MERGERS AND ACQUISITIONS ON FINANCIAL PERFORMANCE AND EFFICIENCY: EVIDENCE FROM NON-FINANCIAL COMPANIES LISTED IN INDONESIA STOCK EXCHANGE

By

Sarah Saleh Salem Al Zabidi 11703021

BACHELOR'S DEGREE

in

BUSINESS ADMINISTRATION- FINANCE AND BANKING CONCENTRATION FACULTY OF BUSINESS AND COMMUNICATION



SWISS GERMAN UNIVERSITY

The Prominence Tower
Jalan Jalur Sutera Barat No. 15, Alam Sutera
Tangerang, Banten 15143 - Indonesia

Revision After Thesis Defense on July 15, 2021

STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

Sarah Saleh Salem Al Zabidi	Suh
Student	Date 29/0
Approved by:	
Minketh	
Margaretha Tiur Pasuria Lingga, S.E., M.M.	
Thesis Advisor	Date 29/0
Dr.Nila Krisnawati Hidayat, S.E., M.M.	
Dean	Date

ABSTRACT

MERGERS AND ACQUISITIONS ON FINANCIAL PERFORMANCE AND EFFICIENCY: EVIDENCE FROM NON-FINANCIAL COMPANIES LISTED IN INDONESIA STOCK EXCHANGE

By

Sarah Saleh Salem Al Zabidi Margaretha Tiur Pasuria Lingga, S.E., M.M. Advisor

SWISS GERMAN UNIVERSITY

Numbers of M&A transactions in Indonesia and worldwide are increasing over the years. Companies conducted M&A as a growth strategy that in return would benefit them. This research examines whether there is significant difference in financial performance after M&A and whether efficiency improves after M&A. The sample of the study consists of 21 non-financial public companies that conducted M&A during the year 2011 to 2017. Wilcoxon signed rank test and Data Envelopment Analysis are used to process the data. The findings show that ROA, ROE and NPM decrease significantly after M&A. On the other hand, there are no significant differences in CR, DER, TATO and Tobin's Q after M&A. The result of the DEA for efficiency scores shows that only 8 companies experience an increase in efficiency scores after M&A. While efficiency scores for other 13 companies decrease after M&A. Therefore, this research concludes that efficiency does not improve after M&A.

Keywords: Mergers, Acquisitions, DEA, Financial Performance, Indonesia



DEDICATION

I dedicate this work to my parents, my family, and my advisor Margaretha Tiur Pasuria Lingga, S.E., M.M.



ACKNOWLEDGEMENTS

First and foremost, I express my sincere gratitude to Allah for giving me the strength and the capabilities to complete this thesis work.

During the process of completing this paper, I went through many obstacles and high-pressure time. Here I would like to express special thanks to my parents and my brothers and sister Bushra for their endless supports and for encouraging me to go further. Thank you for your supports and cares.

I would like to express my special thanks to my Advisor Ms. Margaretha Lingga for spending time and efforts to guide me from the beginning to the end of writing my paper. Thank you for your support, inputs, and recommendation. Without your support, this thesis would never have been accomplished.

I would like to thank lecturers from business administration department specially Mr. Yosman Bustaman, Mr. Nurdayadi, Mr. Fiter Abadi, Mr. Lucky, Mr. Rizky Adam, Ms. Wardatul Adawiyah, Mr. Super Tobing for their support, sharing their valuable experience and the valuable knowledge that enlightened me from semester one to the end of my journey in Swiss German university.

I would like to say thank you to my lovely friends that keep supporting me during my first day of university until the last day in writing my final paper. Special thanks to Aya and Nawal for their endless support and being there for me whenever I feel down even though we are in different countries.

Finally, I would like to thank all people that I cannot mention name by name who wished me the best and have helped me during all the time.

