# STUDENTS' PERCEPTIONS TOWARDS DUOLINGO APPLICATION IN ENGLISH LEARNING AT THE TENTH GRADERS OF SMAS SANDIKA SUKAJADI

A Thesis by

**RENI OKTARIANI** 

**Students' Number 2004410013** 

**English Education Study Program** 



FACULTY OF TEACHER TRAINING AND EDUCATION
TRIDINANTI UNIVERSITY PALEMBANG
2024

## STUDENTS' PERCEPTIONS TOWARDS DUOLINGO APPLICATION IN ENGLISH LEARNING AT THE TENTH GRADERS OF SMAS SANDIKA SUKAJADI

A Thesis by

RENI OKTARIANI

Student's Number 2004410013

**English Education Study Program** 

Faculty of Teacher Training and Education

Approved by

Advisor I

Jenny Elvinna Manurung, M.Pd.

Advisor II

Nita Ria, M.Pd.

Certified By

Dean of Faculty of Teacher Training and Education

### STUDENTS' PERCEPTIONS TOWARDS DUOLINGO APPLICATION IN ENGLISH LEARNING AT THE TENTH GRADERS OF SMAS SANDIKA **SUKAJADI**

Name

: Reni Oktariani

Students' Number : 2004410013

This thesis was defined by the writer is the Final Program Examination and was approved by the examination committees on:

Day

: Saturday

Date

: September 21th, 2024

**Examination Committee** 

Signature/Date

1. Chair Person: Jenny Elvinna Manurung, M.Pd.

2. Member

: Nita Ria, M.Pd.

3. Member

: Heru Setiawan, M.Pd.

Palembang, 08 October 2024 Dean of Faculty of Teacher Training

and Education,

Nyayu Lulu Nadya, M.Pd.

#### PERNYATAAN

Saya menyatakan dengan sebenar-benarnya bahwa seluruh data, informasi, interpretasi serta pernyataan dalam pembahasan dan kesimpulan yang disajikan dalam karya ilmiah ini, kecuali yang disebutkan sumbernya merupakan hasil pengamatan, penelitian, pengelolaan serta pemikiran saya dengan pengarahan dari pembimbing yang telah ditetapkan.

Apabila ternyata di dalam naskah skripsi ini dapat dibuktikan terdapat unsurunsur jiplakan. Saya bersedia skripsi ini digugurkan dan gelar akademik yang saya peroleh (S-1) dibatalkan, serta proses sesuai dengan peraturan perundang-undang yang berlaku (UU) No. 20 tahun 2003, pasal 25 ayat 2 dan pasal 70.

Palembang, Oktober 2024

Reni Oktariani

2004410013

#### **ACKNOWLEDGEMENTS**

All praises to Allah SWT, For all blessings, chances, and guidance given to the writer in completing the thesis entitled "Students' Perception Towards Duolingo Application in English Learning at The Tenth Graders of SMAS Sandika Sukajadi". This thesis is summitted to fulfil one the requirements to accomplish S1 degree of Faculty of Teacher Training Education, English Study Program at Tridinnati University Palembang.

In finishing thesis, the writer would like to given grateful thanks to people who had helped, guided, supported, and suggested in process of writing of the thesis, they are:

- 1. Nyayu Lulu Nadya M.Pd, as the dean of Faculty of Teacher Training and Education.
- 2. Jenny Elvinna Manurung, M.Pd, as the head of English Study Program.
- 3. Jenny Evinna Manurung, M.Pd, as the first advisor and Nita Ria, M.Pd as the second advisor for their guidance in writing her thesis.
- 4. Heru Setiawan, M.Pd, as the examiner for given the writer suggestion.
- 5. All the lectures at University of Tridinanti Palembang especially of Faculty of Teacher Training and Education.
- 6. All students of English Education and Indonesia and Literature Study Program to their cooperation.
- 7. Her beloved Parents and her friends to their wonderful support, prayer, unlimited patience and finance thanks for giving to the best in my life.

Finnaly, the writer hopes this thesis is useful to readers and could be as a reference to other researcher for the next thesis.

