

**THE EFFECT OF USING DUOLINGO APPLICATION ON GRAMMAR
ABILITY OF JUNIOR HIGH SCHOOL STUDENTS AT SMP NEGERI 2
KOTA SOLOK**

THESIS

Submitted in Partial for Fulfillment of the Requirements for Undergraduate

Program in English Tadris Department the Strata One (S1) Degree



Written By:

Kiki Mega Sari
2114050024

**ENGLISH TADRIS DEPARTMENT
TARBIYAH FACULTY AND TEACHER TRAINING
STATE ISLAMIC UNIVERSITY (UIN)
IMAM BONJOL PADANG
1447 H/ 2025 M**

DECLARATION PAGE

I am undersigned:

Name : Kiki Mega Sari

NIM : 2114050024

**Thesis Title : The Effect of Using Duolingo Application on Grammar Ability
of Junior High School Students**

Hereby solemnly declare that:

1. This thesis is truly my own work, and in preparing the thesis, I implemented and respected the research code of ethics that applies both outside and at the Imam Bonjol State Islamic University, Padang.
2. If it is later discovered and proven that part or all of the contents of this thesis contains violations of the research code of ethics, I agree to accept all legal consequences in accordance with the relevant provisions.

Padang, 28 Juli 2025

The Author



Kiki Mega Sari

NIM. 2114050024

AGENDA: B.6	Ln.02/FTK/IPP.00.91781/07/2025
TGL. TERIMA: 15-7-2025	PARAF: 

APPROVAL PAGE

The thesis entitled "The Effect of Using Duolingo Application on Grammar Ability of Junior High School Students" by Kiki Mega Sari, NIM. 2114050024, has met the scientific requirements and has been approved to be submitted to the Munaqasyah examination.

Padang, 10 Juli 2025

Supervisor I,



Dr. Hadeli, MA., M.Pd
NIP. 196602011992031003

Supervisor II,



Chanti Diananseri, M.Pd
NIP. 198606262020122014

THESIS ACCEPTANCE

The thesis entitled "The effect of using Duolingo application on grammar ability of junior high school students" Written by Kiki Mega Sari, students register number: 2114050024 has been examined by Board of Examination in the faculty of Tarbiyah and Teacher Training of Islamic State University (UIN) Imam Bonjol Padang on Monday, July 28th, 2025. Therefore, it has accepted as one of the requisites to procure Academician Degree Program of Strata One (S1) degree in English Tadris Department.

Padang, July 28th 2025

Board of Examiners

Chairman



Dr. Hadeli, MA., M.Pd
NIP. 196602011992031003

Secretary



Chanti Diananseri, M.Pd
NIP. 198606262020122014

Members

Examiner I



Dr. Darmawanti, M.Pd
NIP. 197307111999032002

Examiner II



Dr. Melinda Roza, M.Pd
NIP. 197301272005012003

Supervisors

Supervisor I



Dr. Hadeli, MA., M.Pd
NIP. 196602011992031003

Supervisor II



Chanti Diananseri, M.Pd
NIP. 198606262020122014

Approved by,

Dekan of Faculty Tarbiyah and Teacher Training
State Islamic University (UIN) Imam Bonjol Padang



Dr. Yasmadi, M. Ag
NIP. 197305172000031001

PENGESAHAN TIM PENGUJI

Skripsi dengan judul "The effect of using Duolingo application on grammar ability of junior high school students" yang ditulis oleh Kiki Mega Sari, NIM: 2114050024 telah diujikan dalam sidang Munafasyah Fakultas Tarbiyah and Keguruan Universitas Islam Negeri (UIN) Imam Bonjol Padang pada hari Senin, 28 Juli 2025. Oleh karena itu, telah diterima sebagai salah satu syarat untuk memperoleh gelar Sarjana Pendidikan (S.Pd) Program Strata Satu (S1) pada Jurusan Tadris Bahasa Inggris.

Padang, July 28th 2025

Dewan Penguji

Ketua



Dr. Hadeli, MA., M.Pd
NIP. 196602011992031003

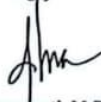
Sekretaris



Chanti Diananseri, M.Pd
NIP. 198606262020122014

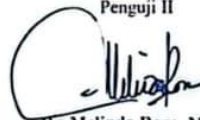
Penguji

Penguji I



Dr. Darmaventi, M.Pd
NIP. 197307111999032002

Penguji II



Dr. Melinda Roza, M.Pd
NIP. 197301272005012003

Pembimbing

Pembimbing I



Dr. Hadeli, MA., M.Pd
NIP. 196602011992031003

Pembimbing II



Chanti Diananseri, M.Pd
NIP. 198606262020122014

Mengesahkan,

Dekan Fakultas Tarbiyah dan Keguruan
Universitas Islam Negeri (UIN) Imam Bonjol Padang



