio (CAR) is set at 8 percent. BASEL III also requires banking institutions to have a capital buffer to deal with the various risks it faces.

Until 2019, almost all European countries have set a minimum capitalization of 10.5%. This capital includes a capital buffer, meaning that with a capital adequacy ratio (CAR) of 8%, there is a reserve of 2.5% as a capital buffer (Distinguin, et.al., 2012). There are even those who are more careful, such as in Switzerland, where the capital that must be provided is 19%, whereas 9% is placed in government bonds which are considered the safest

Deputy Commissioner for Banking Supervision of the Financial Services Authority (OJK), Irwan Lubis, said that banks in Indonesia will gradually form additional capital in the form of capital conservation buffers, countercyclical buffers, and capital surcharges for banks that are included in the list of domestic systemically important banks (DSIB). The amount of capital conservation buffer is set at 2.5% of risk weighted assets and the countercyclical buffer is in the range of 0% -2.5% of risk weighted assets. Specifically for DSIB, the regulator stipulates an additional capital surcharge of 1% -2.5% of the RWA (Bisnis Indonesia, 31 December 2015)

Capital buffer is defined as the excess difference between the capital adequacy ratio (CAR) owned by banks and the minimum bank capital requirements imposed by regulators (Braslinsa & Arefjevsb, 2014). Capital buffer can be a protector that can absorb vario (15) risks that may arise (Wong, et al. 2005). In Bank Indonesia's explanation, capital buffer is additional capital that functions as a buffer to anticipate losses in the event of excessive credit growth and / or bank credit, which has the potential to disrupt finantal system stability.

Capital buffer is very important for banks to face various risks and economic shocks that occur at any time. The higher the capital buffer, the stronger the bank, and it is hoped that the public will have more trust in the bank, which in the end they will take advantage of the bank's services. There are several factors that affect the capital buffer, including the level of profitability, credit risk, previous CAR, bank liquidity requirements, and bank efficiency as measured by OER (Maureen & Toivanen, 2012).

Bank profitability affects the capital buffer because the higher the bank's profit, the more it provies an opportunity to increase the capital buffer, because part of the profit earned will be set aside as retained earnings and will be accumulated in its own capital, thereby increasing the capital buffer. Like the findings of Belem & Gartner (2013) in Brazil and Haryanto (2015) in Indonesia, that profitability affects the capital buffer. However, the findings of Noreen et.al (2016) found a significant and negative effect between profitability as measured by ROA on capital buffer.

Non-performing loans (NPLs) reduce profits because they will become costs and reduce profits. The higher the NPL, the more likely it will reduce profits and even cause losses. This loss must be covered with capital, thereby reducing bank capital and having an impact on reducing the capital buffer. The results of research by Zhu & Chen (2016) found that in China NPL has a negative effect on capital buffer, while Al-Tamini & Obeidat (2013) in Jordan found NPL does not affect capital buffer. On the other hand, Bayuseno & Chabahib (2014) found a positive influence between credit risk as measured by NPL and capital buffer.

Islamic bank liquidity as measured by the Loan to Deposit Ratio (LDR) shows the higher the LDR, the higher the credit given. With the higher the LDR, the higher the bank's income, which

in turn will acrease the bank's capital. The results of research by Zhu & Chen (2016) show that in China LDR has a positive effect on capital buffer. Likewise, Belem and Gartner (2013) also found a significant effect between LDR and capital buffer. Meanwhile, Bayuseno & Chabahib (2014) and Haryanto (2015) found an insignificant effect on LDR and capital buffer.

The capital adequacy ratio (CAR) in the previous period also triggered the high and low capital buffer. If the CAR in the previous period was high, the capital buffer it had could be maintained high in order to maintain its performance in accordance with government regulations. However, if the CAR in the previous period was low, the capital buffer would also be low, however, banks can try to increase their capital buffer. The results of research by Wang & Ke (2012) in America and Bayuseno & Chabahib (2014) in Indonesia found that the effect of the previous CAR with a capital buffer had a positive effect. Meanwhile, the research results of Belem & Gartner (2013) found a negative effect between CAR_{t-1} on capital buffer. Meanwhile, Jaseviciene & Jurksaityte (2014) found insignificant effects.

