THE EFFECT OF USING DUOLINGO APPLICATION ON STUDENTS VOCABULARY ACHIEVEMENTS OF TENTH GRADE STUDENTS AT SMAN 3 PANYABUNGAN

A Skripsi

Submitted to the Department of English Education in a Partial fulfillment of the Requirement for the Degree of Strata I (Bachelor of Art) in English Language Education



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Certify that this skripsi entitled: "The Effect of Using Duolingo Application On Students Vocabulary Achievement at SMAN 3 Panyabungan" is original and representing my own work, except all sources that I have used have been properly and clearly acknowledged.

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Panyabungan, 15 September 2023

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ABSTRACT

Nadia Anggita Putri (srn: 19130023). The Effect of Using Duolingo Application on Students Vocabulary Achievement at SMAN 3 Panyabungan. Thesis: Department of English Language Education. State College of Islamic Studies Mandailing Natal, 2023. This study was carried out to find out the students vocabulary achievement by using Duolingo Application. The quantitative research method was applied to describe the data. The population of this research was the tenth-grade of SMAN 3 Panyabungan, which was divided into the experimental and control class and the total of the sample was 40 students. The researcher gave 20 questions about vocabulary to collect the data in pre-test and post-test and gave 10 questionnaires. T-test formula was used by the researcher to analyze the data. In this research, it was found that the mean of pre-test score in experimental class was 52 and in control class was found 55.72. Meanwhile, the mean of post-test score which found in experimental class was 80 and in control class was 68.25. It can be counted from the students' score that t count was 3.748, whereas the t table was 2.024 for = 0.05with the degree of freedom (df) 38. It means that t count was higher than t table (3.748 > 2.024). So, alternative hypothesis (Ha) was accepted and null hypothesis (Ho) was rejected in this research. In an addition to this result, using Duolingo Application had significant effect as media in English teaching learning process. The researcher discovered that most students agreed that using the Duolingo application could effected their interest in the English teaching and learning process, particularly when learning vocabulary. Another instrument was used to measure students' perceptions toward using the Duolingo application. In this sense, it may be said that none of the respondents to the survey provided by the researcher expressed disagree or strongly disagree.

Keywords: Vocabulary, Duolingo Application

ABSTRAK

Nadia Anggita Putri (Nim: 19130023). The Effect of Using Duolingo Application on Students Vocabulary Achievement at SMAN 3 Panyabungan. Thesis: Department of English Language Education. State College of Islamic Studies Mandailing Natal, 2023. Penelitian ini dilakukan untuk mengetahui pencapaian kosakata siswa dengan menggunakan Aplikasi Duolingo. Metode penelitian kuantitatif diterapkan untuk mendeskripsikan data. Populasi penelitian ini adalah siswa kelas sepuluh SMAN 3 Panyabungan yang dibagi menjadi kelas eksperimen dan kelas kontrol dan jumlah sampelnya adalah 40 siswa. Peneliti memberikan 20 pertanyaan tentang kosakata untuk mengumpulkan data pada pretest dan post-test dan 10 kuisioner. Rumus uji-t digunakan peneliti untuk menganalisis data. Dalam penelitian ini ditemukan rata-rata nilai pre-test pada kelas eksperimen sebesar 52 dan pada kelas kontrol sebesar 55,72. Sedangkan rata-rata nilai post-test yang diperoleh pada kelas eksperimen adalah 80 dan pada kelas kontrol adalah 68,25. Dari nilai siswa dapat diketahui bahwa t hitung adalah 3,748, sedangkan t tabel adalah 2,024 dengan = 0,05 dengan derajat kebebasan (df) 38. Artinya t hitung lebih besar dari t tabel (3,748 > 2,024). Jadi hipotesis alternatif (Ha) diterima dan hipotesis nol (Ho) ditolak dalam penelitian ini. Selain hasil tersebut, penggunaan Aplikasi Duolingo mempunyai pengaruh yang signifikan sebagai media dalam proses pembelajaran bahasa Inggris. Peneliti menemukan bahwa sebagian besar siswa setuju bahwa penggunaan aplikasi Duolingo dapat meningkatkan minat mereka dalam proses belajar mengajar bahasa Inggris, khususnya ketika mempelajari kosakata. Instrumen lain digunakan untuk mengukur persepsi siswa terhadap penggunaan aplikasi Duolingo. Dalam hal ini, dapat dikatakan bahwa tidak ada satu pun responden survei yang diberikan peneliti yang menyatakan tidak setuju atau sangat tidak setuju.

