



DETERMINANTS OF ISLAMIC BANK'S FINANCIAL PERFORMANCE IN MALAYSIA

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POLITEKNIK
NEGERI
JAKARTA

Submitted in Fulfillment of the Requirements for the Degree of
Bachelor in Finance

MANAGEMENT AND SCIENCE UNIVERSITY

2023

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as it appears on the title page and front cover of the thesis/dissertation that the research is acceptable in format and content and that a satisfactory knowledge of the field is covered by the thesis/dissertation.

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DECLARATION

I, Abisag Carent, hereby declare that the research project is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at MSU or other institution.

Abisag Carent



ACKNOWLEDGEMENT

First and foremost, praise and gratitude to God Almighty, for His abundant blessings during my research so that I can complete this research well.

In the preparation of the research project, the author encountered not a few challenges and obstacles faced, therefore the author would like to thank various parties who have provided guidance, knowledge, support, and prayers so that this final year project can be completed properly.

I would like to express my deep and sincere gratitude to my research project lecture AP Dr. Aza Azlina Md Kassim and also my supervisor, Farah Binti Alias for giving me the opportunity to do research and providing invaluable guidance throughout this research. Their expertise and guidance in specific areas have been instrumental in shaping the direction and outcomes of this final year project. I am thankful for their time, efforts, and insightful comments.

Additionally, I am grateful to my parents for their love, prayers, caring and sacrifices for educating and preparing me for my future. I am thankful to my sister and my family for their love, understanding, prayers and continuing support to complete this research work. Furthermore, I would like to say thanks for my housemates and friends who have provided support and caring throughout this research so it can be completed properly.



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ABSTRACT

Islamic banking is one of the well-known financial institutions in Malaysia. The financial performance of Islamic banks is critical to their sustainability and expansion as Islamic banking has grown significantly in Malaysia. The purpose of this study to investigate the determinants of Islamic bank's financial performance. Specifically, this study aims to examine the relationship of capital adequacy, liquidity, bank size, gross domestic product, and interest rate with Islamic bank's financial performance of ROA in Malaysia. The data was collected from the annual report of thirteen Islamic banks in Malaysia from 2017-2021 that listed in Bursa Malaysia and analyzed using SPSS. The result of the regression analysis indicates that capital adequacy, liquidity, and bank size have a significant relationship with the bank's financial performance. Meanwhile, the findings reveal that GDP and interest rate have no relationship with Islamic bank's financial performance.

Keywords: Financial performance, Islamic banks, capital adequacy, bank size, Malaysia



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CHAPTER 1

INTRODUCTION

1.1 Background of the Study

The banking sector plays a crucial role in the economy of the nation because it relates to the banking function itself, namely that of a financial intermediary, which collects money from people with extra cash and then distributes it to the community by providing financing to those who lack it in order to improve people's lives. Therefore, banking operations must function properly and efficiently in order to support development initiatives that may stimulate economic growth, enhance people's quality of life, and increase national stability.

In its development, in Malaysia, there are two types of banks when viewed from the principle of their operation namely, conventional banks and Islamic banks. It is familiar to the public they hear conventional banks which in their operational activities apply interest instruments. While Islamic banks are banks that in their operational activities use Islamic sharia principles. Islamic banks do not use interest instruments but use a profit-sharing system in their operations. Islamic banks are beneficial and considerably support Malaysia's economy in growing. (Gani, 2021).

The level of success a bank has in its operational activities is described by its financial performance. To evaluate the total performance of the bank itself, the financial performance of the banking industry is a crucial and significant aspect. starting with a review of the assets, debt, liquidity, and other factors. Analyzing a bank's financial accounts will allow you to evaluate its performance. Financial ratios can be computed based on the report to determine how healthy the bank is. Management can assess the bank's performance in carrying out its operational activities by analyzing these financial ratios. Investors can evaluate bank performance using financial ratio analysis. Based on the research about comparison of the commercial bank and Islamic banks performance in Malaysia, indicate that the Malaysian commercial banks performed better than Islamic banks (Sulub & Salleh, 2019).