ABSTRACT

Kiki Mega Sari, 2025: “*The Effect of Using Duolingo On Grammar Ability of Junior High School Students*”

This study aims to determine whether there is a difference in the learning outcomes of students taught using the Duolingo application compared to conventional methods. The method applied in this research is quantitative with a quasi-experimental design, involving seventh-grade students at SMP Negeri 2 Kota Solok in the 2025/2026 school year. The sample was taken using the cluster random sampling technique, where class VII.9 was designated as the experimental class and class VII.7 as the control class, with a total of 64 students. The result of the analysis shows that the significance value (Sig. 2-tailed) is 0.043, which is smaller than 0.05, indicating a significant difference in students' grammar ability between two groups. The mean difference of 1.406 indicated that the use of the Duolingo app positively contributed to the improvement of students' grammar skills. The conclusion of this study is that the use of the Duolingo application significantly increases students' grammar ability at the junior high school level. This study recommends that the Duolingo app be used as an additional tool in English language learning, particularly in grammar teaching, given the significant effect it shows on students' learning outcomes.

Key words: *Grammar ability, Duolingo application, Experimental study*

ABSTRAK

Kiki Mega Sari, 2025: *“The Effect of Using Duolingo On Grammar Ability of Junior High School Students”*

Penelitian ini bertujuan untuk mengetahui apakah terdapat perbedaan hasil belajar siswa yang diajar menggunakan aplikasi Duolingo dibandingkan dengan siswa yang diajar dengan menggunakan metode konvensional. Metode yang diterapkan dalam penelitian ini adalah kuantitatif dengan desain quasi-experimental, yang melibatkan siswa kelas VII di SMP Negeri 2 Kota Solok pada tahun ajaran 2025/2026. Sample diambil menggunakan Teknik Cluster Random Sampling, di mana kelas VII.9 ditetapkan sebagai kelas eksperimen dan kelas VII.7 sebagai kelas kontrol, dengan total 64 siswa. Hasil analisis menunjukkan bahwa nilai signifikansi (Sig. 2-tailed) adalah 0.043 yang lebih kecil dari 0.05, mengindikasikan adanya perbedaan perbedaan yang signifikan dalam kemampuan grammar siswa antara kedua kelompok. Rata-rata perbedaan (mean difference) sebesar 1.406 menunjukkan bahwa penggunaan aplikasi Duolingo memberikan kontribusi positif terhadap peningkatan kemampuan grammar siswa. Adapun kesimpulan dari penelitian ini adalah bahwa penggunaan aplikasi Duolingo secara signifikan meningkatkan kemampuan grammar siswa di Tingkat sekolah menengah pertama. Penelitian ini merekomendasikan agar aplikasi Duolingo digunakan sebagai alat tambahan dalam pembelajaran Bahasa Inggris, khususnya dalam pengajaran tata Bahasa, mengingat platform ini menunjukkan adanya pengaruh yang signifikan terhadap hasil belajar siswa.

Kata kunci: *Grammar ability, Duolingo application, Experimental study*

ACKNOWLEDGMENT



“In the Name of Allah, the Most Gracious, the Most Merciful”

Alhamdulillahirabbil’alamin. In the name of Allah, the lord of the World. The beneficent and the most merciful, praises belong to Allah almighty. By his guidance and blessing, the researcher has accomplished the thesis entitled “The Effect of Using Duolingo Application on Grammar Ability of Junior High School Students”. Peace is upon for Prophet Muhammad who has inspired and always give goodness in the world.

The author realizes that this thesis could be completed thanks to the support and assistance from various parties. Therefore, the researcher would like to show her gratitude to all beloved people that have encouraged, motivated even helped the author in finishing this thesis. On this occasion the author would like to express her thanks to:

1. Mr. Dr. Hadeli, MA., M.Pd as supervisor I and Mrs. Chanti Diananseri, M.Pd as supervisor II who have provided maximum guidance and direction, so that the author can finish writing this thesis.
2. Mr. Hidayat Al Azmi, M.Pd, as head of English Department and Ma’am Dr. Melinda Roza, M.Pd, as Secretary of English Department and all lecturers of the English Department, they have taught and transferred their knowledge during the courses.
3. Dr. Hadeli, MA., M.Pd, as my academic advisor who has guided me during the years of my study.
4. All lecturers who have given the author their knowledge and information through the meeting in the class or personally.
5. Dr. Yasmadi, M.Ag as dean of the Tarbiyah and all of teacher Faculty of Imam Bonjol State Islamic University Padang.
6. Headmaster, Administrative Staff, and all teachers of SMP Negeri 2 Kota Solok which has given the author the opportunity to conduct the research.
7. Big thanks to Mrs. Rina Elvira, S.Pd who is always willing to help, support and give direction to the author.
8. The students of VII.7 and VII.9 of SMP Negeri 2 Kota Solok for the willingness to be the participants in this research.