Kata kunci: Kosa kata, Aplikasi Duolingo

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The Researcher

Nadia Anggita Putri

TABLE OF CONTENT

CHAPTER I INTRODUCTION 1
A. Background of the Research 1
B. The Identification of the Study 4
C. The Scope and Limitation 4
D. The Research of the Study 4
E. The Objective of the Study
F. Significance of the Study 4
CHAPTER II LITERATURE REVIEW
A. Theoritical Framework
1. Vocabulary
a. The Nature of Vocabulary
b. The Important of Vocabulary 7
c. The Types of Vocabulary 8
d. The Problem in Learning Vocabulary
2. Nouns and Pronouns
a. Nouns10
b. Pronouns 12
3. Duolingo Application 16
a. The Nature of Duolingo Application 16
b. The Types of Practice on Duolingo Application 17

c. The Advantages of Duolingo Application
d. The Disadvantages of Duolingo Application
e. Teaching Vocabulary by Using Duolingo Application
B. Relevant of the Study 26
C. Conceptual Framework 28
D. Hypothesis
CHAPTER III RESEARCH METHODOLOGY
A. Research Design
B. Location and Time
C. Population and Sample
D. The Instrument of Collecting Data 34
E. The Technique of Collecting Data 35
F. The Technique of Data Analysis
CHAPTER IV FINDINGS AND DISCUSSION 41
A. General Findings
B. Specific Findings 43
CHAPTER V CONCLUTION AND SUGGESTION
A. Conclution
B. Suggestion
REFERENCES
APPENDIX
CURRICULUM VITAE

LIST OF TABLES

 Table 3.1
 :The Scematic of The Group

Table 3.2: The Total Number of Population

Table 3.3: The Total Number of Sample

 Table 4.1
 : The Pre-Test and Post-Test scores in Experimental Class

 Table 4.2
 : Table of Data Statistics of the Pre-Test Result in Experimental Class

Table 4.3 : Table of Frequency Distribution of the Pre-Test Result inExperimental Class

 Table 4.4
 : Table of Data Statistics of the Post-Test Result in

 Experimental Class

 Table 4.6
 : The Pre-Test and Post-Test scores in Control Class

 Table 4.7
 : Table of Data Statistics of the Pre-Test Result in Control Class

Table 4.8: Table of Frequency Distribution of the Pre-Test Result in ControlClass

 Table 4.9
 : Table of Data Statistics of the Post-Test Result in Control Class

Table 4.10 : Table of Data Statistics of the Post-Test Result in Control Class

Table 4.11 : The Result of Validity Test

Table 4.12 : The Result of Validity Queationnaire

Table 4.13 : Reliability Statistics

Table 4.14: Reliability Statistics

Table 4.15 : Test of Normality from the Pre-Test Result both of Experimental andControl Class

Table 4.16 : Test of Normality from the Post-Test Result both of Experimental andControl Class

 Table 4.17 : Homogenity Pre-Test Result both Experimental and Control Class

Table 4.18 : Homogenity Post-Test Result in both Experimental and Control Class

Table 4.19 : The Result of T-Test Calculation

Table 4.20 : The Result of Independence Sample Tests

Table 4.21 : Students enjoy using Duolingo application in learning English

Table 4.22 : Students are more motivated to learn English with Duolingo application

Table 4.23 : Students more easily memorize vocabulary words with Duolingo application

Table 4.24 : Duolingo is very helpful in increasing students' vocabulary

Table 4.25 : Duolingo is easy for students to use and its features are very attractive