Bank management must be able to control Net Interest Margin (NIM), because NIM is an indicator used to determine the ability of bank management in managing productive assets so that it can generate net income. The greater the NIM ratio will affect the increase in bank income obtained from productive assets managed by the bank properly. The higher the NIM will be able to increase the capital buffer, because it shows the bank's profits are getting bigger so that it can increase the capital buffer. Mili et.al (2014) found a positive influence between NIM and CAR, while Raharjo et.al (2014) found that NIM had no effect on CAR.

Bank management is also required to work efficiently, namely being able to reduce operational costs to a minimum. Bank efficiency is measured by the ratio between operating costs and operating income (OER). This ratio is to measure the level of efficiency and the ability of the bank to carry out its operational activities. OER, also often called the efficiency ratio, is used to measure the ability of bank management to control operating costs against operating income. The smaller the ratio, the more efficient the operational costs incurred by the bank concerned. It is hoped that low OER will be able to generate a higher level of profit, so that it can be used to increase the bank's capital buffer. However, Haryanto (2015) research in Indonesia and Al-Tamimi & Obeidat (2013) actually found an insignificant effect on capital adequacy.

HYPOTHESIS DEVELOPMENT

Profitability against capital buffer

The purpose of the company is to make a profit and some of the profits are used to pay dividends and partially as retained earnings. To measure a company's ability to generate profits, you can use the Return On Assets ratio. Al-Tamimi & Obeidat (2013), Return on Assets which represents all assets owned by a bank and its ability to generate profits over a certain period of time, in other words, it explains the extent to which the bank has successfully invested its assets and its efficiency in directing it towards a profitable investment opportunity. The higher the profit the greater the retained profit. Retained earnings will increase their own capital, so that the higher the retained profit will increase the amount of own capital. Thus, the high profit will increase the capital buffer. Belem & Gartner (2013) in Brazil with the results of research between prelitability and capital buffer positive and significant effect. Wang & Ke (2012) in America found a positive ROA effect on capital buffer. Haryanto (2015) and Hengkeng et al (2018) who conducted a study in Indonesia also found the same thing.

H₁: Profitability (ROA) has a positive effect on capital buffer

The effect of non performing loans on the capital buffer

The indicator used to determine the credit risk of a bank is the 15 n Performing Loan. Effendi (2018) say that Non-Performing Loans are a comparison between non-performing loans to total loans. Non-Performing Loans are a reflection of credit risk, namely the risk due to failure of debtors and / or other parties in fulfilling obligations to banks (Panuntun & Sutrisno, 2019). High credit risk can hinder bank operations and growth, this happens because bad credit or high credit defaults will require larger funds to finance bank operations. High credit risk means that the capital buffer that the bank must provide is getting bigger. A large non-performing loan indicates a bad bank performance because the possibility of a bank experiencing greater losses. Banks with high non-performing loans tend to be inefficient. High Non-Performing Loans indicate bank failure in operations, because Non-Performing Loans will reduce profits and even cause losses. If the bank experiences a loss, the loss can eat away at its own capital, which results in a decreased capital ratio and ultimately a lower capital buffer. If a bank with a high NPL and experiences a loss the loss will reduce its own capital. Zhu & Chen (2016) in China, found that in China NPL has a negative effect on capital buffers. Meanwhile Al-Tamimi & Obeidat (2013) found that NPL had no effect on capital buffer

H₂: Non performing loans (NPL) have a negative effect on the capital buffer

Effect of Loan to deposit ratio on capital buffer

Loan to Deposit Ratio is a ratio used to measure bank liquidity. Bank liquidity is a bank's ability to meet customer needs in the form of cash or credit. Loan to Deposit Ratio, the ratio between loans and third party funds (Effendi, 2018). The higher the Loan to Deposit Ratio, the higher the credit given. The higher the credit provided by the bank, the bank must be able to provide a higher source of funds. On the contrary, the smaller the Loan to Deposit Ratio, the higher the third party funds that are not used for credit placement. So that in this case many funds are idle or not used. The main income of a bank comes from credit, so the higher the credit, the higher the come, which in turn will increase profits. So that the higher the Loan to Deposit Ratio, the higher the capital buffer. Belem and Gartner (2011) and Haryanto (2015) found that liquidity risk as measured by the Loan to Deposit Ratio has a positive effect on capital buffer