Palembang, October 2024

The writer,

Reni Oktariani

2004410013

#### TABLE OF CONTENT

COVER	i
APPROVAL SHEET	ii
RATIFICATION SHEET	iii
DEDICATION AND MOTTO	iv
SURAT PERNYATAAN	V
ACKNOWLEDGEMENT	vi
ABSTRACT	viii
TABLE OF CONTENT	ix
LIST OF TABLE	
LIST OF FIGURE	
LIST OF APPENDICE.	xiy
CHAPTER I INTRODUCTION	
1.1 Background of the Research	1
1.2 The Problem of The Study	5
1.2.1 The Limitation of Study	5
1.2.2 The Formulation of Problem	5
1.3 The Objective of Study	5
1.4 Significances of the Study	6
CHAPTER II LITERATURE REVIEW	
2.1 The Concept of Perception.	7
2.1.2 The Student's Perceptions	8
2.1.3 Stages of The Perceptions Process.	9
2.2 ICT For English Language Teaching and Learning	10
2.3 Technology in English Language Learning.	12

2.3.1 The Advantages of Technology
2.4 English Language Learning.   15
2.5 Problems in Learning English
2.6 Types of Online Learning
2.7 The Duolingo Application
2.7.1 The Overview of the Duolingo Application
2.8 The Features of the Duolingo Application
2.9 The Procedures of Duolingo Application
2.10 Common Exercises in the Duolingo Application
2.10.1 The Advantages of Duolingo Application
2.10.1 The Disadvantages Duolingo Application
2.11 The Previous Related Studies
CHAPTER III RESEARCH OF METHODOLOGY
3.1 Method of the Research31
3.2 Operational Definition
3.3 Population and Sample
3.3.1 Population
3.3.2 Sample33
3.4 Techniques for Collecting the Data
3.4.1 Questionnaire
3.5 Validity and Reliability of the Test
3.5.1 Validity
3.5.2 Reliability of the Test

3.6 Techniques for Analyzing Data	37
CHAPTER IV FINDING AND INTERPRETATION	
4.1 Findings	40
4.1.1 The Result of Descriptive Analysis	44
4.1.2 The Result of the Students' Perception on Questionnaire	44
4.1.2.1 Aspect of Easiness.	45
4.1.2.2 Aspect of Usefulness	46
4.1.2.3 Aspect of Effectiveness	47
4.1.2.4 Aspect of Attitudes	48
4.1.2.5 Aspect of Enhancing	50
4.2 Interpretation.	51
CHAPTER V CONCLUSION AND SUGGESTION	
5.1 Conclusion.	53
5.2 Suggestion.	53
REFERENCES	59
APPENDICES	60

#### LIST OF FIGURES

Figure 1. The Duolingo logo	20
Figure 2. The Duolingo Application.	23
Figure 3. The Duolingo Application in Application Store	24
Figure 4. Some languages will be learned and spoken	24
Figure 5. Pick a Daily Goal.	24
Figure 6. Join the Duolingo	25
Figure 7. Creating a profil in the Duolingo application	25
Figure 8. The Data Analysis Process	38
Figure 9. Aspect of Easiness.	45
Figure 10. Aspects of Usefulness	46
Figure 11. Aspects of Effectiveness.	48
Figure 12. Aspect of Attitudes.	49
Figure 13. The Aspects of Enhancing.	50

#### LIST OF APPENDICES

- Appendix 1. Students Perception Questionnaire
- Appendix 2. Responses from Students SMAS Sandika Sukajadi
- Appendix 3. Result of Students Perception Questionnaire
- Appendix 4. Summary Students Perception Questionnaire Response
- Appendix 5. Consultation Card
- Appendix 6. Surat Izin Penelitian
- Appendix 7. Surat Keterangan Telah Melakukan Penelitian
- Appendix 8. Biography

#### LIST OF TABLES

Table 1. The Features of the Duolingo Application	21
Table 2. The Population of Respondents	33
Table 3. The Likert Scale	35
Table 4. Questionnaire Items Specification	36
Table 5. Category of Perceptions Questionnaire	39
Table 6. Result of Questionnaire	40

