

**THE EFFECT OF EARNINGS MANIPULATION WITH USING M-SCORE  
ON STOCK RETURN**

**(Empirical Evidence in Indonesia Listed Companies on LQ45 at Indonesia Stock Exchange  
Period 2009-2011)**

**THESIS**

**Presented as Partial Fulfillment of the Requirements for the Degree of  
Sarjana Ekonomi (S1) in Accounting Program Faculty of Economics  
University of Atma Jaya Yogyakarta**



**Compiled by:**

**William Christianto**

**Student ID number: 091517993**

**FACULTY OF ECONOMICS  
UNIVERSITAS ATMA JAYA YOGYAKARTA  
YOGYAKARTA,  
JUNE 2014**

**Faculty of Economics**

**Universitas Atma Jaya Yogyakarta**

I hereby recommend that the thesis prepared under my supervision by

**William Christianto**

**Student ID Number: 091517993**

**Thesis Entitled**

**THE EFFECT OF EARNINGS MANIPULATION WITH USING M-SCORE  
ON STOCK RETURN**

**(Empirical Evidence in Indonesia Listed Companies on LQ45 at Indonesia Stock Exchange  
Period 2009-2011)**

Be accepted in partial fulfillment of the requirements for the degree of Sarjana

**Ekonomi (S1) in International Finance and Accounting Program**

**Faculty of Economics, Universitas Atma Jaya Yogyakarta**

Advisor,



Pratiwi Budiharta, SE., MSA., CA., Akt.

June 6<sup>th</sup>, 2014

This is to certify that the thesis entitled

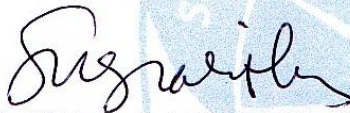
**THE EFFECT OF EARNINGS MANIPULATION WITH USING M-SCORE  
ON STOCK RETURN  
(Empirical Evidence in Indonesia Listed Companies on LQ45 at Indonesia Stock Exchange  
Period 2009-2011)**

Presented by  
William Christianto  
Student ID Number: 091517993

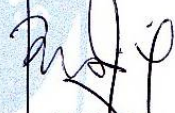
Has been defended and Accepted on July 3<sup>rd</sup>, 2014 towards fulfillment of the  
requirements for the Degree of Sarjana Ekonomi (S1)  
in International Financial Accounting Program  
Faculty of Economics, Universitas Atma Jaya Yogyakarta

Examination Committee

Chairman

  
Dr. I Putu Sugiarta S.SE., M.Si. Ak., C.A.

Members

  
Pratiwi Budiharta, SE., MSAI, Akt., C.A.

  
Dra. Dewi Ratnaningsih, MBA., Akt.

Yogyakarta, July 3<sup>rd</sup>, 2014

In The Name of Dean of Faculty of Economics

Universitas Atma Jaya Yogyakarta

Faculty of Economics  
Dean I

  
UNIVERSITAS ATMA JAYA YOGYAKARTA  
FAKULTAS EKONOMI

A. Jatmiko Wibowo, SE., SIP., MSF.

**Authenticity Acknowledgement**

I, William Christianto hereby declare that I compiled the thesis  
with the following title:

**THE EFFECT OF EARNINGS MANIPULATION WITH USING M-SCORE  
ON STOCK RETURN  
(Empirical Evidence in Indonesia Listed Companies on LQ45 at Indonesia Stock Exchange  
Period 2009-2011)**

I fully acknowledge that my writing does not contain others' or part (s) of  
others' writing, except for those that have been cited and mentioned in the  
references.

Yogyakarta, June 5<sup>th</sup>, 2014

A handwritten signature in black ink, appearing to read 'William Christianto', with a stylized flourish at the end.

