STUDENTS' VOICE ON THE USE OF AI-POWERED GRAMMAR CHECKER IN WRITING UNDERGRADUATE THESIS

BACHELOR THESIS

By

Fahrul Rayhan Muhammad

2000004107

ENGLISH LANGUAGE EDUCATION STUDY PROGRAM

FACULTY OF TEACHER TRAINING AND EDUCATION

UNIVERSITAS AHMAD DAHLAN

YOGYAKARTA

2023/2024

STUDENTS' VOICE ON THE USE OF AI-POWERED GRAMMAR CHECKER IN WRITING UNDERGRADUATE THESIS

BACHELOR THESIS

Submitted to the Faculty of Teacher Training and Education
Universitas Ahmad Dahlan Yogyakarta as a Partial Fulfillment of the Requirements
for the Attainment of *Sarjana Pendidikan*

By

Fahrul Rayhan Muhammad

2000004107

ENGLISH LANGUAGE EDUCATION STUDY PROGRAM
FACULTY OF TEACHER TRAINING AND EDUCATION
UNIVERSITAS AHMAD DAHLAN
YOGYAKARTA
2023/2024

BACHELOR THESIS

STUDENTS' VOICE ON THE USE OF AI-POWERED GRAMMAR CHECKER IN WRITING UNDERGRADUATE THESIS

written by

Fahrul Rayhan Muhammad

2000004107

Approved by
Bachelor Thesis Supervisor of
English Education Study Program,
Faculty of Teacher Training and Education
Universitas Ahmad Dahlan
And declared eligible for examination

Supervisor,

Rahmi Munfangati, M.Pd.
NIPM 19850211 201311 011 1141422

BACHELOR THESIS

STUDENTS' VOICE ON THE USE OF AI-POWERED GRAMMAR CHECKER IN WRITING UNDERGRADUATE THESIS

written by

Fahrul Rayhan Muhammad
2000004107

Defended before the board of examiners of
Faculty of Teacher Training and Education
Universitas Ahmad Dahlan on June 11th, 2024
and has been Declared fulfilling the Requirements for the attainment of the Degree of *Sarjana Pendidikan*

BOARD OF EXAMINERS

1.	**Chief Examiner**	**:**	**Rahmi Munfangati, M.Pd.**
2.	**Examiner I**	**:**	**Dr. Azwar Abbas, M.Hum.**
3.	**Examiner II**	**:**	**Prayudha, S.Pd., M.A.**

Yogyakarta, … … …th, 2024
Faculty of Teacher Training and Education
Universitas Ahmad Dahlan
Dean,

Muhammad Sayuti, M.Pd., M.Ed., Ph.D.
NIPM 19710317 201601 111 0763796

PERNYATAAN TIDAK PLAGIAT

Saya yang bertanda tangan dibawah ini:

Nama	: Fahrul Rayhan Muhammad
NIM	: 200004107
Email	: fahrulrayhanm@gmail.com
Program Studi	: Pendidikan Bahasa Inggris
Fakultas	: Fakultas Keguruan dan Ilmu Pendidikan
Judul Tesis	: Students' Voice on The Use of AI-powered Grammar Checker in Writing Undergraduate Thesis

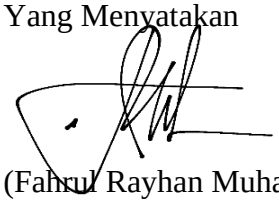
Dengan ini menyatakan bahwa:

1. Hasil karya yang saya serahkan ini adalah asli dan belum pernah mendapatkan gelar kesarjanaan baik di Universitas Ahmad Dahlan maupun di institusi pendidikan lainnya.
2. Hasil karya saya ini bukan saduran/terjemahan melainkan merupakan gagasan, rumusan, dan hasil pelaksanaan penelitian dan implementasi saya sendiri, tanpa bantuan pihak lain kecuali arahan pembimbing akademik dan narasumber penelitian.
3. Hasil karya saya ini merupakan hasil revisi terakhir setelah diujikan yang telah diketahui dan di setujui oleh pembimbing.
4. Dalam karya saya ini tidak terdapat karya atau pendapat yang telah ditulis atau dipublikasikan orang lain, kecuali yang digunakan sebagai acuan dalam naskah dengan menyebutkan nama pengarang dan dicantumkan dalam daftar pustaka.

Pernyataan ini saya buat dengan sesungguhnya. Apabila di kemudian hari terbukti ada penyimpangan dan ketidakbenaran dalam pernyataan ini maka saya bersedia menerima sanksi akademik berupa pencabutan gelar yang telah diperoleh karena karya saya ini, serta sanksi lain yang sesuai dengan ketentuan yang berlaku di Universitas Ahmad Dahlan.