9. Special thanks and love to my beloved parents, Mr. Muhammad Yunus and Ma'am Darmian, S.Pd, who always pray for the well-being of their children and always try to give the best to her. As well as being loyal and patient in the encouraging, support, and motivation of the author so that she can take the author to the end of this step.
10. My siblings Arfatul Khoriah and Azza Putri, your love and support have been invaluable. Thank you for believing in me, even when I doubted myself. Your love and friendship have made this journey a brighter one.
11. Eliza Rahmi and Rahmi Sefrial Dayanti, thank you for being there in laughter and sadness as well as always supporting me complete my thesis
12. All friends who share the same fate and struggle with TBI A class of 21, thank you for the experience and memories.
13. All parties who have helped in the process of writing this thesis who cannot be mentioned one by one, thank you very much for all your support.

Padang, 28 Juli 2025

The Author



Kiki Mega Sari
NIM. 2114040024

TABLE OF CONTENT

DECLARATION PAGE	i
APPROVAL PAGE	ii
THESIS ACCEPTANCE	iii
PENGESAHAN TIM PENGUJI	iv
ABSTRACT	v
ABSTRAK	vi
ACKNOWLEDGMENT.....	vii
TABLE OF CONTENT	ix
LIST OF TABLES	xi
LIST OF AFFENDIX.....	xii
CHAPTER I: INTRODUCTION	1
A. Background of the Study.....	1
B. Identification of the Study.....	6
C. Limitation of the Study	7
D. Formulation of the Problem	8
E. Purpose of the Study	8
F. Significance of the Problem.....	8
G. Definition of Key Term.....	10
CHAPTER II: REVIEW OF RELATED LITERATUR	11
A. Theoretical Review	11
1. Grammar.....	11
a. Definition of Grammar	11
b. Main Aspect of Grammar	13
2. Simple Present Tense.....	15
a. Definition of Simple Present Tense	15

b. Formulation and Example of Simple Present Tense.....	16
c. Employing the Simple Present Tense	22
3. Duolingo	23
a. Definition of Duolingo.....	23
b. Benefit of Using Duolingo	24
c. Steps of Using Duolingo.....	25
d. Advantages and Disadvantages of Using Duolingo	31
B. Previous Study	32
C. The Conceptual Framework.....	36
D. Hypothesis.....	38
CHAPTER III: RESEACRH METHOD.....	39
A. Research Design.....	39
B. Population and Sample Variable (Quantitative)	41
C. Variable (Quantitative)	44
D. Technique of Data Collection	45
E. Technique of Data Analysis.....	51
CHAPTER IV: FINDING AND DISCUSSION.....	60
A. Findings	60
B. Discussion	69
CHAPTER V: CONCLUSION AND SUGGESTION	74
A. Conclusion.....	74
B. Suggestion	75
BYBLIOGRAPHY.....	77
APPENDIXES	81

LIST OF TABLES

Table 2. 1 Formulation of Simple Present (Nominal)	17
Table 2. 2 Formulation of Simple Present (Verbal)	19
Table 2. 3 Steps of Using Duolingo Application	25
Table 3. 1 Research Design	41
Table 3. 2 The Population of Research.....	42
Table 3. 3 Specification Test Items of Post-test.....	47
Table 3. 4 Validity Test	48
Table 3. 5 Reliability Test.....	51
Table 4. 1 Distribution Data (Post-test).....	61
Table 4. 2 Tests of Normality	63
Table 4. 3 Test of Homogeneity of Variance	65
Table 4. 4 Independent Samples Test	67
Table 4. 5 Table Of Post-test Items Specification	69

LIST OF APPENDIXES

Appendix 1: Modul of Experimental Class.....	81
Appendix 2: Modul of Control Class	88
Appendix 3: Instrument (Post-Test).....	98
Appendix 4: The Scoring of Students' Grammar Test Transcript	100
Appendix 5: Distribution Data	101
Appendix 6: Test of Normality and Homogeneity Variance	101
Appendix 7: Independent Test of Experimental and Control Class	102
Appendix 8: SK Pembimbing	103
Appendix 9: Surat Undangan Seminar Proposal.....	104
Appendix 10: Surat Berita Acara Seminar Proposal	105
Appendix 11: Validasi Instrument.....	106
Appendix 12: Surat Izin Penelitian Dari UIN	108
Appendix 13: Surat Izin Penelitian dari Dinas Pendidikan Kota Solok.....	109
Appendix 14: Surat Izin Penelitian Dari DPMPTSP Kota Solok	110
Appendix 15: Surat Telah Menyelesaikan Penelitian	111
Appendix 16: Documentations.....	112