TABLE OF CONTENTS

	Page
STATEMENT BY THE AUTHOR	2
ABSTRACT	3
DEDICATION	5
ACKNOWLEDGEMENTS	6
CHAPTER 1 - INTRODUCTION	12
1.1. Background	12
1.2 Research Problem	16
1.3 Research Questions	17
1.4 Research Objectives	17
1.5 Scope and Limitation	17
1.6 Significance of Study	18
CHAPTER 2 - LITERATURE REVIEW	
2.1 Theoretical Perspectives	
2.2 Mergers and Acquisitions	21
2.2.1 Mergers and Acquisitions Motives	22
2.2.2 Factors Affecting Success and Failure of M&A	23
2.3 Evaluating Company Performance	24
2.3.1 Financial Performance	25
2.3.1.1 Financial Ratio Analysis	25
2.3.2 Company Efficiency	29
2.3.2.1 Data Envelopment Analysis	30
2.4 Literature about the DEA Model and Financial Performance	32
2.5 Mergers and Acquisitions Toward Company Financial Performance	33
2.5.1 Mergers and Acquisitions toward Liquidity	33
2.5.2 Mergers and Acquisitions toward Solvency Ratio	34
2.5.3 Mergers and Acquisitions toward Asset Management Ratio	34
2.5.4 Mergers and Acquisitions toward Profitability Ratios	35
2.5.5 Mergers and Acquisitions toward Market Measurement	35
2.6 Mergers and Acquisitions toward Efficiency	36
2.7 Internal Factors affecting post-M&A Performance	37
2.8 Previous Studies	39

Net Profit Margin69

4.3.1.6 4.3.1.7

MERGERS AND ACQUISITIONS ON FINANCIAL PERFORMANCE AND EFFICIENCY:	
EVIDENCE FROM NON-FINANCIAL COMPANIES LISTED IN INDONESIA STOCK EXCHANGE	
4.3.2 Result Analysis of Efficiency Using the DEA Model	70
4.4 Data Discussions	74
4.4.1 Data Discussion For Financial Performance	74
4.4.2 Data Discussion for Efficiency Using the DEA Model	78
4.5 Summary Of Data Discussion	79
CHAPTER 5 – CONCLUSIONS AND RECCOMENDATIONS	82
5.1 Conclusions	82
5.2 Recommendations	83
GLOSSARY	85
REFERENCES	86
APPENDICES	95
APPENDIX A: Normality Test	
APPENDIX B: Wilcoxon Signed Rank Test	96
APPENDIX D Efficiency Scores Result From The DEA	
CUDDICULUM VITAE	102

LIST OF FIGURES

Figures	Page
Figure 1.1 Number of M&A in Indonesia Raised to KPPU	16
Figure 3.1 Theoretical Framework	47
Figure 4.1 Mean of Current Ratio	58
Figure 4.2 Mean of Debt to Equity	59
Figure 4.3 Mean of Total Asset Turnover	60
Figure 4.4 Mean of Return on Equity	61
Figure 4.5 Mean of Return on Asset	62
Figure 4.6 Mean of Net Profit Margin	63
Figure 4.7 Mean of Tobin's Q Ratio	64
Figure 4.8 Mean of DEA	65

LIST OF TABLES

Table
Table 2.1 Theoretical Perspectives
Table 2.2 Previous Studies
Table 3.1 Sample Size
Table 3.2 Financial Performance Indicators
Table 3.3 Efficiency Using DEA Variables
Table 4.1 List of Companies Code and Industry
Table 4.2 Number of Companies in Each Industry
Table 4.3 Descriptive Statistics of Current Ratio
Table 4.4 Descriptive Statistics of Debt to Equity
Table 4.5 Descriptive Statistics of Total Asset Turnover
Table 4.6 Descriptive Statistics of Return on Equity
Table 4.7 Descriptive Statistics of Return on Asset
Table 4.8 Descriptive Statistics of Net profit Margin
Table 4.9 Descriptive Statistics of Tobin's Q Ratio
Table 4.10 Descriptive Statistics of DEA
Table 4.11 Wilcoxon Signed Rank Test of Current Ratio
Table 4.12 Wilcoxon Signed Rank Test of Debt-to-Equity Ratio
Table 4.13 Wilcoxon Signed Rank Test of Total Asset Turnover Ratio
Table 4.14 Wilcoxon Signed Rank test of Return on Equity
Table 4.15 Wilcoxon Signed Rank Test of Return on Asset Ratio
Table 4.16 Wilcoxon Signed Rank Test of Net profit Margin
Table 4.17 Wilcoxon Signed Rank test of Tobin's Q ratio
Table 4.18 Frequency of Companies Reaching Full Efficiency Score
Table 4.19 Average Efficiency Scores
Table 4.20 Companies Experienced a Decline in Efficiency Score Between Pre-M&A
and Post-M&A72
Table 4.21 Companies Experienced an Improvement in Efficiency Scores
Table 4.22 Summary of Hypothesis Testing Results