



**THE EFFECT OF THE EIGHT BENEISH VARIABLES TO
THE M-SCORE RESULT ON THE PROPERTY AND REAL
ESTATE SECTOR IN 2019-2023**

UNDERGRADUATE THESIS

Submitted as one of the requirements to obtain

Sarjana Akuntansi

By:

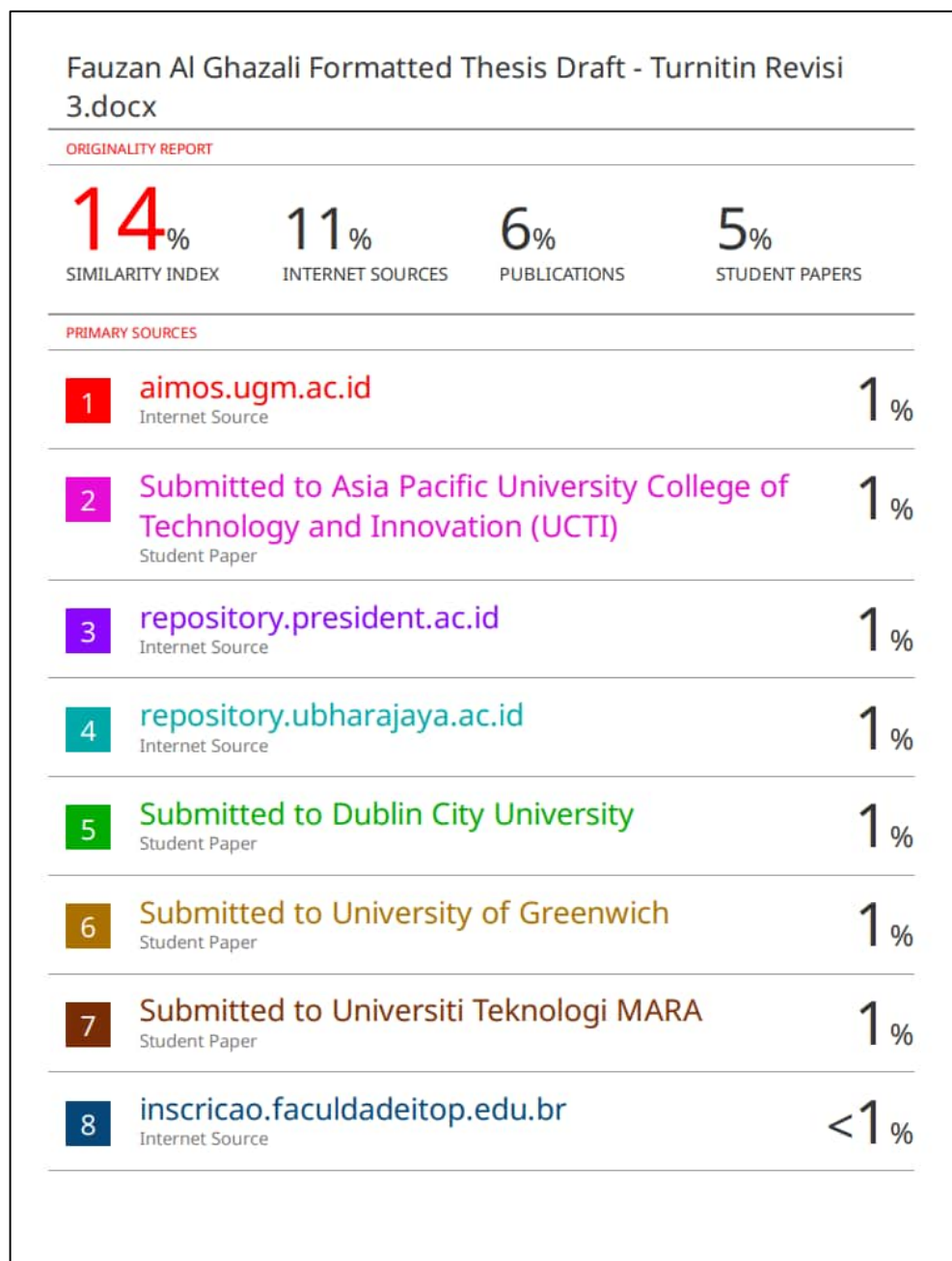
FAUZAN AL GHAZALI

008202100005

**FACULTY OF BUSINESS
ACCOUNTING STUDY PROGRAM
CIKARANG
SEPTEMBER, 2024**

PLAGIARISM CHECK RESULT

THE EFFECT OF THE EIGHT BENEISH VARIABLES TO THE M- SCORE RESULT ON THE PROPERTY AND REAL ESTATE SECTOR IN 2019-2023



PLAGIARISM CHECK RESULT

THE EFFECT OF THE EIGHT BENEISH VARIABLES TO THE M- SCORE RESULT ON THE PROPERTY AND REAL ESTATE SECTOR IN 2019-2023

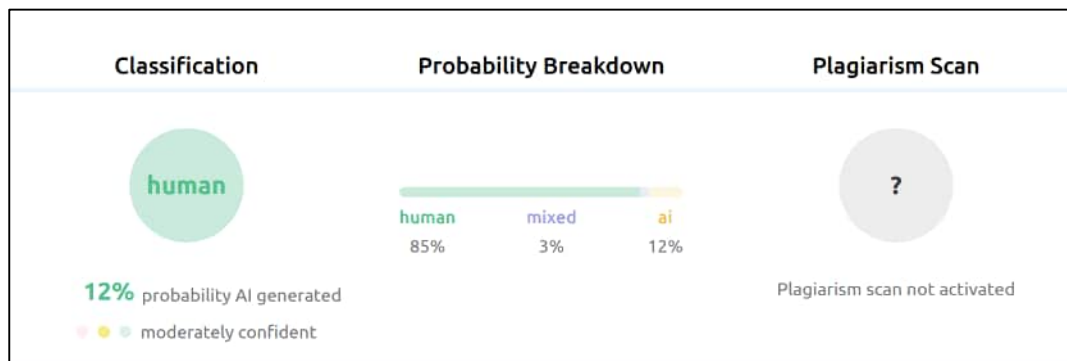


TABLE OF CONTENTS

PAGE COVER.....	0
PANEL OF EXAMINERS' APPROVAL SHEET	i
STATEMENT OF ORIGINALITY	ii
SCIENTIFIC PUBLICATION APPROVAL FOR ACADEMIC INTEREST	iii
ADVISOR'S APPROVAL FOR PUBLICATION	iv
PLAGIARISM CHECK RESULT	v
PLAGIARISM CHECK RESULT	vi
ACKNOWLEDGEMENT	vii
TABLE OF CONTENTS	viii
LIST OF FIGURES	x
ABSTRACT	xii
INTISARI.....	xiii
CHAPTER I INTRODUCTION	1
