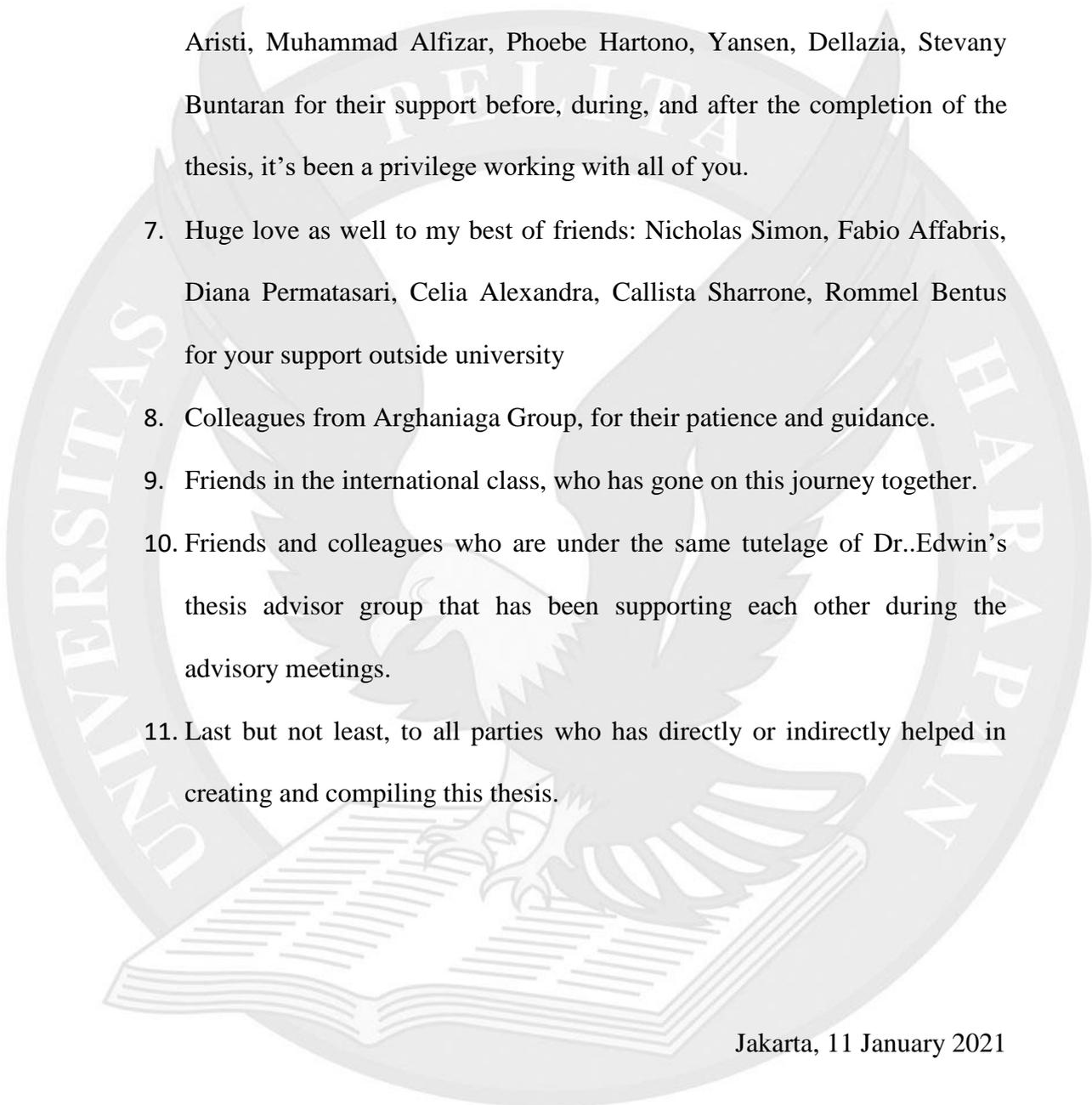


PREFACE

This thesis is written to fulfill the academic requirement to achieve a Bachelor Degree in Social Science in the field of International Relations at University of Pelita Harapan. This thesis would not be possible to complete without the help and support from God and several people. Thus, I would like to extend my sincerest gratitude to the followings.