1.2 Problem Statement

Fitch Ratings (2023), predicts that the demand for Islamic financing will decline in 2023 after experiencing a strong 13% growth, the previous year due to higher financing rates. Nevertheless, they expect that the industry will continue to grow faster than traditional banks because of the favourable environment for Islamic banking and Malaysia's transition to Sharia-compliant services. Malaysia is the third-largest Islamic banking sector in the world, with loans from the local banking system making up 41% (up from 38% end of 2021) of Islamic finance as of the end of 2022. The ability of borrowers to repay their obligations will be impacted by the anticipated rise in interest rates, which will impair asset quality. Islamic banks' asset quality may also suffer. Other potential reasons for an increase in arrears include the economic recession and the lack of consumer relief from the Covid-19 outbreak. However, given that banks have made sizeable provisions for impairment and that expect 3.5% economic growth by 2023, the decline in asset quality will still be controllable.

The rapid growth of Islamic banking is a positive thing. But on the other hand, competition between Islamic banks will become increasingly difficult. This is what must be immediately anticipated by Islamic banking in order to survive in the competition and not experience business failure (bankruptcy). Banks can take strategic actions to outperform the competition, one of which is by enhancing financial performance. Improved financial success has a big impact on maintaining customers' trust. Therefore, it is crucial to investigate the factors that affect Islamic banks' financial performance in Malaysia. This study provides empirical evidence by determining the elements that affect a bank's financial performance, including capital sufficiency, liquidity management, bank size, gross domestic product, and interest rate.

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1.3 Research Objectives

This research study has several objectives:

1. To examine the relationship between capital adequacy and performance of Islamic banks.
2. To examine the relationship between liquidity management and performance of Islamic banks.
3. To examine the relationship between bank size and performance of Islamic banks.
4. To examine the relationship between gross domestic product and performance of Islamic banks.
5. To examine the relationship between interest rate and performance of Islamic banks.

1.4 Research Questions

There are five (5) research questions of this study:

1. Does capital adequacy have relationship with the performance of Islamic banks?
2. Does liquidity management have relationship with the performance of Islamic banks?
3. Does bank size have relationship with the performance of Islamic banks?
4. Does gross domestic product have relationship with the performance of Islamic banks?
5. Does interest rate have relationship with the performance of Islamic banks?

1.5 Scope

The main goal of this study is to understand how financial performance is affected by various factors. The Malaysian Islamic Banks listed on Bank Negara Malaysia are the subject of this study. However, there is a dearth of annual report data, necessitating the exclusion of several banks from the study and the use of only a few observations.



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1.6 Significance

The purpose of this research study was to address the goals of the study and add to the existing body of literature. Theoretically, it would advance economic knowledge and offer a topic for additional study into the factors that affect Islamic banks' financial performance in Malaysia. This study defines financial performance factors are crucial, especially for investors, as they will be used to determine their decision to invest in the banks. For banks, it can also be used to assess the company's performance in general as a basis for deciding the company's future strategy.

1.7 Organisation of the Study

This research has been divided into 5 (five) chapters:

a. Chapter 1: Introduction

This chapter discusses the study's background, problem statement, research objectives, research questions, the scope of the study's research, the significance of the study, and organization of the study.

b. Chapter 2: Literature Review

This chapter establishes the theoretical foundation related to the research topic, previous research that is a reference in conducting research, a research framework and hypothesis development that discusses capital adequacy, liquidity management, bank size, gross domestic product, and interest rates on return on assets.

c. Chapter 3: Research Methodology

This chapter explains the methods used in research consisting of the research design, research object, sampling method, types and sources of data to be used, data collection methods, and research analysis methods.

d. Chapter 4: Data analysis

This chapter contains the results of research data processing and discussion of the impact of capital adequacy, liquidity management, bank size, gross domestic product, and interest rates on return on assets.

e. Chapter 5: Conclusions

This chapter contains conclusions from the research that has been done as well as discussion and recommendations for this research.