H₃: Loan to deposit ratio (LDR) has a positive effect on capital buffer

The Influence of Capital Adequacy Ratio on capital buffer

Capital Adequacy Ratio is a ratio used to measure the capital adequacy capacity of a bank. Tangngisalu et.al (2020), Capital Adequacy Ratio (CAR) is a ratio that shows the ability of bank capital to bear the risk of financing failure that may occur, a high Capital Adequacy Ratio, indicating that banks have sufficient and healthy funds and vice versa. Low Capital Adequacy Ratio, the possibility that the risk of failure in 3ank financing will be higher (Dao et.al, 2020). Based on Bank Indonesia Regulation Number 15/12/PBI/2013, banks are required to provide a minimum capital of 8% of risk weighted assets. Capital buffer is reserve capital to anticipate a lack of capital adequacy. To find the capital buffer is to subtract the CAR available from the minimum CAR. Thus, if the capital adequacy ratio is high, the capital buffer will be high, conversely, if the capital adequacy ratio in the previous period was low, the capital buffer will be low. Wang and Ke (2012) found a significant effect between CAR-1 and capital buffer. Likewise, Masood and Zulfiqar (2016) who conducted a study in Pakistan found a significant effect between CAR and capital buffer.

H₄: Capital Adequacy Ratio (CAR_{t-1}) has a positive effect on capital buffer

The effector Net Interest Margin on the capital buffer

To measure the ability of bank management to generate net interest in me, namely the Net Interest Margin ratio. Net Interest Margin is a financial reflection of a bank and is defined as net interest income divided by the bank's average earning assets. Net interest income is bank interest income minus interest costs (Raharjo, 2014). The ability of bank management to manage its earning assets to earn net interest as measured by the Net Interest Margin ratio Net interest income is obtained from interest income less interest expenses (Hengkeng, 2018). The quality of bank management is proxied by the Net Interest Margin ratio, a variable that affects the size of the capital buffer. NIM is used to measure management's ability to generate net interest income divided by productive assets. Net Interest Margin reflects the capital buffer. Mili et al (2016) and Raharjo et al (2014) found that Net Interest Margin has a positive effect on capital adequacy.

H₅: Net Interest margin (NIM) has a positive effect on capital buffer

The effect of operating costs on operating income on capital buffer

One of the important aspects in banking is efficiently in order to increase the level of bank profits (Banna, et.al, 2017). In the very tight competition in the banking industry, the advantage of efficiency is highly recommended. Efficiency is measured by operating costs to operating income (OER), meaning that the higher this ratio the more inefficient bank operations are. OER is a comparison between operating costs and operating income. To measure whether the bank management has used all production factors effectively and efficiently. Operating costs to operating income ratio (OER) are high indicating the large amount of operating costs, so they require more funds (Haryanto, 2015). The more efficient the bank will be able to increase profits which in turn can increase the capital buffer. As disclosed by Raharjo, et.al (2014) who found a positive influence between OER and capital buffer.

H₆: operating costs on operating income have a positive effect on capital buffer

RESEARCH METHOD

Population and sample

The population in this study were 42 conventional banks operating in Indonesia and listed on the Indonesia Stock Exchange. The sampling method used was purposive sampling method, namely taking samples with special characteristics or certain criteria to answer research problems, and obtained as many as 40 banks. The fundraising period was 4 years with quarterly data, in order to obtain 640 research data.