#### **ABSTRACT**

Technology means the development and application of various equipment or systems to solve problems faced by humans in everyday life. This study was a quantitative descriptive research using survey method. This study was intended to understand phenomena experienced by students' perceptions in using Duolingo application in English learning. The population in this study was the tenth-grade students of SMAS Sukajadi in the academic year of 2023/2024. Thus the sample of the research was 118 students which consists of class X A, X B, and X C at SMAS Sandika Sukajadi. The research findings describe the results of a descriptive analysis of student' perceptions. Five aspects of students' perceptions of the Duolingo application in English learning were assessed in this questionnaire. As a sample, there was a 106 students in collecting the data. The students' perceptions were divided into two major categories: positive and negative perception with the use of Duolingo application in English learning. Based on the result it can be concluded that using the Duolingo application more effective, and useful English learning. Most students were more interested in English learning using the Duolingo application.

Keywords: Perception, English Learning, Duolingo Appplication.

#### **CHAPTER I**

#### **INTRODUCTION**

In this chapter, the researcher presents (1) background of the research, (2) the problem of study, (3) objective of the study and (4) significances of the study.

#### 1.1 Background of the Research

Currently, the development of technology is extraordinary, especially after the COVID era, technology opens up other people's insights, especially in terms of education. Technology means the development and application of various equipment or systems to solve problems faced by humans in everyday life. The technology is also the result of human thought to develop certain procedures or systems and use them to solve problems in their lives. Lowther et al (2012 p. 46) stated that in this digital era, the internet technology has a huge influence on the development of the world of information. People can now access information through technology, many sophisticated applications can currently be used specifically to improve language skills. Riyanto (2014) explained that technology has a significant impact on education recently, necessitating that educators become knowledge able about it and stay current by integrating it into the teaching and learning process. In addition Allen (2021) explained that technology is known to have a positive effect on teaching English and its incorporation into language instruction has the ability to give students exposure to the language and greatly enhance the quality of learning. This is zalso very helpful and motivating for students to increase their enthusiasm for learning.

The environment of English language learning has transformed due to technology. Technology has given educators new tasks and responsibilities, but it has also opened up new possibilities for enhancing English learning inventiveness, productivity, and level of engagement. The requirement to stay current with trends is one of the main problems that technology presents for English learning. Teachers need to be able to modify their teaching strategies in order to make appropriate use of the continuously evolving new technologies. Although it can be difficult, this is also a chance to learn new things and maintain the relevance and interest of ELT. Davis (2003, p. 46 - 52) described that the four language skills including listening, reading speaking, writing and all can be enhanced with the use of technology.

The first of language skill is listening skill. It is an important part of practicing English language skills and has an important impact (Fisher, 2011, p. 14). Listening is an important skill and ability in learning a new language that students should learn. It is a receptive skill, meaning that students who learn a language receive new words from what they hear. The second, reading skill is an important way to practice English. Through reading, we will capture many words and store them in our minds to be used when it is time for writing and speaking. The third, language learning skill is writing. This skill requires more time, patience and consistency to learn. Writing is our opportunity to express ideas using the English words we have learnt. Unlike reading and listening

where the language we need to read and hear is already available, writing requires us to create something new. The fourth skill that must be mastered is speaking. Like writing, speaking English also requires to produce our own words. According to (Fisher, 2011, p. 14) explained that speaking in English can be the most challenging skill because English words come straight out of our mouths. Therefore, mastering the four skills in learning English is not easy for students to master the four skills at once they require media by integrating them into technology. The important role of technology by integrating technology in foreign language acquisition would lead to the easiest way in accordance to fulfill the English skills.