William Christianto

**MOTTO**

**“I CAN DO ALL THINGS THROUGH CHRIST WHO STRENGTHENS ME”**

**(FILIPPI 4: 13)**

**“DON'T LET BE BENT BY THE LIMIT YOU SET YOURSELF”**

**(LET'S BRIDGE, FOCOLARE)**

**THE FUTURE BELONGS TO THOSE WHO BELIEVE IN THE BEAUTY OF THEIR DREAMS.**

**(ELEANOR ROOSEVELT)**

## ACKNOWLEDGEMENT

The Ultimate GRATITUDE goes to The One and Only my creator, God Almighty. Jesus Christ and Archangels, and their official regardless their ranks for blessing me in every breath that I take, for all His endless loves he gave to me through special people and moments I've been through. My praise and every thanks always go to you.

I am also grateful for all the people around me, carves me with the experience and knowledge as I have today, share their memories through my darkest and brightest day, ideas and encouragement during my education that I enjoy in Universitas Atma Jaya Yogyakarta. Thank you maybe not enough to replace all I have got from all people which help me to make this thesis done. But that is the best words I have to give all people who are patiently supporting me in did this thesis. Those people who did their "job" greatly for me as follows:

1. My parent Tinawati Makmur, my little brother David Christianto , who gave me all their greatest love, care, advice, motivation, and always give me support not to be distraught to complete my thesis and study. Having both of you as my family is one of the best things God ever gave to me. My Gratitude goes to you. Thank you! I love you.

2. My advisor, Pratiwi Budiharta, SE., MSA., Akt., CA. for her willingness to spend her time in guide me in finished my thesis. I am grateful for your patience, suggestions, understanding and cooperation in guiding me through the process in compiling my thesis. You are one of my favorite lecturers in international program!

3. My special thanks go to my friend that struggled with me through sadness and happiness: Fulgentio Benifo Brahm Saputra and His Family (Yohanes Dinasty), Thomas Rinto Mardadi,

Kleofas Norman Dekano, Leonardus Aditya Saka Utama. They all one of motivation that always support, care when I sick and lack of motivation, especially when I felt down, all of you bring me up and raised. All of them are my pride. Thank you!

4. Life is like a wheel, it always rotates, all of you light up my life whatever my situation are, your love and care, and I learn so many things from you, especially in fulfill spirituality in my daily life. My Special thanks go to you, Focolare movement, there are: Gustavo Matsumoto Rozendo Dos Santos (Brazilian), Paul Segarra and Caloy Adan (Filipino), Giuseppe Marengo (Italian), Joseph (Hongkong), Patrrick (American), Joy Bellamide (Filipino), Monica (German), Aileen (Hongkong), Tina (Filipino). And also my friend gen boys and gen girls that your name can not be mentioned one by one. My special thanks and love to you all!

5. My special thanks go to Amelia Apriyanti and her family that has supported me as long as I did my thesis, your love and care make my life more colorful and warm. Thank you!

6. My big thanks go to my friends in International Financial Accounting Program (IFAP) batch 2009; there are Arum, Nora, Voni, Winda, Rizky, and Regina, International Business Management Program (IBMP) batch 2009, IFAP 2008, IFAP 2010, IBMP 2010, IFAP 2011, IBMP 2011, IFAP 2012, and IBMP 2012. Thanks to you guys, you all are my very good partners!

7. My big thanks go to my International internship friends, there are: Yoga, Yosi, Andri, Tegar, Andre, Nora, Icha, Agnes, Adis, Tasha, and Nani. Thank you guys you all be my good friend and supported me as long as internship days!

8. My big thanks go to the special Priest, his name is Erick Ng Oba, and you always light up, support, bring me up when I felt down, and shares your spiritual spirit in my life. My special thanks always go to you!

9. My big thanks also go to you all of my friends, my big family (Tjuwati Makmur and Helena Henny Makmur), and all of my partner as long as I learned in Universitas Atma Jaya Yogyakarta and other abroad friend that cannot be mentioned one by one in this thesis. Thank you very much!

The writer realizes that there are still a lot of mistakes in this thesis, so let the writer apologizes before. Suggestions and comments are very welcome for the improvement of this thesis. At least but not at last the writer hopes that this thesis can bring advantages and useful to the readers.

