

**THE EFFECT OF EXCHANGE RATE, INFLATION, INTEREST  
RATE AND IMPORTS ON EXPORTS IN ASEAN COUNTRIES IN  
2015-2019**

***PENGARUH NILAI TUKAR, INFLASI, SUKU BUNGA DAN IMPORT  
TERHADAP EKSPOR DI NEGARA ASEAN TAHUN 2015-2019***

**UNDERGRADUATE THESIS**



Written By:

**NONI PRADIKA SARI  
20180430123**

**INTERNATIONAL PROGRAM OF ISLAMIC  
ECONOMICS AND FINANCE (IPIEF)  
FACULTY OF ECONOMICS AND BUSINESS  
UNIVERSITAS MUHAMMADIYAH YOGYAKARTA**

**2022**

**THE EFFECT OF EXCHANGE RATE, INFLATION, AND INTEREST  
RATE ON EXPORTS IN ASEAN COUNTRIES IN 2015-2019**

***PENGARUH NILAI TUKAR, INFLASI, DAN SUKU BUNGA TERHADAP  
EKSPOR DI NEGARA ASEAN TAHUN 2015-2019***

**UNDERGRADUATE THESIS**

In partial fulfillment on the requirement for the degree of Bachelor of Economics  
at International Program for Islamic Economics and Finance(IPIEF)  
Department of Economics, Faculty of Economics and Business



Written By:

**NONI PRADIKA SARI**

**20180430123**

**INTERNATIONAL PROGRAM OF ISLAMIC  
ECONOMICS AND FINANCE (IPIEF)  
FACULTY OF ECONOMICS AND BUSINESS  
UNIVERSITAS MUHAMMADIYAH YOGYAKARTA**

**2022**

## STATEMENT

Name : Noni Pradika Sari  
NIM : 20180430123

I hereby declare that this undergraduate thesis entitled "THE EFFECT OF EXCHANGE RATE, INFLATION, INTEREST RATE AND IMPORTS ON EXPORTS IN ASEAN COUNTRIES IN 2015-2019" does not consist of any content that ever being proposed for any degree in other university, ideas of any research and publication of others, in exception all quotes and ideas which are purposely taken are considered as the research references and listed in the references list. Therefore, if any violation of intellectual rights is found in this research, I agree to accept any relevant academic consequences.

Yogyakarta, 17<sup>th</sup> February 2022



METERAI  
TEMPEL  
4F B3AJX715241677

Noni Pradika Sari

## MOTTO

*“So verily, with the hardships, there is relief. Verily, with the hardships, there is relief.”*

*(Sura al-Insyirah: 5-6)*

*All our dreams can come true — if we have the courage to pursue them.*

*(Walt Disney)*

## **TRIBUTE**

*This Undergraduate Thesis I dedicated to myself, Mama, Papa and my sisters.  
Thank you for always being there for me and be my support system. May Allah  
SWT always pour endless blessings and happiness on them.*

## ACKNOWLEDGEMENT

Praise and gratitude the writer prays for the presence of Allah SWT who has bestowed His mercy and grace, so that the writer can finish this thesis with the title "**THE EFFECT OF EXCHANGE RATE, INFLATION, INTEREST RATE AND IMPORTS ON EXPORTS IN ASEAN COUNTRIES IN 2015-2019**". This was made as one of the requirements for achieving a bachelor's degree in economics. Therefore, I would like to thank all those who have contributed and give special appreciation to the parties. In particular, they are:

1. Allah SWT as the Lord of the worlds who has made it easy and smooth for me to complete this research.
2. My father, mother, and sister who always give encouragement and attention to me so that I can complete this research.
3. Prof. Dr. Imamudin Yuliadi, S.E, M.Si as a Lecturer of the Department of Economics at Universitas Muhammadiyah Yogyakarta as well as the author's thesis supervisor and Mrs. Sri Ani Puji Setiawati, S.S., M.A. as the author's thesis supervisor who was full of patience in guiding and providing input during the process of preparing this thesis.
4. To my classmates Zhafira Liviana, Chika Malahayati for all IPIEF 2018. Thank you so much for the 4 years we spent together, for all the fun and laughter.
5. To all IPIEF lecturers and staff who always provide extraordinary provisions, lessons and all parties who have provided support so that this thesis can be completed.
6. My beloved Almamater, Universitas Muhammadiyah Yogyakarta where I was able to finish my studies, and I was able to meet extraordinary people and gain so much new knowledge and experience.