1. Praise to God for the continuous strength, knowledge, opportunity, and encouragement during the completion of this research so that it can be completed with the upmost satisfaction.
2. Parents and family whom without the constant support and encouragement, I would not be able to finish this thesis in such a timely manner.
3. Dr. Naniek Novijanti Setijadi, S.PD, M.SI., as the Dean of Faculty of Social and Political Science for the opportunity given to finish this thesis.
4. Special thanks to Dr. Edwin M.B. Tambunan S.IP., M.SI., for the guidance as my thesis advisor. to mention his key role in providing guidance as my thesis advisor. He has given me significant feedbacks on how to further improve my thesis while ensuring details and all elements are incorporated within the thesis.
5. I like to extend my gratitude for all the lectures and staff of the International Relations Study Program

- 
6. Huge love to my best of friends: Jacqueline Tandela, Dita Saraswati Giri, Jeen Lee, William Yong, Jovan Nathanael, EuenSeok Lee, Millan Dhillon, Joanna Graciela, John William, Gary Eleazar, Adella Clarabelle, Kezia Aristi, Muhammad Alfizar, Phoebe Hartono, Yansen, Dellazia, Stevany Buntaran for their support before, during, and after the completion of the thesis, it's been a privilege working with all of you.
 7. Huge love as well to my best of friends: Nicholas Simon, Fabio Affabris, Diana Permatasari, Celia Alexandra, Callista Sharrone, Rommel Bentus for your support outside university
 8. Colleagues from Arghaniaga Group, for their patience and guidance.
 9. Friends in the international class, who has gone on this journey together.
 10. Friends and colleagues who are under the same tutelage of Dr..Edwin's thesis advisor group that has been supporting each other during the advisory meetings.
 11. Last but not least, to all parties who has directly or indirectly helped in creating and compiling this thesis.

Jakarta, 11 January 2021

Enrico Affabris

Table of Contents

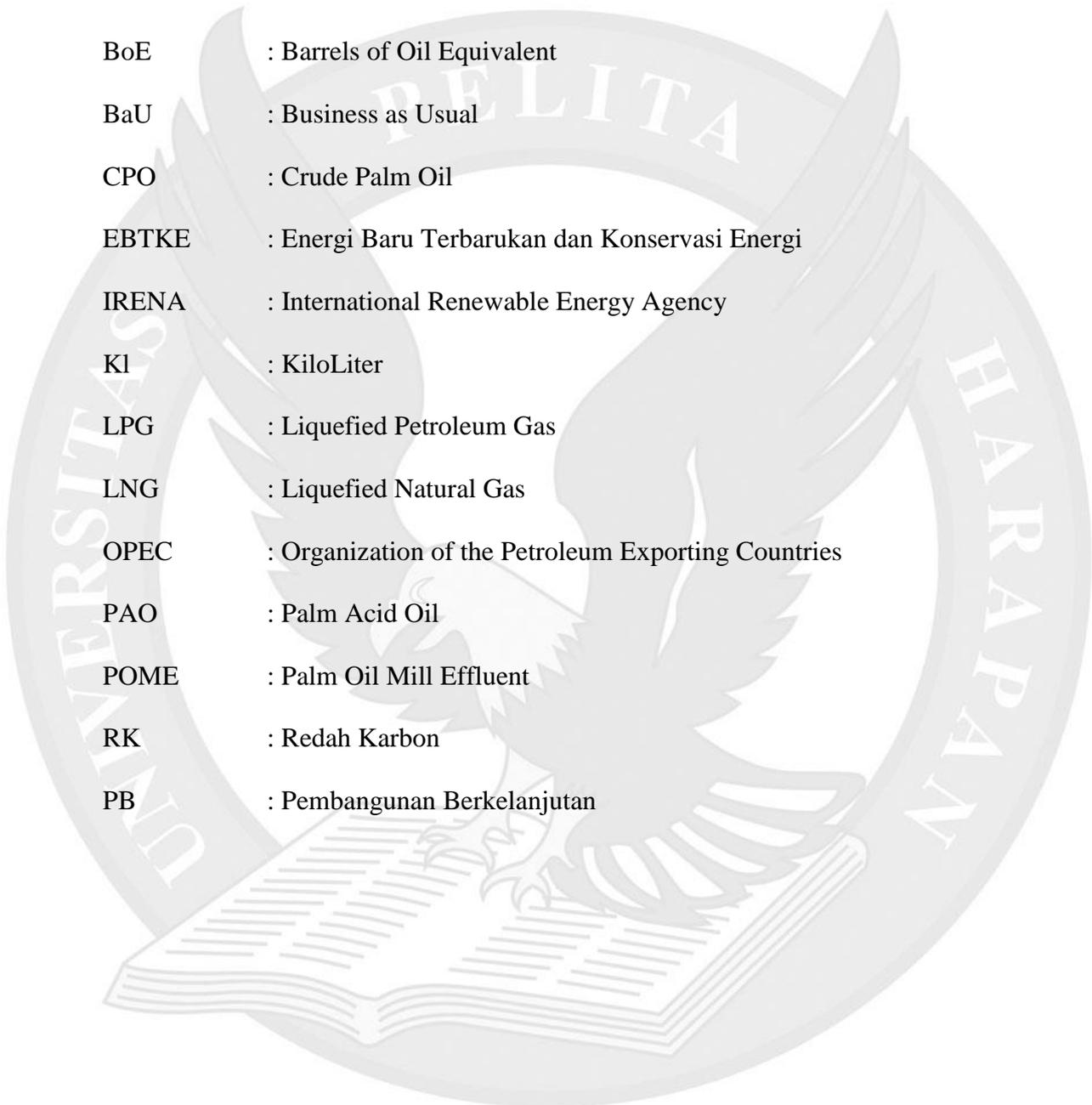
SKRIPSI	i
STATEMENT OF THESIS ORIGINALITY	ii
THESIS ADVISOR APPROVAL	iii
EXAMINATION BOARD APPROVAL	iv
PERNYATAAN PENYERAHAN HAK NONEKSKLUSIF TANPA ROYALTI DAN KESEDIAAN PUBLIKASI KARYA ILMIAH.....	v
ABSTRAK	v
ABSTRACT	vii
PREFACE	viii
LIST OF FIGURES	xii
LIST OF ABBREVIATIONS	xiii
LIST OF APPENDICES	xiv
CHAPTER I INTRODUCTION	1
1.1. Background	1
1.2. Research Question.....	6
1.3. Research Objective.....	6
1.4. Significance of Research.....	7
1.5. Structure of Thesis	7
CHAPTER II THEORETICAL FRAMEWORK	9
2.1. Literature Review.....	9
2.1.1. Understanding the concept of Energy Security	9
2.1.2. Indonesia’s Interests in Renewable Energy.....	14
2.2. Theories and Concepts	18
2.2.1. Realism.....	19