However, the use of media and technology in English language learning is improper. Thus, in order to assist students' understanding of concepts fully and to develop their English language skills, teachers must use the appropriate medium, such as technology integration. Teachers and students can gain from the use of hardware and software technology in English language learning and teaching in a number of ways, including cost savings, instant access to resources, and rapid learning. Using Duolingo application is one of technological tools that can help the students become more proficient in English. For teachers looking for a fun and varied way to teach English, they can choose Duolingo application learning. Additionally, it supports educators by offering ways to uphold the idea of technology-assisted language learning. Some studies have dealt with the benefits of Duolingo application use. It allows teachers to easily track students' language learning progress and students can

share their language learning progress directly with their teachers who can then track their progress via a special dashboard (Nushi & Eqbali, 2017, p. 89-98). The teachers can track the student progress, they can plan lessons and assign Duolingo application skills as homework, and assign extra credit points if needed.

In addition, various studies have focused on implementation of Duolingo application. It motivates the students continually to progress and break previous records, and students can also compete with their friends. Students can also earn experience points (XP) and pass various levels to earn lingots for item purchases and learning bonuses. A part from being easy to get and very easy to use for English learning practice, Duolingo offers a good balance of translation practice, matching listening, speaking, writing, reading, vocabulary and pronunciation. Lastly, the voice recognition program is not too bad. According to Hasan et al, (2021), it is said that Duolingo can influence student's learning to improve listening. Matra (2020, p. 46 - 52) added that Duolingo bring benefits for training students in listening, especially in English lessons and the impact can help the students to learn English easily and happily using the Duolingo application. Based on the results of observations by researchers at the SMAS Sandika Sukajadi school, students' enjoy using the Duolingo application with various existing features students feel interested when learning using the Duolingo application so that learning becomes more fun and not boring.

Therefore, in the previous paragraph, it is assumed that the use of Duolingo application can help students in learning English. Based on the reason above, the researcher was interested to conduct a research entitle: "Students' Perceptions towards Duolingo Application in English Learning at The Tenth Graders of SMAS Sandika".

#### 1.2 The Problem of The Study

#### 1.2.2 The Limitation of Study

The scope of this research was limited to the information of students' perceptions towards Duolingo application in English learning at the tenth graders of SMAS Sandika Sukajadi in English learning.

#### 2.2 The Formulation of Problem

Based on the previous background, the researcher formulated the research question: "What were the students' perceptions towards Duolingo application in English learning at the tenth graders of at SMAS Sandika Sukajadi?".

#### 3. The Objective of Study

Regarding the problem of the study, the objective was to describe the students' perceptions towards Duolingo application in English learning at the tenth graders of SMAS Sandika Sukajadi.

#### 4. Significances of the Study

The writer expects that this study would be able to give contribution to the students, teachers and other researchers.

#### 1. For the Students

For the students, this research would be beneficial to get understanding about themselves dealing with the use of Duolingo application. The students could reflect on their feelings and thoughts when using Duolingo application as an English learning tool.

#### 2. For the Teachers

This study could help the teachers to know and understand the student's perceptions and reasons in using Duolingo application during English learning. Then, the teachers could know about the benefits of using Duolingo application as a one of the technology tools that support English learning well.

#### 3. For the other Researchers

The results of the study were also expected would give contribution to other researchers. Those who would conduct further research in related field, it can be used as their reference to strengthen their research.

#### REFERENCES

- Allen, Grant. 2021. Android for Absolute Beginners. New York: Apress
- A S Hornby. (2006). Oxford Advanced Learner's Dictionary, Oxford University Press. Hal. 896
- Adediwura, BadaTayo. 2007, Perception of teacher Knowledge Attitude, and Teaching Skills as

  Predictor of Academic Performance in NigeriaSecondary School. Educational Research
  and Review, 2, 165-171.
- Anita Lie. (2007). Kooperatif Learning (Mempraktikkan Cooperative Learning di Ruang-ruang Kelas). Jakarta: Grasindo.
- A,O'Brien, James. 2006. Introducing To Information System, Salemba Empat. Jakarta
- Ardiel, V., & Tyas, D. A. (2023). Pelatihan Bahasa Inggris Kreatif dan Inovatif Menggunakan Aplikasi Duolingo pada Siswa SD IT Maarif Padang Panjang. *Literasi: Jurnal Pengabdian Masyarakat Dan Inovasi*, 3(1), 318-327. https://doi.org/10.58466/literasi.v3i1.946
- Arikunto. (2016). Prosedur penelitian: Suatu pendekatan praktik. Jakarta: Rineka Cipta.
- Astarilla, L. (2018). University students' perception towards the use of Duolingo application in learning English. *CelSciTech-UMRI*, 3, 1-9. <a href="http://ejurnal.umri.ac.id/index.php/PCST/article/download/985/562">http://ejurnal.umri.ac.id/index.php/PCST/article/download/985/562</a>
- Apuke, O. (2017). Quantitative Research Methods: A Synopsis Approach. *Arabian Journal of Business and Management Review (Kuwait Chapter).*, 6, 40–47. https://doi.org/10.12816/0040336