7. All parties that cannot be mentioned one by one either directly or not for their assistance to the author until the completion of this research.

May Allah SWT always repay all the kindness that has been given. The author realizes that this thesis still has shortcomings. The author expects criticism and suggestions as material for improving this thesis. Hopefully this thesis can provide benefits for all parties.

Yogyakarta, 17<sup>th</sup> February 2022

A handwritten signature in black ink, appearing to read 'N. Pradika Sari', is centered on the page. The signature is written in a cursive, somewhat stylized font.

Noni Pradika Sari

## Table Of Content

COVER.....	I
TITTLE.....	II
VALIDATION.....	III
STATEMENT.....	IV
MOTTO.....	V
TRIBUTE.....	VI
ACKNOWLEDGEMENT.....	VII
ABSTRACT.....	IX
INTISARI.....	X
Table Of Content.....	XI
List of table.....	XIII
List of figure.....	XIV
CHAPTER 1.....	1
A. Background.....	1
B. Research Questions.....	8
C. Research Objectives.....	8
D. Research Benefits.....	9
1. Theoretical Benefits.....	9
2. Practical benefits.....	9
CHAPTER II.....	10
A. Theoretical Base.....	10
1. Export.....	10
2. Exchange rate.....	15
3. Inflation.....	19
4. Interest rate.....	21
5. Import.....	23
B. Previous research.....	25



C. Hypothesis.....	27
D. Research Model.....	27
CHAPTER III.....	29
A. Method and Model Research.....	29
B. Data Type.....	29
C. Data Collection Technique .....	29
D. Definition of Operational Variable.....	30
1. Dependent Variable.....	30
2. Independent Variables.....	30
E. Analysis Method.....	32
F. Panel Data Estimation Method.....	33
G. Model Selection.....	34
H. Classic Assumption Test.....	36
I. Statistic Test.....	37
CHAPTER IV.....	41
A. General Description of the Research.....	41
1. Object Physical Condition of the Area.....	41
2. Demographic.....	44
B. General Description of Research Subject.....	45
1. Export.....	45
2. Exchange rate.....	46
3. Inflation.....	47
4. Interest rate.....	48
5. Import.....	49
CHAPTER V.....	51
A. Data Estimation Model Panel.....	51
B. Selection of Panel Testing Method.....	52
1. Chow Test.....	52
2. Hausman Test.....	54
C. Data Quality Test.....	55

1. Heteroscedasticity Test.....	55
2. Multicollinearity Test.....	56
D. Panel Data Estimation Model Results.....	56
E. Statistic Test.....	62
1. Coefficient of Determination (R <sup>2</sup> ).....	62
2. F-test.....	62
F. Results of Interpretation and Discussion.....	65
1. The Effect of Exchange Rates on Exports.....	65
2. The Effect of Inflation on Exports.....	68
3. The Effect of Interest Rates on Exports.....	70
4. The Effect of Imports on Exports.....	72
CHAPTER VI.....	74
A. Conclusion.....	74
B. Research Limits.....	75
C. Suggestions.....	76
REFERENCE.....	78
APPENDIX.....	80

## **List of table**

Table 1 .1 Exports of Ten ASEAN Countries in 2015-2019 (Billion US\$).....	2
Table 2 .1 Previous Research .....	25
Table 3 .1 Variables, Types and Sources of Research.....	29
Table 4 .1 Astronomical Locations and Areas of ASEAN Countries.....	42
Table 4.2 ASEAN Countries Exports in 2015-2019 (Billion US\$).....	45
Table 4.3 Exchange Rates for ASEAN.....	46
Table 4.4 ASEAN Countries Inflation in 2015-2019 (Percent).....	47
Table 4.5 Interest Rates for ASEAN Countries in 2015-2019 (Percent).....	48
Table 4.6 ASEAN Countries Imports in 2015-2019 (Billion US\$).....	50
Table 5 .1 Estimated General Effects.....	51
Table 5.2 Chow Test.....	52
Table 5.3 Hausman Test.....	54
Table 5.4 Heteroscedasticity Test.....	54
Table 5.5 Multicollinearity Test.....	55
Table 5.6 Fixed Effect Model Estimation Results.....	56
Table 5.7 T. Test Results.....	62

### **List of figure**

Figure 2.1.Mechanism of International Trade.....	13
Figure 2.2 J-Curve.....	18
Figure 4.1 Asean Map.....	43