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CHAPTER 5

CONCLUSIONS AND RECOMMENDATIONS

5.1 Introduction

This chapter discusses the study's results and recommendations. Each section of this chapter has its heading. An overview of the study would be presented in the first section. Results are discussed in the second section. The third portion would go through the study's contribution. At the end of this chapter, we would discuss the findings of this study and define recommendations for further research.

5.2 The Overview of the Study

Examining the factors that affected Islamic banks' financial performance in Malaysia from 2017 to 2021 is the primary research goal of this study. Five research questions should be highlighted in this study, including whether the determinants have a major impact on the financial performance of Islamic banks in terms of capital adequacy, liquidity management, bank size, gross domestic product, and interest rate. In order to measure the financial performance of banks, five key hypotheses are investigated using ROA as the dependent variable.

In terms of how the data was collected, it came from the yearly reports that were accessible on the banks' official websites. In addition, the acquired data was processed and assessed using the SPSS program. The research study simultaneously collected all the financial information for a sample size of 13 listed Islamic banks on Bank Negara Malaysia.

As a result, the findings of the data analysis in Chapter 4 revealed that three hypotheses could be developed and were acceptable in the regression test in terms of ROA with p-value < 0.05 as assessment of financial performance. Referring to Table 5.1, this means that there is a significant and positive correlation between capital adequacy, effective liquidity management, and bank size with the financial performance of Islamic banks.

Table 5.1 Summary of Hypotheses Testing

<i>Summary of the Hypotheses Testing</i>		
Hypothesis	Accepted ($p < 0.05$)	Rejected ($p > 0.05$)
H1: Capital adequacy has a positive relationship with bank's ROA	√	
H2: Liquidity management has a positive relationship with bank's ROA	√	
H3: Bank size has a positive relationship with bank's ROA	√	
H4: Gross domestic product has a positive relationship with bank's ROA		√
H5: Interest rate has a positive relationship with bank's ROA		√

5.3 Discussion of Result

5.3.1 Capital adequacy on ROA

“Does capital adequacy have relationship with the Islamic bank's financial performance?” is the first research topic that is highlighted in this project. Then, based on this research question, Hypothesis 1, H1 is created to determine the relationship of capital adequacy on the performance of Islamic banks listed on Bank Negara Malaysia. According to the study's findings, the performance of Islamic banks has a significant relationship with capital adequacy. As a result, the significance of the first research question is demonstrated, and the outcome of H1 is accepted.

The results are consistent with research published in journals by Shabani et al., (2019), and Javaid & Alalawi, (2018), which found a positive and substantial association between capital adequacy and return on assets or bank performance. According to one interpretation, a bank's capacity to explore new opportunities more effectively and deal with problems brought on by unanticipated losses with more time and flexibility will result in improved profitability. On the other hand, a journal article conducted by Budiyo, (2021) states that the capital adequacy has no relationship with return on assets.

5.3.2 Liquidity Management on ROA

Furthermore, the second research question emphasized is "Does liquidity management have a relationship with Islamic bank's financial performance?" The H2 is based on this research question to examine the relationship between liquidity management and the performance of Islamic



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banks listed on Bank Negara Malaysia. According to the data, liquidity management has a favourable relationship with Islamic bank performance. As a result, the relevance of the study issues is indicated, and the outcome of H2 is accepted.

The findings are similar to the journal articles by and Al-Shaghdari & Bardai, (2020) and SAMAIL et al., (2018) as they proved that the liquidity has positive and significant relationship with the return on assets or the bank's performance. The observed result can be explained by the fact that Islamic banks typically have larger cash reserves and are therefore able to lend more money to the general public, boosting the bank's opportunity to generate income from loans. The profitability of the bank will rise as a result.

