

**INVESTIGATION OF VOCATIONAL TEACHERS'
AND STUDENTS' PERCEPTION OF ARTFICIAL
INTELLIGENCE TECHNOLOGY IN ENGLISH
LANGUAGE LEARNING IN SMK NEGERI 1
SINGARAJA**



ENGLISH LANGUAGE EDUCATION STUDY PROGRAM

FACULTY OF LANGUAGE AND ART

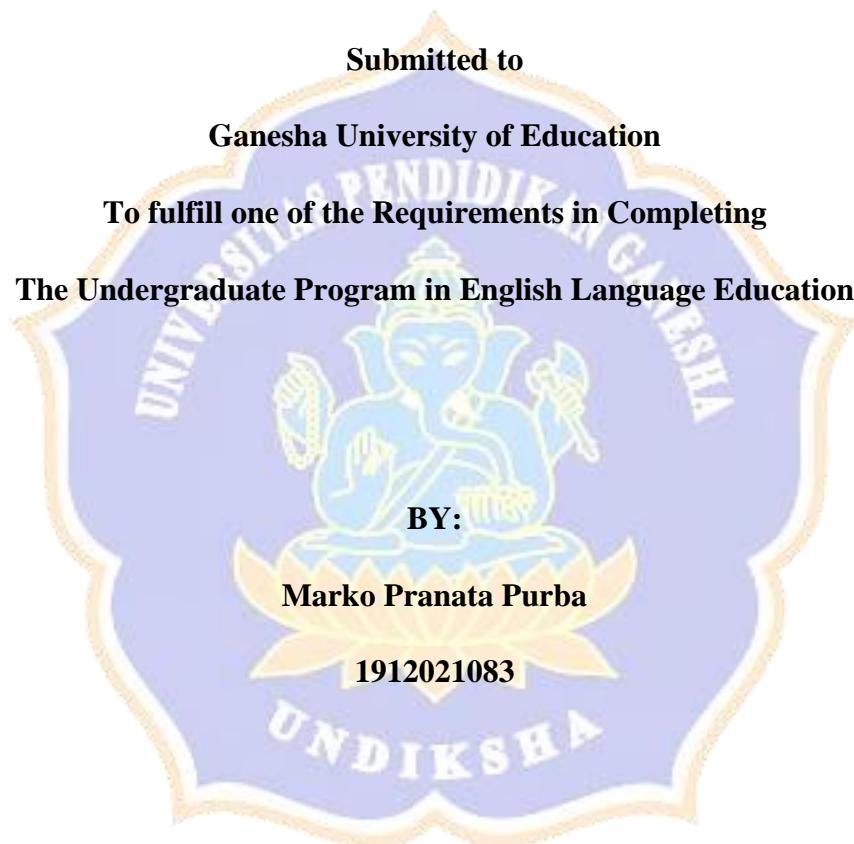
GANESHA UNIVERSITY OF EDUCATION

SINGARAJA

2024

**INVESTIGATION OF VOCATIONAL TEACHERS'
AND STUDENTS' PERCEPTION OF ARTIFICIAL
INTELLIGENCE TECHNOLOGY IN ENGLISH
LANGUAGE LEARNING IN SMK NEGERI 1
SINGARAJA**

THESIS



ENGLISH LANGUAGE EDUCATION STUDY PROGRAM

FACULTY OF LANGUAGE AND ART

GANESHA UNIVERSITY OF EDUCATION

2024

SKRIPSI

DIAJUKAN UNTUK MELENGKAPI TUGAS DAN
MEMENUHI SYARAT-SYARAT UNTUK MENCAPAI
GELAR SARJANA PENDIDIKAN

Menyetujui

Pembimbing I,



Made Hery Santosa, S.Pd., M.Pd., Ph.D.
NIP. 197910232003121001

Pembimbing II,



Gede Mahendrayana, S.Pd., M.Pd
NIP. 199007252015041002

Skripsi oleh Marko Pranata Purba
telah dipertahankan di depan dewan penguji
pada tanggal 15 Juli 2024

Dewan Penguji,

Dr. Ni Luh Putu Eka Sulistia Dewi, S.Pd., M.Pd.
NIP. 198104192006042002

(Ketua)

Putu Eka Dambayana S, S.Pd., M.Pd.
NIP. 197811142008121002

(Anggota)

Made Hery Santosa, S.Pd., M.Pd., Ph.D.
NIP. 197910232003121001

(Anggota)

Gede Mahendrayana, S.Pd., M.Pd.
NIP. 199007252015041002

(Anggota)

Diterima oleh Panitia Ujian Fakultas Bahasa dan Seni
Universitas Pendidikan Ganesha
guna memenuhi syarat-syarat untuk mencapai gelar sarjana pendidikan

Pada:

