

CHAPTER II

REVIEW OF RELATED LITERATURE

This chapter explain about the basic theory that will be used by researchers for vocabulary improvement. More specifically, this chapter explains everything from vocabulary definition to using the Duolingo app and other features.

A. Vocabulary

In this explanation, the researcher explain definition of vocabulary, the purpose of vocabulary, the importance of vocabulary to teaching vocabulary.

1. Definition of Vocabulary

Vocabulary is the vocabulary of one's language. Vocabulary can be explain as a collection of words that are understood by someone. Vocabulary will develop with age. Vocabulary as a tool to communicate with other people and also to obtain information or knowledge. States that vocabulary is a wealth of language that is owned by a language itself. Vocabulary is one of the components of language that contains a lot of information about a meaning (Carter 2014).

Important component in English is vocabulary, because vocabulary is key in learning a foreign language (Alqahtani 2015). Vocabulary can also determine the quality of a person's language skills. . Suggest that vocabulary proficiency is a measure of a person's understanding of a language's vocabulary and ability to use that vocabulary both orally and

in writing. Limited vocabulary will create barriers to success in communicating. Vocabulary is one area of knowledge in language, vocabulary plays a very big role for someone who is a bride in a foreign language. Vocabulary is not just a set of words that we remember and know their meanings, but also the process of learning how to put those words together Carter (2014).

The aim of learning English at school is to develop oral and written language skills. English competence in question has the skills of listening, speaking, reading, and writing. The four language skills are a unit that cannot be separated from one another. Success in learning English is demonstrated by the ability to convey ideas orally or with

input. Learning English is essentially learning to use it in oral and written communication actively and effectively.

From the definitions described above, it can be concluded that vocabulary is everything about a word in a language. This vocabulary has a big role in learning or obtaining information or knowledge, because vocabulary is a person's communication tool. Having a wide vocabulary will make it easier for someone to interact with each other, especially in learning a foreign language.

2. The Importance of Learning Vocabulary

The importance of learning vocabulary to learn something new, people need to know the importance of what they want to learn (Alqahtani 2015). In this case, learning vocabulary is important because it helps students master the language they are learning, argues that words

are the gateway to the world, vocabulary is a means of establishing communication among humans, vocabulary is enabling humans to think, words are the basis for communicating with each other. With other people. In addition, vocabulary can train students to be used in writing. You can find many definitions of vocabulary learning. To achieve optimal vocabulary learning outcomes, teachers need to equip students with certain word domains. In each field of knowledge, use special words. Efforts to increase vocabulary must be sustainable and can be achieved through certain fields.

From the description above, it is clear that vocabulary mastery is very important in understanding a language. Students can communicate both verbally and verbally. To meet the needs of these students, the teacher must ensure that the components of the teaching and learning process are appropriate for mastering vocabulary mastery. So, for students, words related to a particular domain are the words that surround it, including nouns, verbs, adjectives, and adverbs.

3. Teaching Vocabulary

Vocabulary teaching is one of the most widely discussed areas of teaching English as a foreign language, especially English. Teaching vocabulary is very important to be introduced to students, because if vocabulary is not introduced properly, students will not understand the material we are going to teach (Alqahtani 2015).

Vocabulary teaching needs to be done so that students are able to master the material to be studied. Harmer (2007) states that teaching

vocabulary is clearly more than simply introducing new words. Here teachers must be careful in choosing vocabulary to teach students. Teachers and students need to know how to talk about the language at different times during the teaching and learning process.

Not only there, in every teaching and learning process there are always obstacles when teaching vocabulary. Problems always arise for teachers. Thus the teacher must prepare and find the right technique to be applied to students. Good teachers must prepare themselves with different and up-to-date techniques. So that if you get a problem in teaching Vocab it can be handled properly.

B. Duolingo

This chapter explain the definition of the Duolingo application, the benefits of Duoling and how to use the Duolingo application

1. Definition of Duolingo

With the development of technology from year to year, we must be technology literate. Time is getting more sophisticated. All are competing to make applications that can be used instantly, can be used in any circumstances and anywhere. Including learning applications. In the digital era of technology as it is today, we as educators must be able to follow and be able to use technology to support activities in the field of education. This means that we as humans cannot be separated from technology. With the rapid development of technology like this, it is good that technology can be used optimally for progress in various aspects of life.