2.2.2. National Security.....	21
2.2.3. Energy Security.....	26
2.2.4. Self-Reliance	30
2.2.5. Bioenergy.....	31
CHAPTER III METHODOLOGY	35
3.1 Research Approach	36
3.2 Research Method.....	37
3.3 Data Collection Techniques	38
3.4 Data Analysis Technique	38
CHAPTER IV ANALYSIS	40
4.1. Energy in Indonesia.....	41
4.1.1. Energy Consumption.....	41
4.1.2. Production in Indonesia.....	45
4.1.3. Imports.....	47
4.2. Renewable Energy Aim	48
4.2.1. Bio-energy and Bio-diesel in Indonesia	52
4.2.2. Production of Biofuel.....	55
4.3. Internal Hindrances	Error! Bookmark not defined.
4.3.1. Existing infrastructure and consumption.....	57
4.3.2. Financing	Error! Bookmark not defined.
4.3.3. Incentive.....	Error! Bookmark not defined.
4.4. External Hindrances	70
4.4.1. Relations with Exporting Countries.....	70
CHAPTER V CONCLUSION	76
BIBLIOGRAPHY	81
APPENDICES	

LIST OF FIGURES

Figure 4.1 Final Energy Consumption of Indonesia in 2019	42
Figure 4.2 Share of Primary Energy Mix	44
Figure 4.3: Refinery Capacity of Indonesia	45
Figure 4.4: Final Energy Consumption by Type	46
Figure 4.5: Imports of Refined Products	47
Figure 4.6 Energy Consumption By Type	49
Figure 4.7: Expected Growth Rate Scenario	50
Figure 4.8 Primary Energy Supply By Sources	53
Figure 4.9 Domestic Oil Fuel Sales	54
Figure 4.10 Bioenergy production capacity	55
Figure 4.11 ASEAN renewable energy share	74

LIST OF ABBREVIATIONS



ASEAN	: Association of Southeast Asian Nations
BoE	: Barrels of Oil Equivalent
BaU	: Business as Usual
CPO	: Crude Palm Oil
EBTKE	: Energi Baru Terbarukan dan Konservasi Energi
IRENA	: International Renewable Energy Agency
Kl	: KiloLiter
LPG	: Liquefied Petroleum Gas
LNG	: Liquefied Natural Gas
OPEC	: Organization of the Petroleum Exporting Countries
PAO	: Palm Acid Oil
POME	: Palm Oil Mill Effluent
RK	: Redah Karbon
PB	: Pembangunan Berkelanjutan

LIST OF APPENDICES

APPENDIX A

Thesis Monitoring Form, Interview Permission Slip.....A-1

APPENDIX B

Investment Chart.....B-1

APPENDIX C

Interview Transcript.....C-1

APPENDIX D

Turnitin Report.....D-1

APPENDIX E

CV.....E-1