1.1 Research Background.....	1
1.2 Research Problem	3
1.3 Research Objective	3
1.4 Research Scope and Limitation	3
1.5 Research Benefits	4
CHAPTER II LITERATURE REVIEW.....	5
2.1 Theory	5
2.1.1 Financial Statement.....	5
2.1.2 Fraud	5
2.1.3 The Beneish Model.....	5
2.2 Research Framework	6
2.2.1 Independent Variables	6
2.2.2 Dependent Variable	7
2.3 Hypothesis Development	7
2.3.1 Partial Effect	7
2.3.2 Simultaneous Effect.....	8

CHAPTER III RESEARCH METHOD	9
3.1 Data Collection.....	9
3.2 Variables and Measurement	9
3.2.1 Independent Variable	9
3.2.2 Dependent Variable	11
3.3 Research Model	11
CHAPTER IV RESULT ANALYSIS, DISCUSSION AND IMPLICATION	12
4.1 Classical Assumption Test	12
4.1.1 Multicollinearity Test	12
4.1.2 Autocorrelation Test	13
4.1.3 Heteroscedasticity Test	15
4.1.4 Normality Test	15
4.2 Parametric Test.....	18
4.2.1 The t-Test.....	18
4.2.2 The f-Test.....	19
4.2.3 The Contribution.....	20
CHAPTER V CONCLUSION, LIMITATIONS AND SUGGESTIONS	23
5.1 Conclusion.....	23
5.2 Limitation	23
5.3 Recommendation.....	23
REFERENCES.....	24
APPENDIX.....	27