Research variable

In this study, there is one dependent variable, name the capital buffer (BUFF) and six independent variables consisting of profitability (ROA), non-performing loans (NPL), loan to deposit ratio (LDR), and the previous capital adequacy ratio (CARt-1), net interest margin (NIM) and the ratio of operating expenses to operating income (OER). Here are the measurements of the variables:

Table 1: variable Measurement			
Variable	Notation	Measurement	
Dependent, Variable:			

Capital Buffer	BUFF	CAR available - CAR minimum
Indepenedent Variable:		
Profitability	ROA	EAT/Total Assets
Nen 74 forming Loan	NPL	Non perform Loan/Total Loan
Lon to Deposit Ratio	LDR	Total Loan/Third Party Funds
Capital Adequacy Ratio previous period	CAR _{t-1}	Equity _{t-1} /Assets bared Risk _{t-1}
Net Interset Margin	NIM	Interest Income/Produktive Assets
Operating Expenses to Income ratio	OER	Operating Expenses/Operating Income

Data analysis

This study measures the factors that influence the capital buffer in conventional banks in Indonesia. Because the data is panel data where there are 40 banks with a period of 4 years on a quarterly basis. The panel regression model is as follows:

$$BUFF_{it} = \beta_0 + \beta_1 ROA_{it} + \beta_2 NPL_{it} + \beta_3 LDR_{it} + \beta_4 CAR_{t-1it} + \beta_5 NIM_{it} + \beta_6 OER_{it} + \epsilon_{it}$$

RESEARCH RESULT

Descriptive Statistics

From a sampl₁₃) of 40 conventional banks on the Indonesia Stock Exchange with quarterly data for four years, descriptive statistics are obtained as in Table 2 below:

Table 2: Descriptive State	istics				
	N	Minimum	Maximum	Mean	Std. Deviation
BUFF	640	0.01	140.28	14.0914	9.8844
ROA	640	-20.19	4.68	1.0068	2.3688
NPL	640	0.00	10.93	2.0452	1.3379
LDR	640	9.49	171.32	85.7540	14.6014
CAR_{t-1}	640	8.01	76.42	20.8606	7.5579
NIM	640	0.00	11.97	4.7761	1.6759
OER	640	58.24	432.73	90.9497	26.6616
Valid N (listwise)	640				

Note: The number of observatioan is 640 consisting 40 convensional bank and covering

2016 Q1 - 2019Q4

Based on table 2, the capital beffer has a minimum value of 0.01%, which means that there are banks operating below the minimum requirements. However, in general the capital buffer is very good because the average value of 14.09% is still far above the requirement. In terms of profitability, the bank's performance has shown poor performance, because the average price is 1.01% and some banks even experience losses until the minimum ROA is minus 20.19%. Non-performing 10 ans (NPLs) are generally very good below the 5% maximum requirement because they have an average value of 2.05%, with a minimum value of 0.00%, but there are banks that still have very high NPLs with a maximum value of 10.93%. The credit given, which is indicated by the LDR is very good because the average is 85.75% is still in the ideal range, but there are

banks that provide too large credit with a maximum value of 171.32%, but there are banks that are not able to channel credit properly so that the minimum value is only 14.60%.

The previous capital adequacy ratio (CARt-1) showed a minimum value of 8.01%, meaning that it has a mediocre CAR because the minimum CAR is 8%, but overall bank capital is very good because the average value 10 20.86%, there are even banks that have CAR up to 76.42%. The net interest margin (NIM) has an average value of 4.78% with a minimum value of 0.00% and a maximum value of 11.97%. Meanwhile, OER, which is an indicator of operational efficiency, has an average value of 90.95%, meaning that it is still efficient, especially since there are banks that have a minimum OER of 58.24%. However, there are banks that operate with very high operating expenses of 432.73% as shown in the minimum OER value.

Hypothesis Test Results

To test the hypothesis, panel data regression analysis is used, therefore there are steps in determining the best model between the common effect (pool), fixed effect or random effect model. The following are the results of calculations using the e-Views of each model.

