

# THE IMPACT OF MACROECONOMICS ON NON-PERFORMING LOAN: COMPARISON OF MALAYSIA AND INDONESIA COMMERCIAL BANKS

# NUR ADIBAH BINTI JETRINE 2017683918

# BACHELOR OF BUSINESS ADMINISTRATION WITH HONOURS (FINANCE) FACULTY OF BUSINESS MANAGEMENT UNIVERSITI TEKNOLOGI MARA KOTA KINABALU

**JULY 2020** 

### **AUTHOR'S DECLARATION**

I declare that the work in this thesis was carried out in accordance with the regulations of University Technology MARA. It is original and is the results of my own work unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, University Technology MARA, regulating the conduct of my study and research.

Name of Student : Nur Adibah binti Jetrine

Student I.D. No. : 2017683918

Programme : Bachelor of Business Administration (Hons) Finance

(BA242)

Faculty : Business and Management

Thesis Title : The Impact of Macroeconomics on Non-Performing

Loan: Comparison of Malaysia and Indonesia

Commercial Banks

Signature of Student : .....

Date : 10 July 2020

# TABLE OF CONTENTS

		Page
AUT	'HOR'S DECLARATION	ii
ACK	NOWLEDGEMENT	iii
TAB	LE OF CONTENTS	iv
LIST	T OF FIGURES	vii
LIST	T OF TABLES	viii
LIST	T OF ABBREVIATIONS	X
ABS'	TRACT	xi
СНА	APTER ONE: INTRODUCTION	1
1.1	Introduction	1
1.2	Background of Study	2
1.3	Problem Statement	6
1.4	Research Questions	8
1.5	Research Objectives	9
1.6	Scope of Study	10
1.7	Limitation of the Study	11
1.8	Significance of the Study	12
1.9	Summary of the Chapter	13
СНА	APTER TWO: LITERATURE REVIEW	14
2.1	Introduction	14
2.2	Theory associated with the Study	15
	2.2.1 Theory of Credit Default	15
	2.2.2 Theory of Financial Accelerator	16
2.3	Literature review (Variables)	17
	2.3.1 Non-Performing Loan (NPL)	17
	2.3.2 Growth Domestic Product (GDP)	18
	2.3.3 Real Effective Exchange Rate (REER)	21
	2.3.4. Consumer Price Index (CPI)	22

# LIST OF TABLES

Tables	Title	Page
Table 2.3.1	Summary of literature review of Non-Performing Loan	24
Table 3.3.1	Description of the model and data sources	29
Table 3.3.2	The sample of Malaysia and Indonesia commercial banks	30
Table 3.4.1	Unit of Analysis	31
Table 4.2.1	Result of descriptive statistics (Malaysia)	47
Table 4.2.2	Result of descriptive statistics (Indonesia)	48
Table 4.3.1	Result on the Unit Root Test (LLC) (Malaysia)	50
Table 4.3.2	Result on Panel Unit Root Test based on IPS Test for 1 <sup>st</sup> order different	50
Table 4.3.3	Result on the Unit Root Test (LLC) (Indonesia)	51
Table 4.3.4	Result on Panel Unit Root Test based on IPS Test	51
	for 1 <sup>st</sup> order different	
Table 4.4.1	Results on Panel Regression analysis	52
Table 4.4.2	Results on Panel Regression analysis	56
Table 4.5.1	Correlation Test for Non-Performing Loans (NPL)(Malaysia)	59
Table 4.5.2	Correlation Test for Non-Performing Loans (NPL)(Indonesia)	60
Table 4.6.1.1	Result based on the Multicollinearity Test	61
Table 4.6.2.1	Result based on the Serial Correlation Test (Malaysia)	62
Table 4.6.2.2	Result based on the Serial Correlation Test (Indonesia)	62
Table 4.6.3.1	Result based on Heteroscedasticity Test (Malaysia)	62
Table 4.6.3.2	Result based on Heteroskedasticity and Serial Correlation	63
	after treat using cluster (code)	
Table 4.6.3.3	Result based on Heteroscedasticity Test (Indonesia)	64
Table 4.6.3.4	Result based on Heteroskedasticity after treat	64
	using robust (code)	
Table 4.7.1	Hypothesis summary for Malaysia commercial banks	74
Table 4.7.2	Hypothesis summary for Indonesia commercial banks	74

### **ABSTRACT**

This thesis examine the relationship between macroeconomics variables towards Non-Performing Loan (NPL) among commercial banks in Malaysia and Indonesia and compare the impact of macroeconomics factors on Non-Performing Loan (NPL) for Malaysia and Indonesia commercial banks. The model was assessed on a panel data by using STATA Analysis for two countries (Malaysia and Indonesia) with ten selected commercial banks for 2011 until 2017. Even supposing the literature review in non-performing loan is relatively in general, the first empirical research that be analysed on that two country's commercial banks by using the regression analysis. The results suggest in this thesis that only the Consumer Price Index (CPI) had significant impact to Non-Performing Loan (NPL) in Malaysia commercial banks while the other macroeconomics (GDP, RINR and REER) had insignificant impact. Therefore, there is no significant impact of all macroeconomics (GDP, RINR, REER and CPI) to Non-Performing Loan (NPL) in Indonesia commercial banks.