Table 4.26 : Duolingo is easy for students to use and its features are very attractive

Table 4.27 : Not only vocabulary, in Duolingo students can also learn to listen to pronunciation and speak

Table 4.28 : Duolingo can increase students English score

 Table 4.29
 : Duolingo can overcome students difficulties in learning vocabulary

 Table 4.30 : Students find it easier to work on vocabulary questions after using

 Duolingo application

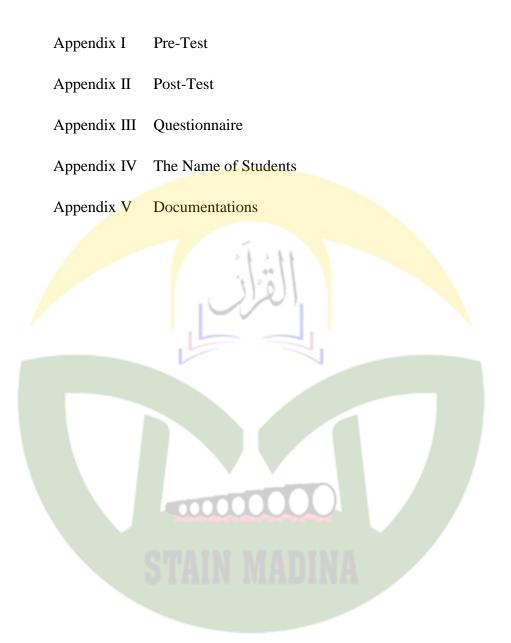


LIST OF FIGURE

Figure 4.1 : The Diagram of Questionnaire



LIST OF APPENDICES



CHAPTER I INTRODUCTION

A. Background of the Study

English is very important among students who will become the nation's generation in today's digital era. Fithriani and Rahmah (2018: 741) said that English is the most frequently used language in international trade, education, business, and tourism as a result of globalization, It indicates that a lot of people who speak different mother tongues and origin countries utilize English as a language of communication in everyday interactions. In some schools, English is a required subject from elementary school through university in Indonesia. It has been expressly stated in a number of government papers, particularly those pertaining to education. This language has the potential to be used as a tool to advance social and cultural processes, economic goals, and human career development. However, there are still many schools that do not require their students to use English in daily conversations at school Various distractions, including a lack of school facilities such as laptops and projectors, a lack vocabulary of student, and a lack of students interested in learning English because only learning from textbooks and dictionaries.

According to Carter and McCarthy (2014), vocabulary is an understanding of words and their meanings. Language learning must be accompanied by vocabulary achievement. Achievement of vocabulary is as important as mastery of other language skills and components. The main key to being proficient in English is to increase students' vocabulary because having a large vocabulary will increase students English speaking ability and the grammar used will improve every day because speaking adequate English is more important than grammar that is too formal. Therefore, the students who are limited in vocabulary find it too to hard in mastering the other skills.

The researcher is interested in researching this for various reasons, the first problem of students is a lack of vocabulary, which prevents them from understanding the words' meanings. Second, students' media choices are less appealing. Third, the motivation of students is lack. Traditional approaches are still used to teach vocabulary, such as giving students a small number of words to write, spell, and then memorize. Students will find it simple to forget using this strategy because to a variety of reasons, including poor memory, laziness, and boredom. The capacity to understand English both vocally and non-verbally is not optimal due to the difficulties of memorizing vocabulary. Students also believe that English is difficult because with an inappropriate way of learning affects the way students think.

Based on Susanto (2017), students have a vital responsibility to master the vocabulary of the language once they have completed grasping the foundational grammatical structures, not fully, but at least the high-frequency words or necessary vocabulary. On the other hand, many scientists think that the most crucial stage of learning a second language is gaining vocabulary learning. Having a lot of vocabulary makes it easier to speak English, students will easily remember vocabulary if the media or method used by the teacher is an interesting way so students can quickly understand and become proficient in English and their enthusiasm for learning will increase. This make researcher think that the right choice of method, strategy, or media must be made for more effective learning.