Hari : **Senin**
Tanggal : **16-07-2024**

Mengetahui,

Ketua Ujian,

Dr. Ni Luh Putu Eka Sulistia Dewi, S.Pd., M.Pd.
NIP. 198104192006042002

Sekretaris Ujian,

Prof. Dr. I G A Lokita Purnamika Utami, S.Pd., M.Pd.
NIP. 198304022006042001

Mengesahkan

Dekan Fakultas Bahasa dan Seni



Drs. I Gede Nurjaya, M.Pd.
NIP. 196503201990031002

PERNYATAAN

Dengan ini saya menyatakan bahwa karya tulis yang berjudul "*Investigation of Vocational Teachers' and Students' Perception of Artificial Intelligence Technology in English Language Learning in SMK Negeri 1 Singaraja*" beserta seluruh isinya adalah benar-benar karya sendiri dan saya tidak melukakan penjiplakan dan pengutipan dengan cara-cara yang tidak sesuai dengan etika yang berlaku dalam masyarakat keilmuan. Atas pernyataan ini, saya siap menanggung risiko/sanksi yang dijatuhkan kepada saya apabila kemudian ditemukan adanya pelanggaran atas etika keilmuan dalam karya saya ini atau ada klaim terhadap keaslian karya saya ini.



Singaraja, 10 Juni 2024

Yang membuat pernyataan,

Marko Pranata Purba

NIM. 1912021083

ACKNOWLEDGMENT

The authors would like to express their gratitude to God Almighty because thanks to His grace, the author was able to complete the thesis entitled "Investigation of Vocational Teachers' and Students' Perception of Artificial Intelligence Technology in English Language Learning in SMK Negeri 1 Singaraja". This thesis was prepared to fulfill the requirements for achieving a bachelor's degree in education at the Ganesha University of Education.

In completing this thesis, the author received a lot of help, both moral and material, from various parties. For this reason, on this occasion, the author would like to thank:

1. Made Hery Santosa, S.Pd., M.Pd., Ph.D., as the first supervisor in preparing the thesis and academic supervisor who has spent a lot of time and given many opportunities to the writer as well as providing input, motivation and enthusiasm so that the author can complete the study.
2. Gede Mahendrayana, S.Pd., M.Pd., as the second supervisor in preparing the thesis, who took a lot of time and provided very helpful input so that the author could complete the study.
3. Putu Eka Dambayana, S.Pd., M.Pd., as examiner in the proposal examination and author's thesis examination who has provided many useful inputs for the author's research.
4. Drs. I Made Darwis Wibawa, MM., as the principal of SMK Negeri 1 Singaraja who has given the author the opportunity and permission to conduct and carry out research at SMK Negeri 1 Singaraja.
5. I Putu Ratama S.Pd., M.Pd., as a tutor who was willing to provide data and as a supervisor while the author carried out research at SMK Negeri 1 Singaraja.
6. Putu Eka Sekyawati, S.Pd., Kadek Retno Ananda Sawitri, S.Pd. and Putu Sukma Dewi, S.Pd., as an English teacher who was willing to provide data for research.
7. Class XI students majoring in Hospitality at SMK Negeri 1 Singaraja who have helped provide data for research.

8. Rehngenana Br Sembiring Kembaren, as the greatest mother of the writer who has given everything to the writer and sacrificed anything for the sake of the writer.
9. Suriyadi Purba, as the writer's strongest father who has worked hard day after day for the writer and always calms and motivates the writer.
10. Eklesia Pranata Purba and Enda Adina Putri, as the author's younger siblings who have provided encouragement and motivation for the author.
11. Dwita Ega Lestari, as a special person for the writer who has accompanied the writer from the beginning of writing the thesis to the end.
12. All parties who cannot be mentioned one by one who have helped in the preparation of this thesis.

The author is fully aware that what is presented in this thesis is still far from perfect due to the limitations of the author's abilities. Therefore, for the sake of perfection of this thesis, the author expects all constructive criticism and suggestions from various parties. The author hopes that this thesis can be useful and useful for all of us, especially for the development of the world of education.