5.3.3 Bank Size on ROA

Apart from that, the third research question highlighted is “Does bank size have relationship with an Islamic bank's financial performance?”. In Hypothesis 3 based on this research question to determine the relationship of bank size on the Islamic bank's performance listed on Bank Negara Malaysia. From the result of this study, findings that bank size has a positive relationship on Islamic bank's performance. Therefore, there indicates the significance of the statement, then outcome of H3 is accepted.

The results support the findings of Kirimi et al., (2022), who found a significant and positive correlation between bank size and Islamic bank performance. The size of Islamic banks in Malaysia, which may lead to economies of scale that lower the cost associated with information gathering and processing or economies of scope that boost the diversity of Islamic banks' products as well as access to capital markets, and better cost control among Islamic banks are supporting factors for the findings.

Nonetheless, a study conducted by Al-Shaghdari & Bardai, (2020) discovered that bank size has a negative relationship with profitability. This demonstrates that as a bank's size grows, profits do not necessarily increase. Although larger banks have greater access to extra financing sources, they incur greater risk when dealing with liquidity issues and diversifying products.



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5.3.4 Gross domestic product on ROA

The fourth research question is "Does gross domestic product have relationship with Islamic bank's financial performance?" Based on this research topic, Hypothesis 4 seeks to establish the relationship between GDP and the performance of Islamic banks listed on Bank Negara Malaysia. Nonetheless, H4 is not supported by the facts examined since gross domestic product was not determined to be significant on return on assets. It indicates that Hypothesis 4 is rejected. There is a similar result to the study from Murugiah & Supramaniam, (2021) that shows gross domestic product has no significant effects towards the bank performance. This indicates that the performance of Islamic banks in Malaysia is not influenced by gross domestic product either positively or negatively.

In contrast, this result contradicts the conclusions of Abdullahi & Yusuf, (2022) and Al-Shaghdari & Bardai, (2020) that GDP Growth Rate favourably improves the financial performance of Islamic banks. Another study found that gross domestic product is required to boost the profitability of Islamic banks operating in the Indonesian banking sector (Amzal, 2016).

5.3.5 Interest rate on ROA

The last study question is, "Does interest rate have a relationship with an Islamic bank's financial performance?" Based on this study subject, Hypothesis 5 examines the relationship between interest rates and the performance of Islamic banks listed on Bank Negara Malaysia. Nonetheless, H5 is not supported by the facts examined since interest rates are not determined to be significant on ROA. As a result, this hypothesis statement is rejected. There is a similar result to the study from Abdullahi & Yusuf, (2022) and Budiyo, (2021) that revealed the interest rate was found to not impact the banks' financial performance. This indicates that interest rates have no influence on the performance of Malaysian Islamic banks, either positively or negatively.

This result is contrary to a research by Hidayat et al., (2020) that discovered interest rates have significant impacts on the profitability of Islamic banking in Indonesia between 2014 and 2018.



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5.4 Contribution of the Study

This research study was conducted in order to address the research study's objectives and contribute to the literature. In theory, it would increase economic knowledge and provide a topic for further research into the elements that impact Islamic banks' financial performance. This study identifies the importance of financial performance criteria, particularly for investors who would use them to decide whether to participate in banks. In the case of banks, it can also be utilized to evaluate overall company performance as a foundation for determining the organization's future strategy.

5.5 Recommendation for Future Study

This study suffers from some limitations. Based on the findings of the research and discussion in the preceding chapter, the researcher can make the following recommendations for future study:

1. Because the population and sampling data used in this study only cover 5 years from 2017-2021 and the limited number of Islamic banks in Malaysia, the suggestion for future research is to be able to expand the sample period for data collection in order to improve better and more accurate research results.
2. It would be better for future research to include additional independent variables that have not been discussed in this study, both internally and externally, or to modify the dependent variable that defines bank financial performance, so that future research can more effectively and variably explain the factors that affect financial performance in Islamic banks.