Using a variety of interesting teaching methods and media it is suggested that teachers can overcome this problem so that students can enjoy learning English, not only by memorizing vocabulary, it is also very necessary to increase practice so that what is learned can be carried out in everyday life. Use media to make learning vocabulary fun and interesting, don't just make teaching centered on the teacher. Currently, there is a lot of additional support, whether it is in the form of text, audio, video, or visual. The most up-to-date are computers and smartphones with English teaching and learning programs. To take advantage of the latest media can use various instructional websites, smartphone applications, and computer.

The one of alternative for students whose daily life uses technology is to learn English using an application from a smartphone, namely Duolingo application. It is a mobile application with instructional content, a website that is very attractive and also easy to use. The benefit of learning with a phone application is that it is quick, straight forward, simple, and pleasant. They also gain access to a wealth of additional terminology, Syamsiah (2020). Duolingo application was created by Luis von Ahn and Severin hacker and was first released on November 30, 2011 in Pennsylvania, United States, Alauda (2020: 403). There are many advantages of this learning application, Duolingo can be used to increase the level of student activity in teaching and learning process, Duolingo can be used to develop homework assignments that allow students to practice their vocabulary outside of class. Duolingo is accessible anywhere, allowing students to study whenever and wherever they have access to the internet. The teacher is also not worried about the pronunciation errors that students pronounce if they only read English vocabulary or words in the dictionary. However Duolingo application can not have direct conversations with other users, because the problem raised is about vocabulary, Duolingo application is a suitable application, in this case.

The main thing that the teacher conveys to students before learning is to explain the benefits that students get if they are serious about learning because in the future everything that is learned will be re-learned or will be deepened. According to Lionetti (2013), Duolingo is a free gamified E-learning platform that enables users to learn any of the following languages, including English, Italian, French, and so forth. Users can practice Duolingo at anytime and anywhere by downloading the application or signing up on their computer. Students can use this application to practice their English at home or in their free time after school.

Therefore, the researcher would like to see whether the use of Duolingo at SMAN 3 Panyabungan has an impact on students' language skills and whether it can help students improve their vocabulary. Based on this explanation, the researcher proposes to conduct research as follows: Based on the explanation, The researcher proposes to undertake the following study: *"The Effect of Using Duolingo Application on Students Vocabulary Achievement of Tenth Grade Students at SMAN 3 Panyabungan"*

B. The Identification of the Study

Here are some problem that can be found in light of the context of the topic mentioned above:

- 1. A Lack of students vocabulary
- 2. Low motivation among students
- 3. A lack of media in learning English education
- 4. Students believe that English is difficult

C. The Scope and Limitation

Based on the identification of the problems above, this research focused on finding the students' achievement in vocabulary using Duolingo application at SMAN 3 Panyabungan which limited on vocabulary about nouns and pronouns in Duolingo application.

D. The Research of the Study

- 1. Is there any effect of using Duolingo application on students vocabulary achievement?
- 2. How is the effect of students achievement in vocabulary that would be taught by using Duolingo application?

E. The Objective of the Study

- 1. To find out wheter using Duolingo Application has any effect on students vocabulary achievement.
- 2. To find out the effect of students achievement in vocabulary that would be taught by using Duolingo application.

F. Significant of the Study

1. English teacher

According to researcher, Duolingo application is very fascinating and fun. Thus, the researcher expects that it will be one of the media used by English teachers so that the teacher becomes more creative when teaching, especially to improve vocabulary and reduce students difficulties in learning vocabulary. Can motivate and make the learning process better with this media, The class is more interesting and active at SMAN 3 Panyabungan.

2. The students

This research is expected to motivate students and be able to master English lessons well using Duolingo application which will make them enjoy learning English at home or in the class. Can also find out the correct answer from the application and can understand the meaning of words in sentences.

3. Readers and future researchers

This research is expected to provide new information and knowledge and add insight for researcher, readers and future researchers to conduct research with better teaching methods, and to solve students vocabulary problems with more interesting methods, as well as teachers who have the same problem as the researcher or use different objects and different subjects to make the research more complex.