- Ary, et al. 2009. *Introduction to Research in Education, 8th Edition*. California: Wadsworth Publishing.
- Bambang Riyanto, 2014, *Dasar-Dasar Pembelanjaan Perusahaan, Edisi. Keempat, Cetakan Ketujuh*, BPFE Yogyakarta.
- Bende, L. (2017). Encouraging high school students to become autonomous EFL learners: Exploring the possibilities of Duolingo. *EduLingua*, 53.
- Bull, (2008) Reading Comprehension Strategies for Independent Learners. New York. The Guiford Press: 86
- Boerdens, K. S. & Abbot, B. B. (2011). Research design and method: A process approach. 8<sup>th</sup> Edition. New York: Mc Gra-Hill Companies.
- Budiharto, R. A., & Syahroni, A. W. (2020). Pendampingan Pemanfaatan Duolingo melalui Smartphone Sebagai Alat Pengajaran dan Pembelajaran Bahasa Inggris Bagi Masyarakat. 

  \*\*CARADDE: Jurnal Pengabdian Kepada Masyarakat, 2(2), 339-346.\*\*

  https://doi.org/10.31960/caradde v212.374
- Creswell, J. W. (2012). Educational research: Planning, conducting, and evaluating quantitative and qualitative research (4 th ed). USA: Pearson Education, Inc
- Cosenza, F. &. (2013). Design and Evaluation of survey questions. Los Angeles: SAGE Publication.
- Davis, F. D. (2003). Acceptance of Information Technology. *MIS Quarterly*, Vol. 13(3): 319-339.

- Duff, A., Boyle, E., Dunleavy, K., & Ferguson, J. (2004). The Relationship Between Personality, Approach To Learning And Academic Performance. *Personality And Individual Difference*, 36, 1907-1920.
- Fauzan., Kasim.U. (2020). Exploring the Implementation of Duolingo Media for Assignement in Learning English. English Education Journal, 11(2), 28-301.
- Fisher, M.H. (2011) Factors Influencing Stress, Burnout, and Retention of Secondary Teachers.

  Current Issues in Education, 14, 1-37.
- Hidayati, T., & Diana, S. (2019). *Students' Motivation to Learn English using Mobile Applications:*The Case of Duolingo and Hello English. JEELS (Journal of English Education and Linguistics Studies), 6(2), 189213. https://doi.org/10.30762/jeels.v6i2.1233
- Houwer, J. D., Holmes, D. B., & Moors, A. 2013. What is learning? On the nature and merits of a functional definition of learning. *Psiconomic Society*. 1 (3): 12-21
- Hamzah B. Uno 2007. Teori Motivasi dan Pengukurannya (Analisis di Bidang Pendidkan).

  Jakarta: Bumi Aksara.
- Hasan, M., Milawati, Darodjat, Harapan, T. K., Tahrin, T., Anwari, A. M., Indra, I. M. (2021).