Yogyakarta, 05 Juni 2024

Yang Menyatakan



(Fahrul Rayhan Muhammad)

PERNYATAAN PERSETUJUAN AKSES

Saya yang bertanda tangan di bawah ini:

Nama	: Fahrul Rayhan Muhammad
NIM	: 2000004107
Email	: fahrulrayhanm@gmail.com
Fakultas	: Fakultas Keguruan dan Ilmu Pendidikan
Program Studi	: Pendidikan Bahasa Inggris
Judul tugas akhir	: Students' Voice on The Use of AI-powered Grammar Checker in Writing Undergraduate Thesis

Dengan ini saya menyerahkan hak sepenuhnya kepada Perpustakaan Universitas Ahmad Dahlan untuk menyimpan, mengatur akses serta melakukan pengelolaan terhadap karya saya ini dengan mengacu pada ketentuan akses tugas akhir elektronik sebagai berikut

Saya (mengijinkan/~~tidak mengijinkan~~) karya tersebut diunggah ke dalam Repository Perpustakaan Universitas Ahmad Dahlan.

Demikian pernyataan ini saya buat dengan sebenarnya.

Yogyakarta, 05 Juni 2024

Yang Menyatakan

(Fahrul Rayhan Muhammad)

Mengetahui,

Pembimbing

Rahmi Munfangati, M.Pd.

NIPM 19850211 201311 011 1141422

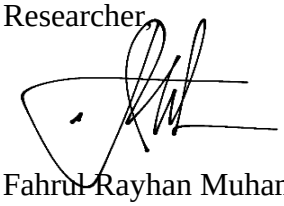
STATEMENT OF OWNERSHIP

This undersigned below:

Name	: Fahrul Rayhan Muhammad
NIM	: 2000004107
Study Program	: English Language Education Study Program
Faculty	: Teacher Training and Education
University	: Universitas Ahmad Dahlan

Declare for certain that this thesis "Students' Voice on The Use of AI-powered Grammar Checker in Writing Undergraduate Thesis" is a presentation of my original research work and to the best of my knowledge, it contains no material written by others as a requirement for completion of studies at this college or any other college except certain parts that I take as reference by following the usual procedures and ethics of writing scientific papers. If it is proven that this statement is untrue, it is entirely my responsibility.

Yogyakarta, June 5th, 2024
Researcher,



Fahrul Rayhan Muhammad

MOTTO

"So, surely with hardship comes ease. Surely with (that) hardship comes (more) ease. So, once you have fulfilled (your duty), strive (in devotion)"

QS. Al-Insyirah 94:5-7

"Better to be slightly different rather than slightly better"

Pandji Pragiwaksono

DEDICATION

I want to thank the blessing of great Allah S.W.T. for giving me mercies and blessings. Greetings to our savior Muhammad SAW, who brought us from the depths of darkness to the bright light of today. I would like to dedicate this research to the following:

1. My beloved mother, Ermina Zaenah, for supporting me mentally, and financially and for her sincere love, never-ending support, and prayers. May Allah always guide and bless you. I love you, Mah.
2. My dearest friends. Saniatul Arnikmah Asmuni, Evita Hardyanti, Taufiq Ismail, Indah Naufal Hidayah, Ninditya Rian Cahyani, and Fadila Vani Dea Risanti to continually support and help me in difficulties.
3. The English Language Education Study Program students are respondents to this research.
4. To those who cannot be mentioned individually, thank you for being friends with me, thank you for giving me a colorful atmosphere during this college life. Thank you for being willing to help and be bothered by me even though you don't know the time and don’t be a stranger, please don’t be a stranger to me.

ACKNOWLEDGEMENT

Alhamdulillahirabbil'alamin. Praise and gratitude to the researcher poured into the presence of Allah SWT, who has given His mercy and guidance to the researcher so that this thesis can be completed properly. *Shalawat* and *salam* are always poured out to the Prophet Muhammad SAW, who has brought mankind to the bright ages.