Yogyakarta, June 5<sup>th</sup>, 2014

William Christianto



## TABLE OF CONTENTS

|   |             |
|---|-------------|
| <b>TITLE PAGE .....</b>                   | <b>i</b>    |
| <b>APPROVAL PAGE .....</b>                | <b>ii</b>   |
| <b>COMMITTEE’S APPROVAL PAGE .....</b>    | <b>iii</b>  |
| <b>AUTHENTICITY ACKNOWLEDGEMENT .....</b> | <b>iv</b>   |
| <b>MOTTO .....</b>                        | <b>v</b>    |
| <b>ACKNOWLEDGMENT .....</b>               | <b>vi</b>   |
| <b>TABLE OF CONTENTS.....</b>             | <b>ix</b>   |
| <b>LIST OF TABLES .....</b>               | <b>xiii</b> |
| <b>LIST OF APPENDICES .....</b>           | <b>xiv</b>  |
| <b>ABSTRACT .....</b>                     | <b>xv</b>   |
| <br>                                      |             |
| <b><u>CHAPTER I INTRODUCTION.....</u></b> | <b>1</b>    |
| 1.1 Background of Problem.....            | 1           |
| 1.2 Formulation of The Problem .....      | 5           |
| 1.3 Objective of The Research .....       | 5           |
| 1.4 Contribution of The Research .....    | 6           |
| 1.5 Data Analysis .....                   | 6           |
| 1.6 Systematic Content.....               | 6           |

## **CHAPTER II THEORETICAL BACKGROUND AND HYPOTHESIS**

|  |    |
|--|----|
| <b>DEVELOPMENT</b> .....                                   | 9  |
| 2.1 Financial Statements.....                              | 9  |
| 2.1.1 Components of Financial Statements .....             | 10 |
| 2.1.2 Basic Assumption of Financial Statements .....       | 12 |
| 2.2 Earnings and Accrual Basis.....                        | 14 |
| 2.3 Earnings Management and Agency Theory .....            | 15 |
| 2.3.1 Motivations of Earnings Management.....              | 17 |
| 2.4 Earnings Manipulation .....                            | 19 |
| 2.4.1 Techniques of Earnings Manipulation.....             | 20 |
| 2.4.2 Earnings Manipulation and Earnings management .....  | 23 |
| 2.5 Detection of Earnings Manipulation using M-score ..... | 24 |
| 2.6 Stock Return .....                                     | 28 |
| 2.7 Previous Research .....                                | 30 |
| 2.8 Hypothesis Development .....                           | 31 |

## **CHAPTER III RESEARCH METHODOLOGY** ..... 35

|  |    |
|--|----|
| 3.1 Population and Research Samples..... | 35 |
| 3.2 Data Collection Method .....         | 36 |
| 3.3 Dependent Variable.....              | 37 |
| 3.4 Independent Variable .....           | 39 |

|   |                                  |           |
|---|----------------------------------|-----------|
| 3.5   | Control Variables .....          | 42        |
| 3.5.1   | Leverage.....                    | 42        |
| 3.5.2   | Book To Market Value .....       | 43        |
| 3.6   | Data Analysis .....              | 42        |
| 3.6.1   | Normality Test .....             | 43        |
| 3.6.2   | Multicollinearity Test .....     | 43        |
| 3.6.3   | Heteroscedasticity Test.....     | 44        |
| 3.6.4   | Autocorrelation Test .....       | 44        |
| 3.6.4   | Hypothesis Test.....             | 45        |
| <b><u>CHAPTER IV DATA ANALYSIS AND DISCUSSION .....</u></b> |                                  | <b>48</b> |
| 4.1   | Descriptive Statistics .....     | 49        |
| 4.2   | Normality Test.....              | 50        |
| 4.2   | Multicollinearity Test .....     | 51        |
| 4.2   | Heteroscedasticity Test.....     | 52        |
| 4.2   | Autocorrelation Test.....        | 53        |
| 4.3   | Hypothesis test .....            | 53        |
| 4.4   | Discussion .....                 | 55        |
| <b><u>CHAPTER V CONCLUSION .....</u></b>                    |                                  | <b>57</b> |
| 5.1   | CONCLUSION .....                 | 57        |
| 5.2   | LIMITATIONS AND SUGGESTION ..... | 57        |