Singaraja, Juli 2024



Marko Pranata Purba

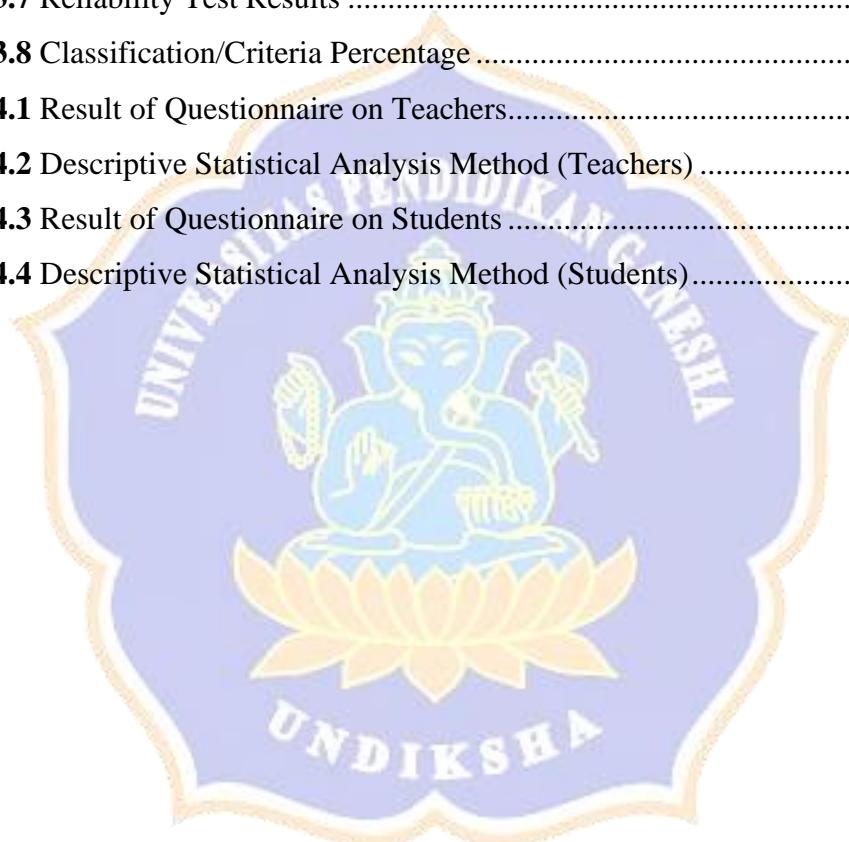
TABLE OF CONTENTS

ABSTRACT	viii
ACKNOWLEDGEMENT	x
TABLE OF CONTENTS	xii
LIST OF TABLES	xiv
LIST OF PICTURES	xv
LIST OF APPENDICES	xvi
CHAPTER I INTRODUCTION	1
1.1 Background of Study	1
1.2 Problem Identification.....	6
1.3 Problem Limitations.....	7
1.4 Research Questions	7
1.5 Purpose of Study	7
1.6 Significances of the Research	8
1.6.1 Theoretical Significance	8
1.6.2 Practical Significance	8
CHAPTER II LITERATURE REVIEW.....	9
2.1 Theoretical Review	9
2.1.1 AI Technology	9
2.1.2 Artificial Intelligence in Education (AIEd)	11
2.1.3 Perception	16
2.2 Empirical Review.....	22
CHAPTER III RESEARCH METHOD	25
3.1 Research Design.....	25
3.2 Research Setting.....	25
3.3 Research Subjects and Object	26
3.3.1 Research Subjects	26

3.3.2 Research Object.....	27
3.4 Research Data Collection Methods.....	28
3.4.1 Survey.....	28
3.4.2 Interview	29
3.5 Testing Research Instrumen.....	29
3.5.1 Content Validity	29
3.5.2 Empirical Validity & Reliability Test	32
3.6 Data Analysis	33
3.6.1 Quantitative Data Analysis.....	33
3.6.2 Qualitative Data Analysis.....	34
 CHAPTER IV FINDINGS.....	36
4.1 Description of Research Results	36
4.1.1 Perception of Vocational School Students and Teacher towards AI Technology in English Language Learning.....	37
4.1.2 English Teachers' Challenges to the Application of AI Technology in English Language Learning in Vocational School.....	39
4.1.3 Students' Challenges in Using AI Technology in English Language Learning in Vocational School	43
4.2 Discussion	50
4.3 Implication	56
 CHAPTER V CLOSURE	58
5.1 Summary	58
5.2 Conclusion	60
5.3 Suggestion.....	61
 REFERENCES.....	62
APPENDICES	67

LIST OF TABLES

Table 3.1 Research Respondents (Teachers).....	26
Table 3.2 Research Respondents (Students)	27
Table 3.3 Cross Tabulation	30
Table 3.4 Content Validity Criteria.....	30
Table 3.5 Content Validity Testing on Questionnaire Instruments	31
Table 3.6 Content Validity Testing on Interview Guide	31
Table 3.7 Reliability Test Results	33
Table 3.8 Classification/Criteria Percentage	34
Table 4.1 Result of Questionnaire on Teachers.....	37
Table 4.2 Descriptive Statistical Analysis Method (Teachers)	38
Table 4.3 Result of Questionnaire on Students	38
Table 4.4 Descriptive Statistical Analysis Method (Students).....	39



LIST OF PICTURES

Picture 3.1 SMK Negeri 1 Singaraja.....	25
Picture 3.2 Interactive Model Data Analysis	35



LIST OF APPENDICES

Appendix 1. Attachment Letters	68
Appendix 2. Research Permit Letter	69
Appendix 3. Blueprint of Questionnaire	70
Appendix 4. Interview Guide	74
Appendix 5. Questionnaire Statements	76
Appendix 6. Empirical Validity Test Result on the Questionnaire	77
Appendix 7. Expert Judgement Sheet	81
Appendix 8. Subjects of the Study	83
Appendix 9. Questionnaire Results	87
Appendix 10. Interview Results	91
Appendix 11. Documentation	108