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5.6 Conclusion

The goal of this study is to examine at the factors that determine the financial performance of 13 Islamic banks that were listed on Bank Negara Malaysia between 2017 and 2021. The findings of this study highlight how important capital adequacy is to a bank's financial success. The value of capital adequacy will increase, which will boost the bank's financial performance. Financial performance is significantly and favourably impacted by liquidity management. The findings of this study also demonstrate that the size of the bank has a relationship on how well Islamic banks perform financially. As the bank grows, its financial performance improves.

This suggests that internal variables like adequate capital, liquidity, and bank size are significant for impacting the financial performance of Islamic banks and ensuring their success and development in profitability in Malaysia. However, according to the study's results, neither the gross domestic product nor the interest rate has any significant relationship on the financial performance of Malaysia's Islamic banks.



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APPENDICES

A: LIST OF THE BANKS

Banks Name
Affin Islamic Bank Berhad
Ambank Islamic Berhad
Alliance Islamic Bank Berhad
Bank Islam Malaysia Berhad
Bank Muamalat Malaysia Berhad
CIMB Islamic Bank Berhad
Hong Leong Islamic Bank Berhad
HSBC Amanah Berhad
Maybank Islamic Berhad
OCBC Al-Amin Bank Berhad
Public Islamic Bank Berhad
RHB Islamic Bank Berhad
Standard Chartered Saadiq Berhad

B: TURNITIN RESULT

chapter 1-5 abisag carent

ORIGINALITY REPORT



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Research Problem

The demand for Islamic financing will decline in 2023 due to higher financing rates

→

Islamic banks' asset quality may suffer

→

Competition between Islamic banks will become increasingly difficult

03

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FBMP RESEARCH QOLLOQUIUM 2023

DETERMINANTS OF ISLAMIC BANK'S FINANCIAL PERFORMANCE

Presented by Absisag Carent (0120222090816)

Teaching lecturer:
AP Dr. Azza Azlihan Md Kassim

Supervisor:
Farah Binti Alim

SESSION FEBRUARY 2023

BACHELOR IN FINANCE
FACULTY OF BUSINESS MANAGEMENT AND PROFESSIONAL STUDIES
MANAGEMENT AND SCIENCE UNIVERSITY

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Research Objectives

1. To examine the relationship between capital adequacy and performance of Islamic banks.
2. To examine the relationship between liquidity management and performance of Islamic banks.
3. To examine the relationship between bank size and performance of Islamic banks.
4. To examine the relationship between gross domestic product and performance of Islamic banks.
5. To examine the relationship between interest rate and performance of Islamic banks.

Research Questions

1. Does capital adequacy have relationship with the performance of Islamic banks?
2. Does liquidity management have relationship with the performance of Islamic banks?
3. Does bank size have relationship with the performance of Islamic banks?
4. Does gross domestic product have relationship with the performance of Islamic banks?
5. Does interest rate have relationship with the performance of Islamic banks?

04

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Table of CONTENT

Introduction	Methodology
Analysis	Discussion

01

Research FRAMEWORK & hypotheses

H1: Capital adequacy has a positive relationship with the Islamic bank's financial performance.

H2: Liquidity management has a positive relationship with the Islamic bank's financial performance.

H3: Bank size has a positive relationship with the Islamic bank's financial performance.

H4: Gross domestic product has a positive relationship with the Islamic bank's financial performance.

H5: Interest rate has a positive relationship with the Islamic bank's financial performance.

05

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Background

The banking sector plays a crucial role in the economy of the nation

Islamic banks are favourable and contribute significantly to the growth of the Malaysian economy

Bank's financial performance is a major factor and very important to assess

02

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DESCRIPTIVE STATISTIC

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Populations & Sampling

06

Population

Islamic banks listed on the Bank Negara Malaysia from 2017 until 2021.