**REFERENCES..... 58**  
**APPENDICES ..... 61**



## LIST OF TABLES

|   |    |
|---|----|
| TABLE 1 : Earnings Manipulation and Earnings Management ..... | 24 |
| TABLE 2 : Sampling Results Table .....                        | 36 |
| TABLE 3 : Descriptive Statistics.....                         | 48 |
| TABLE 4 : Normality Test .....                                | 50 |
| TABLE 5 : Collinearity Statistic Table .....                  | 50 |
| TABLE 6 : Heteroscedasticity Test .....                       | 51 |
| TABLE 7 : Autocorrelation Table .....                         | 52 |
| TABLE 8 : Coefficient of Determination Table .....            | 53 |
| TABLE 9 : Goodness of Fit Table.....                          | 54 |
| TABLE 10 : Multiple Linear Regression Table .....             | 54 |

## LIST OF APPENDICES

|  |     |
|--|-----|
| APPENDIX 1 : List of Company Sample Table .....                        | 61  |
| APPENDIX 2 : Suspected Company by M-Score Model and CAR .....          | 62  |
| APPENDIX 3 : List of Dummy Variable for M-score in Year 2009 .....     | 63  |
| APPENDIX 4 : List of Dummy Variable for M-score in Year 2010 .....     | 64  |
| APPENDIX 5 :List of Dummy Variable for M-score in Year 2011 .....      | 65  |
| APPENDIX 6 : List of Company of M-score Calculation 2009 .....         | 67  |
| APPENDIX 7 : List of Company of M-score Calculation 2010 .....         | 69  |
| APPENDIX 8 : List of Company of M-score Calculation 2011 .....         | 72  |
| APPENDIX 9 : Date of Financial Report 2009 Published .....             | 76  |
| APPENDIX 10: Date of Financial Report 2010 Published .....             | 77  |
| APPENDIX 11: Date of Financial Report 2011 Published .....             | 78  |
| APPENDIX 12 : Cumulative Abnormal Return in Year 2010 .....            | 80  |
| APPENDIX 13: Cumulative Abnormal Return in Year 2011 .....             | 87  |
| APPENDIX 14: Cumulative Abnormal Return in Year 2012 .....             | 95  |
| APPENDIX 15 : Calculation of Leverage and MTB Value in Year 2009 ..... | 107 |
| APPENDIX 16: Calculation of Leverage and MTB Value in Year 2010 .....  | 107 |
| APPENDIX 17: Calculation of Leverage and MTB Value in Year 2011 .....  | 108 |

**THE EFFECT OF EARNINGS MANIPULATION WITH USING M-SCORE  
ON STOCK RETURN**

**(Empirical Evidence in Indonesia Listed Companies on LQ45 at Indonesia Stock**

**Exchange Period 2009-2011)**

**ABSTRACT**

**Compiled by:**

**William Christianto**

**ID Number: 09 15 17993**

**Supervisor :**

**Pratiwi Budiharta, S.E., MSA., Akt., CA.**

**Abstract**

Beneish M-score model is the detection tool to help to uncover companies who are likely to be manipulating their reported earnings. Companies with a higher M-score are more likely to be manipulators. This is a probabilistic model, so it will not detect manipulators with 100% accuracy. This research has an objective to prove earnings manipulation detection using Beneish M-score model has an impact to stock return in Indonesia listed companies on LQ45 at Indonesia Stock Exchange period 2009-2011.

Data used in the form of secondary data and were obtained using secondary archival data collection methods. Independent variable in this research is Earnings Manipulation which was detected using M-score Beneish Model, control variables are leverage and Book to Market Value, and dependent variable in this research is stock return that is represented by Cumulative Abnormal Return (CAR). Sample of the research used purposive sampling with goal to obtain criteria sample.

Through the data analysis, it is concluded that the hypothesis is accepted, it means earnings manipulation with using M-score has negative influence to stock return.

**Keywords: Earnings manipulation, M-score Beneish Model, and Cumulative Abnormal Return (CAR)**