  Media Pembelajaran. Klaten: Tahta Media Group.
- Hong, K-S. Ridzuan, A. A, & Kuek, M-K. 2003. STUDENTS' Attitudes Toward the use of the Internet for Learning. A Study at university in Malaysia. Educational Technology & Society, 6(2), 45-49. (ISSN 1436-4522)
- Harmer, J. (2008). How to teach English. *ELT journal*, 67(3), 313-316

- Kartika Sari, P., Dewi Kartikasari, R., & Iswan (2021). Penerapan Asynchronous Learning Menggunakan Media Digital Berbasis Gamifikası Untuk Guru Sekolah Dasar. *Abdimas Awang Long*, 4(1), 13-21. <a href="https://doi.org/10.56301/awal.v4i1.122">https://doi.org/10.56301/awal.v4i1.122</a>
- Krashen. (2014). Does Duolingo Trump University-Level Language Learning. *International Journal of Foreign Language Teaching*, 13-15.
- Kumaravadivelu B. 2006. *Understanding Language Teaching, From Method to Postmethod*. New Jersey: San Jose State University.
- Kasim. F.U., (2020), Exploring The Implementation of Duolingo Media for Assignment in Learning English, English Education Journal (EEJ), 11(2), 228-301. DOI: http://dx.doi.org/10.30998/scope.v5i1.6568.
- Lowther, D. L., Inan, F. A., Ross, S. M., & Strahl, J. D. (2012). Do one-to-one initiatives bridge the way to 21st century knowledge and skills?. *Journal of Educational Computing Research*, 46(1), 1-30.
- Liang, L. (2018). Exploring Language Learning with Mobile Technology: A Qualitative Content Analysis of Vocabulary Learning Apps for ESL Learners in Canada. The University of Ontario.
- Matra, S. D. (2020). Duolingo Applications as Vocabulary Learning Tools. 1(1), Journal of English

  Literature, Linguistics, and Education. Vol. 1 No. 1, February 2020, pp (46-52). Universitas

  Pekalongan, Pekalongan, Indonesia.
- Margono. 2010. Metodologi Penelitian Pendidikan. Jakarta: Rineka Cipta.

- Mcleod, S. (2018). *Erik Erikson's stages of psychosocial development*. Retrieved July 06, 2021, from https://www.simplypsychology.org/Erik-Erikson.html
- Nushi, M., & Eqbali, M. H. (2017). Duolingo: A mobile application to assist second language learning (App. Teaching English with Technology, 89-98.
- Naismith, L. & Corlett, D. (2017). Proceedings of the 16th World Conference on Mobile and Contextual Learning
- Pourhossein Gilakjani, A. 2014. A Detailed Analysis over Some Important Issues towards Using

  Computer Technology into the EFL Classrooms. Universal Journal of Educational

  Research, 2(2), 146-153. doi: 10.13189/ujer.2014.020206.
- Patel, C. 2013. *Use of Multimedia Technology in Teaching and Learning Communication Skill: An Analysis*. International Journal of Advancements in Research & Technology, 2(7), 116-123.
- Pramesti, A. S. (2020). Students Perception of The Use of Mobile Application Duolingo for Learning English. *International Jurnal of Scientific & Technology Research*, 1800-1804
- Qiong, O. (2017). A brief introduction to perception. Studies in Literature and Language of Canada Journal, 15(4), 18-28.
- Richard, Jack C, and Richard Schmidt. (2010). *Dictionary of Language Teaching & Applied Linguistics*. London: Pearson Education Limited
- Shidu, Gurnam Kaur. 2003. Literature in the Language Class room: Seeing through the eves of Learners, In: Ganakumaran & Edwin Malaci (Eds). *Teaching of Literature in ESL/EFL* context, Pp.88-110. Petaling Jaya: Sasbadi-Melta ELT Series.

- Scrivener, J. (2005). Learning Teaching: A guidebook for English language teachers second edition. Oxford: Macmillan.
- Singleton, Tommie W. and Singleton, Aaron J. (2010). Fraud Auditing and Forensic Accounting

  Fourth Edition. United State of America: John Willey & Sons, Inc.
- Sugiyono. (2017). Metode Kuantitatif, kualitatif, dan Bandung: Alfabeta, CV. Penelitian R&D. Bandung: Alfabeta, CV.
- Wilson, A., Sutrisno, & Irawan, A. (2022). the Use of Duolingo Application S Training for the Housewives. *Qardhul Hasan; Media Pengabdian Kepada Masyarakat*. 8(1), 960101.