Sampling

Purposive sampling is used to select the samples. The selection criteria for the sample are:

1. Islamic Banks listed on Bank Negara Malaysia during 2017-2021.
2. Islamic Banks that release annual reports during 2017-2021.
3. Present the data of return on assets, capital adequacy, liquidity management, bank size, gross domestic product, and interest rate.

Only 10 Islamic banks that fulfill the criteria.

Correlation Analysis

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07

Summary of MESUREMENT

Dependent Variable	Formula	Symbols	Sources
Return on Assets	Net income / total assets	ROA	Al-Shaghdad & Bairdai, 2020
Capital Adequacy	Total capital / total assets	CA	Sunali, et al., 2018
Liquidity	Loans / total assets	LR	Shogha & Arshad, 2019
Bank Size	Netural logarithm of total asset	BS	Slupja & Arshad, 2019
Gross Domestic Product	Annual GDP growth rate	GDP	Nazranju & Boateag, 2018
Interest Rate	Annual interest rate	IR	Amuzil, 2016

MULTIPLE REGRESSION ANALYSIS

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08

Normality Test

Variables	Mean	Skewness Ratio	Kurtosis Ratio
Return on Assets	-5.0462	1.36526	0.218304
Capital Adequacy	-1.7397	-1.64935	1.144416
Liquidity Management	-0.332	-0.43344	-0.08816
Bank Size	17.2754	1.535714	-1.12427
Gross Domestic Product	-3.6757	0.284091	-1.98489
Interest Rate	-3.6751	-1.49351	1.830395

Sources: Researcher, 2023

DESCRIPTIVE STATISTIC

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09

Table 2

	Descriptive Statistics			
	N	Minimum	Maximum	Std. Deviation
Return on Assets	13	0.002	0.010	0.00673
Capital Adequacy	13	0.15	0.232	0.17961
Liquidity Management	13	0.392	0.863	0.73022
Bank Size	13	7544126.6	238811000.6	57018220
Gross Domestic Product	13	0.0253	0.0254	0.025331
Interest Rate	13	0.0253	0.0254	0.025346

Sources: Researcher, 2023

Correlation Analysis

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10

Table 3

Return on Assets	Pearson Correlation			
	Capital Adequacy	Liquidity Management	Bank Size	Gross Domestic Product
Return on Assets	1			
Capital Adequacy	0.720**	1		
Liquidity Management	0.676*	0.129	1	
Bank Size	0.710**	0.524	0.263	1
Gross Domestic Product	-0.007	-0.097	0.181	0.045
Interest Rate	-0.014	0.233	-0.351	0.008

Sources: Researcher, 2023

MULTIPLE REGRESSION ANALYSIS

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11

Table 4

Variables	Regression Test		t-statistics
	B	SE	
Constant	-23.868	109.578	-0.218
Capital Adequacy	1.12	0.272	4.117*
Liquidity	1.021	0.185	5.517*
Bank Size	0.104	0.036	2.939*
Gross Domestic Product	-15.375	18.546	-0.811
Interest Rate	10.124	19.259	0.526


Sources: Researcher, 2023



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Findings

12

Summary of the Hypotheses Testing	
Hypothesis	Accepted (p < 0.05)
H1: Capital adequacy has a positive relationship with bank's ROA	✓
H2: Liquidity management has a positive relationship with bank's ROA	✓
H3: Bank size has a positive relationship with bank's ROA	✓
H4: Gross domestic product has a positive relationship with bank's ROA	✓
H5: Interest rate has a positive relationship with bank's ROA	✓

Conclusion

13

- This study aims to examine the factors that impact the financial performance of 13 Islamic banks that were listed on Bank Negara Malaysia between 2017 and 2021.
- There is a significant positive relationship of capital adequacy, liquidity management, and bank size with Islamic bank's financial performance.
- There is no relationship between gross domestic product and interest rate on Islamic banks financial performance.

Thank You

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