On this occasion, the researcher expressed his gratitude to all those who have provided assistance, direction, and encouragement during the researcher's work on this thesis. Therefore, the researcher expresses his gratitude to:

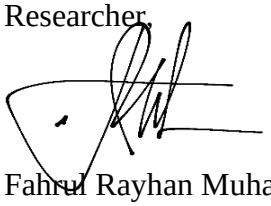
1. Dr. Muchlas, M.T., Rector of Universitas Ahmad Dahlan, who has given the opportunity to the researcher to study at this Institution;
2. Muhammad Sayuti, M.Pd., M.Ed., Ph.D., the Dean Faculty of Teacher Training and Education, who has given research permission to the researcher to complete this thesis task;
3. Sucipto, M.Pd.B.I., Ph.D., the Head of English Education Study Program, who has given direction and encouragement to the researcher to draft the thesis;
4. Rahmi Munfangati, M.Pd. as supervisor who has given direction, instructions and encouragement to the researcher for the thesis writing;
5. Dr. Azwar Abbas, M.Hum., and Prayudha, S.Pd., M.A. as examiner I and examiner II who have provided useful suggestions for thesis revision;

6. The entire staff of Universitas Ahmad Dahlan Yogyakarta who have provided convenience and assistance in thesis writing;

7. All parties that cannot be mentioned one by one who have helped a lot either directly or indirectly.

It is a prayer that the help and good deeds given to the researcher get the reward and pleasure of Allah SWT. The researcher realizes this thesis is far from perfection. Therefore, the criticism and advice that builds the researcher expects for the perfection of this thesis.

Yogyakarta, June 5th, 2024
Researcher,



Fahrul Rayhan Muhammad
NIM 2000004107

TABLE OF CONTENTS

TITLE i
APPROVAL PAGE ii
RATIFICATION PAGE iii
STATEMENT OF OWNERSHIP vi
MOTTO vii
DEDICATION viii
ACKNOWLEDGEMENT ix
TABLE OF CONTENTS xi
LIST OF APPENDICES xiii
ABSTRACT xiv
CHAPTER I INTRODUCTION 1
A. Background of Study 1
B. Identification of the Problem 5
C. Formulation of Problem 6
D. Objective of Study 6
E. Focus of Study 6
F. Significance of Study 7
CHAPTER II THEORETICAL REVIEW 8
A. Theoretical Review 8
1. Students' Voice 8
2. AI Grammar Checker 10
3. Writing Undergraduate Thesis 13
B. Review on the Previous Studies 16
CHAPTER III RESEARCH METHOD 20
A. Type of Study 20
B. Research Setting 21
C. Research Subject 21
D. Research Instrument 22
E. Data Collection Technique 25
F. Data Trustworthiness 27
G. Data Analysis Technique 27
CHAPTER IV FINDINGS AND DISCUSSION 29

A. Research Findings 29
B. Discussion 45
CHAPTER V CONCLUSIONS AND SUGGESTIONS 56
A. Conclusions 56
B. Suggestions 58
C. Implication of The Study 59
D. Limitation of The Study 61
REFERENCES 62
APPENDIX 67

LIST OF APPENDICES

Appendix 1. SK Pembimbing Skripsi …….. 68
Appendix 2. SK Penguji Skripsi …….. 69
Appendix 3. Instrumen Penelitian ……... 70
Appendix 6. Surat Keterangan Validasi Instrumen ……. 71
Appendix 7. Transkrip Interview ……..… 74
Appendix 8. Axial dan Selective Coding ……. 87

Muhammad, Fahrul Rayhan. 2024. “Students' Voice on The Use of AI-powered Grammar Checker in Writing Undergraduate Thesis”. S1 Thesis. Yogyakarta: Universitas Ahmad Dahlan.

ABSTRACT

Writing a thesis is a mandatory requirement for university students. During the thesis writing process, second language learners often face challenges, with one common issue being grammar mistakes. In the thesis program at Universitas Ahmad Dahlan, grammar is assessed and it is stated that being proficient in grammar, spelling, and mechanics is important. Currently, there are AI-powered grammar checker applications that help students check their grammar usage. These applications have become popular among students as they assist in thesis writing. Thus, this research aims to explore students' opinions on using an AI grammar checker while writing their thesis.

This study adopts a qualitative descriptive method. The subjects of this research are five undergraduate thesis students from the class of 2019-2020. Data collection is conducted through semi-structured interviews. The data analysis technique is based on Miles and Huberman's theory, which includes data reduction, data presentation, and conclusion/verification.

The results of this research indicate that participants experienced two difficulties. The first difficulty is the lack of grammar knowledge mastered. The second difficulty is the participant's lack of confidence in their grammar skills. From these two difficulties, participants decided to use AI-powered grammar checker applications such as Grammarly, ChatGPT, and Google Docs based on their features, personal needs, and confidence in their abilities. On the use of AI-powered grammar checkers, participants also faced challenges such as discrepancies in correction results and limitations in accessibility features. However, having an understanding of grammar remains essential to ensure a high-quality final result Nevertheless, overall, the use of AI-powered grammar checkers enhances participants' understanding of grammar rules and the quality of their writing, with the majority of participants being satisfied with the final outcome of their thesis.

Keywords: *AI-powered grammar checker, undergraduate thesis, students’ voice*