Table 3: Determinant of Capital Buffer (BUFF)

Variable	Pooled	Fixed	Random
C	24.0731	46.7499	25.0417
	5.5537	6.4607	4.9744
ROA	-3.3908	-3.8219	-3.4258
	0.617078***	0.603672***	0.603672***
NPL	-1.0349	-2.2082	-1.0948
	0.271***	0.603672***	0.245437***
LDR	-0.0387	-0.0146	-0.0395
	0.021407*	0.0322	0.019523**
CAR_{t-1}	0.7163	0.1609	0.6946
	0.041932***	0.05855***	0.03813***
NIM	0.8820	-0.0898	0.8790
	0.232503***	0.4484	0.212204***
OER	-0.2231	-0.2856	-0.2261
	0.051991***	0.049686***	0.046286***
R-Square	0.39438	0.55504	0.373338
N	840	840	840
F-test	0.0000	0.0000	0.0000
Chi test			0.0000

Note: ***, **, * denote significant 1%, 5%, and 10% respectively

N is the number of observation



The first step in 11 nel data regression is to choose between common effect and fixed effect models. By using the Chow test, the results of the fixed effect model are better than the common effect. The second step is to choose between the common effect model and the random effect with the Lagrange Multiplier test, which results in a better random effect model. Furthermore, the third

step is choosing the best model between the fixed effect and the random effect using the Hausman test. The Hausman test results show that the fixed effect model is better than the random effect model. Thus, what will be used for further discussion is the results of hypothesis testing based on the fixed effect model.

Based on table 3 above, the profitability variable has a significant but negative effect on capital buffer with a significance level of 1%, meaning that the hypothesis which states that profitability has a positive effect on capital buffer is not proven. The non-performing loan (NPL) variable has a significant and negative effect on the capital buffer with a significance level of 1%, meaning that the hypothesis is proven. Meanwhile, the loan to deposit ratio (LDR) has no effect on the capital buffer.

The previous period's Capital Adequacy ratio (CARt-1) had a positive and significant effect with a significance level of 1%, so the hypothesis that CARt-1 had a positive effect on capital buffer was proven. Net interest margin (NIM) has no effect on the capital buffer. Meanwhile, OER has a significant effect but has a negative effect on the capital buffer, meaning that the hypothesis is proven

DISCUSSION

Profitability is an indicator of management's performance in managing the company, if the profitability is high, the bank's performance is very good and the company is able to set aside a portion of the profit to be reinvested. The retained earnings will increase capital adequacy which turn will increase the capital buffer. However, in reality, profitability has a negative effect, meaning that an increase in profitability will reduce the capital buffer. This is probably due to the profit rate (ROA) of conventional banks on average very snell, namely only 1%, and some banks even experience losses of up to 20%. These results confirm the results of research by Masood and Zulfiqar (2016); Noreen et.al (2016); and Al-Tamimi and Obeidat (2013) who found a significant and negative effect between profitability as measured by ROA on bank capital ratios. Likewise, the research results of Jaseviciene and Jurksaityte (2014) also found a significant and negative effect between profitability and the capital adequacy ratio. On the other hand, research conducted by Belem and Gartner (2013) in Brazil and Haryanto (2015) in Indonesia found that profitability has an effect on capital buffers

Credit risk as measured by non-performing loans (NPL) shows that the higher the loss will be to the bank. Therefore, every bank will try to reduce the NPL as low as possible so that the company does not suffer losses. NPL has a significant and negative effect on the capital buffer, meaning that the higher the NPL, the lower the capital buffer. This is because NPLs have the potential to reduce profits so that they can reduce bank capital. The decline in bank capital, the more it reduces the ability of banks to provide capital buffers. Panimbing and Sutrisno (2017) found that in Islamic banks in Indonesia, credit risk also reduces the capital buffer. Likewise, Zhu and Chen (2011) found that in China NPLs have a negative effect on capital buffers. Meanwhile, Bayuseno and Chabahib (2014) found a positive influence between credit risk as measured by NPL and capital buffer. Meanwhile, Al-Tamimi and Obeidat (2013) in Jordan found that NPL did not affect the capital buffer.