LIST OF FIGURES

Figure 1. 1 Sanksi IDX (Indonesian Stock Exchange, 2024)	2
Figure 3. 1 DSRI formula (Aulia & Arfianti, 2023)	9
Figure 3. 2 GMI formula (Aulia & Arfianti, 2023).....	10
Figure 3. 3 AQI formula (Aulia & Arfianti, 2023)	10
Figure 3. 4 SGI formula (Aulia & Arfianti, 2023).....	10
Figure 3. 5 DEPI formula (Aulia & Arfianti, 2023)	10
Figure 3. 6 SGAI formula (Aulia & Arfianti, 2023).....	10
Figure 3. 7 LVGI formula (Aulia & Arfianti, 2023).....	10
Figure 3. 8 TATA formula (Aulia & Arfianti, 2023).....	11
Figure 3. 9 Beneish M-Score formula (Aulia & Arfianti, 2023)	11
Figure 4. 1 Descriptive Statistics	12
Figure 4. 2 Multicollinearity test.....	12
Figure 4. 3 Durbin-Watson decision rules (Gujarati, 2003).....	13
Figure 4. 4 Autocorrelation test	14
Figure 4. 5 Heteroscedasticity test	15
Figure 4. 6 Graphic analysis test	16
Figure 4. 7 Shapiro-Wilk test	16
Figure 4. 8 Kolmogorov-Smirnov test	17
Figure 4. 9 T-test	18
Figure 4. 10 T-table distribution (Sugiyono, 2007)	18
Figure 4. 11 F-test	19
Figure 4. 12 F-table distribution (Sugiyono, 2007).....	20
Figure 4. 13 Contribution variables sources	21
Figure 4. 14 Contribution variables	22
Figure 4. 15 Effective Contribution formula 1 (Lestasi, 2023).....	22
Figure 4. 16 Effective Contribution formula 2 (Lestasi, 2023).....	22
Figure 4. 17 Relative Contribution formula (Lestasi, 2023).....	22
Figure 4. 18 Effective and Relative Contribution results.....	22
Appendix 1 Written Warning 2019.....	27

Appendix 2 Written Warning 2020.....	29
Appendix 3 Written Warning 2021.....	30
Appendix 4 Written Warning 2022.....	32
Appendix 5 Written Warning 2023.....	33
Appendix 6 The Beneish M-Score calculation	35
Appendix 7 Parametric test result	35
Appendix 8 Shapiro-Wilk test result.....	37
Appendix 9 Kolmogorov-Smirnov test result	38

ABSTRACT

The Beneish M-Score exist as a model highly deployed in financial statement fraud research. A diversity of results in previous research has brought up a concern about the effectiveness of its formula. The author aims to research whether the variables affect the M-Score result both partially and simultaneously. The sample utilized within author's research is sector from the Property and Real Estate from 2019 until 2023. The method of testing will be using the t-test and f-test to comprehend reaction from its variables to M-Score result. The author limits this research only to the Property and Real Estate sector from 2019 until 2023. By any chance future research will be conducted, the researcher is suggested to use a different sector to see its relevance among sectors or use a different time range to see its relevance among periods.

Keywords: *Beneish M-Score, Financial Statement Fraud, Property and Real Estate*

INTISARI

Beneish M-Score hadir sebagai model yang banyak digunakan pada penelitian penipuan laporan keuangan. Keberagaman hasil dari penelitian sebelumnya membawa kekhawatiran tentang keampuhan rumusnya. Penulis bertujuan untuk meneliti apakah variabel-variabel dari rumus Beneish dapat mempengaruhi hasil M-Score secara sebagian dan secara serentak. Sampel yang digunakan dalam penelitian penulis adalah sektor Properti dan Real Estate dari tahun 2019 sampai 2023. Metode pengujian akan menggunakan uji t dan uji f untuk memahami reaksi dari variabel-variabel Beneish kepada hasil M-Score. Penulis membatasi penelitian ini hanya dengan menggunakan sektor Properti dan Real Estate pada tahun 2019 sampai dengan 2023. Jika suatu saat akan dilakukan penelitian lebih lanjut, penulis menyarankan agar menggunakan sektor lain untuk melihat relevansinya di antara sektor, atau menggunakan rentang waktu terbaru untuk melihat relevansinya di antara periode.

Kata Kunci: *Beneish M-Score, Penipuan Laporan Keuangan, Properti dan Real Estate*