TABLE OF CONTENTS

page

COVER PAGE

TITLE PAGE

DECLARATION OF AUTHENTICITY OF FINAL PAPER AND UPLOAD AGREEMENT ii

APPROVAL PAGE BY FINAL PAPER ADVISOR..... iv

APPROVAL PAGE BY FINAL PAPER DEFENSE COMMITTEE.....v

ABSTRACT vi

ABSTRAK vii

PREFACE..... viii

TABLE OF CONTENTS.....x

LIST OF FIGURES xiv

LIST OF TABLES xv

LIST OF APPENDICES xvi

CHAPTER 1 INTRODUCTION

1.1. Background of the study 1

1.2. Problem Limitation 10

1.3. Problem Formulation 10

1.4. Objective of the research.....11

1.5. Benefit of the Research 12

1.5.1. Theoretical Benefit 12

1.5.2. Practical Benefit.....12

1.5.3. Researchers Benefit 12

CHAPTER II LITERATURE REVIEW AND HYPOHESIS DEVELOPMENT

2.1. Theoretical Background 13

2.1.1. Signalling Theory 13

2.1.2. Debt to Equity Ratio 15

2.1.3. Firm Size 18

2.1.4. Total Asset Turnover 20

2.1.5. Return on Asset (ROA) 23

2.2. Previous Research 26

2.3. Hypothesis Development 28

2.3.1. The Influence of Debt-to-Equity Ratio toward Return on Asset 28

2.3.2. The Influence of Firm Size toward Return on Assets 29

2.3.3. The Influence of Total Asset Turnover toward Return on Assets 30

2.3.4. The Influence of Debt-to-Equity Ratio, Firm Size, and Total Asset Turnover toward Return on Asset 31

2.4. Research Model 33

2.5. Framework of Thinking 34

CHAPTER III RESEARCH METHODOLOGY

3.1. Research Design 35

3.2. Population and Sample 36

3.3. Data Collection Method 39

3.4. Operational Variable Definition and Variable Measurement 39

3.4.1. Debt to Equity Ratio (X1) 40

3.4.2. Firm Size (X2) 40

3.4.3. Total Asset Turnover (X3) 41
3.4.4. Return on Assets (Y) 41
3.5. Data Analysis Method 42
3.5.1. Descriptive Statistics 42
3.5.2. Classical Assumption Test 43
3.5.2.1. Normality Test 43
3.5.2.2. Multicollinearity Test 45
3.5.2.3. Heteroscedasticity Test 45
3.5.2.4. Autocorrelation Test 46
3.5.3. Multiple Linear Regression Analysis 47
3.5.4. Hypothesis Test 48
3.5.4.1. Parameter Individual Significance Test (T-test) 48
3.5.4.2. Simultaneous Significance Test (F-test) 49
3.5.4.3. Coefficient of Determination (Adjusted R^2) 49
3.5.4.4. Effective and Relative Contribution 50

CHAPTER IV RESEARCH RESULT AND DISCUSSION

4.1. General View of Food and Beverage Companies listed on Indonesia Stock Exchange (IDX) 51
4.2. Results of Data Analysis 60
4.2.1. Descriptive Statistics 60
4.2.2. Results of Classical Assumption Test 62
4.2.2.1. Normality Test 62
4.2.2.2. Multicollinearity Test 64
4.2.2.3. Heteroscedasticity Test 65

4.2.2.4. Autocorrelation Test 67
4.2.3. Multiple Linear Regression Analysis 69
4.2.4. Result of Hypothesis Testing 70
4.2.4.1. Parameter Individual Significance Test (t-Test) 70
4.2.4.2. Simultaneous Significance Test (F-Test) 72
4.2.4.3. Coefficient of Determination (Adjusted R^2) 73
4.2.4.4. Effective and Relative Contribution 74
4.3. Discussion 76
4.3.1. The Influence of Debt-to-Equity Ratio towards Return on Assets 77
4.3.2. The Influennce of Firm Size towards Return on Assets 77
4.3.3. The Influence of Total Asset Turnover towards Return on Assets 78
4.3.4. The Influence of Debt-to-Equity Ratio, Firm Size, and Total Asset Turnover toward Return on Assets 79

CHAPTER V CONCLUSION

5.1. Conclusion 81
5.2. Recommendation 83
REFERENCES 85

LIST OF FIGURES

page

Figure 1. 1 Contribution of the business sector to GDP (in billions of rupiah) 3
Figure 1. 2 GDP contribution of food and beverage sector (in billions of rupiah) ..4
Figure 1. 3 Population growth in Indonesia 5
Figure 2. 1 Research Model 33
Figure 2. 2 Framework of Thinking 34
Figure 4. 1 Histogram of Normality Test 63
Figure 4. 2 Probability Plot of Normality Test 63
Figure 4. 3 Scatterplot Graph Test 66
Figure 4. 4 Tcount and Ttable Comparisons with Curves 71

LIST OF TABLES

Page

Table 1. 1 The Comparison of Debt-to-Equity Ratio, Firm Size, Total Asset Turnover and Return on Assets of Food and Beverage Companies listed in Indonesia Stock Exchange During 2016-2019 8
Table 2. 1 Criteria for firm Size 19
Table 2. 2 Previous Research 26
Table 3. 1 Criteria of Sample Selection 37
Table 3. 2 Definition of Operational Variable and Variable Measurement 41
Table 3. 3 Form of Data Transformation 44
Table 4. 1 Descriptive Statistics 61
Table 4. 2 One-Sample Kolmogorov-Smirnov Test Result 64
Table 4. 3 Multicollinearity Test Result 65
Table 4. 4 Heteroscedasticity Test using Glejser Test 66
Table 4. 5 Autocorrelation Test using Durbin-Watson Test Result 67
Table 4. 6 Autocorrelation Test using Durbin-Watson Test with Cochrane Orcutt Method Result 68
Table 4. 7 Summary of Classical Assumption Test Result 68
Table 4. 8 Multiple Linear Regression Analysis 69
Table 4. 9 T-Test Result 70
Table 4. 10 F-Test Result 72
Table 4. 11 Coefficient of Determination (Adjusted R2) Result 74
Table 4. 12 Pearson Correlation 74
Table 4. 13 Effective and Relative Contribution 75
Table 4. 14 Effective Contribution 75
Table 4. 15 Relative Contribution 76
Table 4. 16 Summary of Hypothesis Test Result 79

LIST OF APPENDICES

page

APPENDIX A : LIST OF POPULATION AND SAMPLE OF FOOD AND BEVERAGE COMPANIES LISTED ON INDONESIA STOCK EXCHANGE IN THE PERIOD YEAR 2016-2019 ..... A-1
APPENDIX B : CALCULATION OF DEBT TO EQUITY RATIO (DER) B-1
APPENDIX C: CALCULATION OF FIRM SIZE C-1
APPENDIX D: CALCULATION OF TOTAL ASSET TURNOVER (TATO)……..…….D-1
APPENDIX E: CALCULATION OF RETURN ON ASSETS (ROA)……...E-1
APPENDIX F: SPSS OUTPUTS RESULTS F-1
APPENDIX G: STATISTICAL TABLE..... G-1