Loan to deposit ratio (LDR) shows a bank's ability to extend credit, the higher the LDR, the higher the credit given. Credit is the main income for banks, so if the LDR is high it indicates that the credit given is large. Large credit, if managed properly, can generate high interest income, and

the higher the interest, the higher the profit. Thus the LDR is able to contribute to increasing the buffer capital. However, in reality, the results of the research resulted in LDR not having a significant effect on capital buffer. This is possible because it turns out that LD7 is not able to increase profitability (Masood and Zulfiqar, 2016), even the results of this study have a negative effect on the capital buffer. This finding supports the findings of Bayuseno and Chabahib (2014) and Haryanto (2015) which found an insignificant effect of LDR with capital buffer. While different results were found by Zhu and Chen (2016) and Belem and Gartner (2013) who found a significant effect between LDR and capital buffer.

Bank management has a strong interest in the capital adequacy ratio (CAR) because CAR is one aspect in assessing the health of a bank. Banks must maintain a minimum CAR of 8%. The higher the CAR, the higher the capital buffer because the capital buffer is calculated by means of the available CAR minus 2.5%. It is possible that the previous high CAR for the period will be maintained thereby increasing the capital buffer. The results showed that the previous CAR had a sychological and significant effect, so that it was in accordance with the theory and hypothesis. These results are consistent with the findings of research by Belem and Gartner (2013) who found the effect of previous capital buffers. Likewise, Wang and Ke (2012) in America and Bayuseno and Chabahib (2014) in Indonesia also found the effect of previous CAR with a capital buffer. In contrast, Jaseviciene and Jurksaityte (2014) found insignificant effects.

Bank management must be able to control Net Interest Margin (NIM), because NIM is an indicator used to determine the ability of bank management in terms of managing productive assets so that it can generate net income. The greater the NIM ratio will affect the increase in bank income obtained from productive assets managed by the bank properly. The higher the NIM, the greater the capital buffer, because it indicates that the bank's profits are getting bigger so that it can increase the capital buffer. However, the research result shows that NIM has no effect on the capital buffer. This is possible in line with the profitability hypothesis test having a negative effect, and the LDR hypothesis testing has no effect on the capital buffer. LDR shows the amount of credit given and the credit given will affect interest income. If the LDR has no effect on the capital buffer, then NIM should not be affected because NIM is the ratio of interest income to earning assets. These results confirm the research of Mili et.al (2014) which found a positive effect between NIM and CAR, while Raharjo et.al (2014) actually found NIM had no effect on CAR.

Hypothesis test results show OER has a significant and negative effect on capital buffer. This result is in accordance with the hypothesis that BOP has a negative effect on capital buffer. Bank management is required to work efficiently, namely being able to reduce operational costs to a minimum. Bank efficancy is measured by the ratio between operating costs and operating income (OER). This ratio is to measure the level of efficiency and the ability of the bank to carry out its operational activities. OER is also often called the efficiency ratio, which is used to measure the ability of bank management to control operating costs against operating income. The smaller the ratio, the more efficient the operational costs incurred by the bank concerned. It is hoped that low OER will be able to generate a higher level of profit, so that it can be used to increase the bank's capital buffer. However, Haryanto's (2015) research in Indonesia and Al-Tamimi and Obeidat (2013) actually found an insignificant effect on capital adequacy.

CLOSING

Based on the results of research and disc 13 ion, it can be concluded that there are three unproven hypotheses, namely, first, profitability as measured by ROA has a significant effect but has a negative effect on capital buffer. The two liquidity risks as measured by the loan to deposit 1 tio (LDR) do not have a significant effect on the capital buffer, and the three management risks as measured by the net interest margin (NIM) also have no significant effect on the capital buffer. Meanwhile, 7 ere are two proven hypotheses: first, credit risk as measured by non-5 rforming loans (NPL) has a significant but negative effect on the capital buffer and the second CAR has a significant and positive effect on the capital buffer

The researcher hopes that the results of the research can be used by conventional bank management in Indonesia to be used as material for consideration in managing banks. The variables related to profit need attention, because it has an impact on the fulfillment of the capital buffer which in turn will also have an impact on the fulfillment of the capital adequacy ratio (CAR).

The results of this study are also expected to be used by researchers as additional references, especially those related to capital buffers. This research still has many weaknesses so it is hoped that it can be further investigated by further researchers, for example by adding samples or variables so as to complement this research

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