In this era, there are many platforms that can be used as learning media. One of them is the application duoling. Duolingo is a platform in the form of a language learning application created by Luis von Ahn and his partner Severin Hacker. Duolingo was started in 2009 and launched in 2012. Apart from being an application, Duolingo can also be obtained via the web. This application is available on both android and IOS. Duolingo is a game-based platform for learning foreign languages. This app has 66 language courses available in 23 languages. The use of this application is about 120 million who have registered.

Learning in this dulingo app is designed like a game. so that learning is more dance and more understandable. Duolingo won an award by Google Play's Best of The Best 2013, because the gamification technique used is very powerful to make many people learn new knowledge. The gamification techniques in this Duolingo app are easy and fun to use, even though Duolingo is made for learning multiple languages.

Each chapter has a sentence that must be translated. of the sentence contains a new vocabulary or has been learned. After answering the question from the sentence, the answer will immediately be seen, whether the answer is prayer or correct. Each correct answer will get a point.

2. Characteristics of the Duolingo Aplication

This duolingo application has material in the form of text, visuals and audio. at the first level or the beginning of learning English, it will be filled with very easy material first to the hardest level which will continue

to increase. If you have successfully worked from one level, the user can enter the next level.

The material in this application is presented with an easy and understandable presentation in each material. This Duolingo application is made concise and interesting, made that way because learning can be learned easily and understood. At the most basic level of English the user will be presented with easy material such as animal themes, food, ownership and so on.

The questions that arise are about translating a sentence, indentifying the correct sentence, writing the correct sentence and also pronouncing a sentence. The learning presented is highly interactive as the user must pronounce words or sentences correctly in English depending on the material being studied.

If the user is wrong in pronunciation, they will immediately receive feedback in the form of the correct answer from the material. When composing sentences, each sentence will be accompanied by a virtual voice in English, through which users can directly know whether the pronunciation is correct or incorrect. So that it can also improve your ability to communicate in English.

3. The Advantages of the Duolingo Application

Duolingo is cross-platform and can therefore be used on different operating systems such as Android, iOS and Windows Phone. It can also be used on computer operating systems such as Windows 10 and Mac Os so

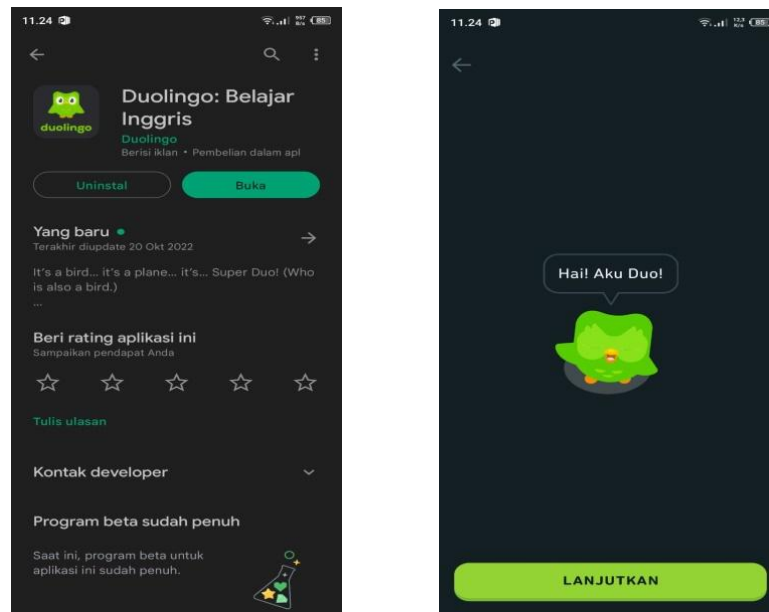
users can adjust it to suit the device they have. Duolingo can be downloaded for free from Playstore and App Store.

It can be said that this application is free of charge. The appearance of this application is designed in a friendly manner and the presentation of fun material makes Duolingo very helpful for someone in learning English. This duolingo application can be used anytime, anywhere and anytime. One of the basic considerations for developing mobile-based teaching media is the flexibility in accessing information anytime and anywhere.

There is a choice of beginner or advanced features. Furthermore users can also set weekly targets. The learning methods presented are also varied and fun. The material is not only in the form of text, there is also audio, visual which is packaged almost like a children's game.

4. Duolingo Application and the Features

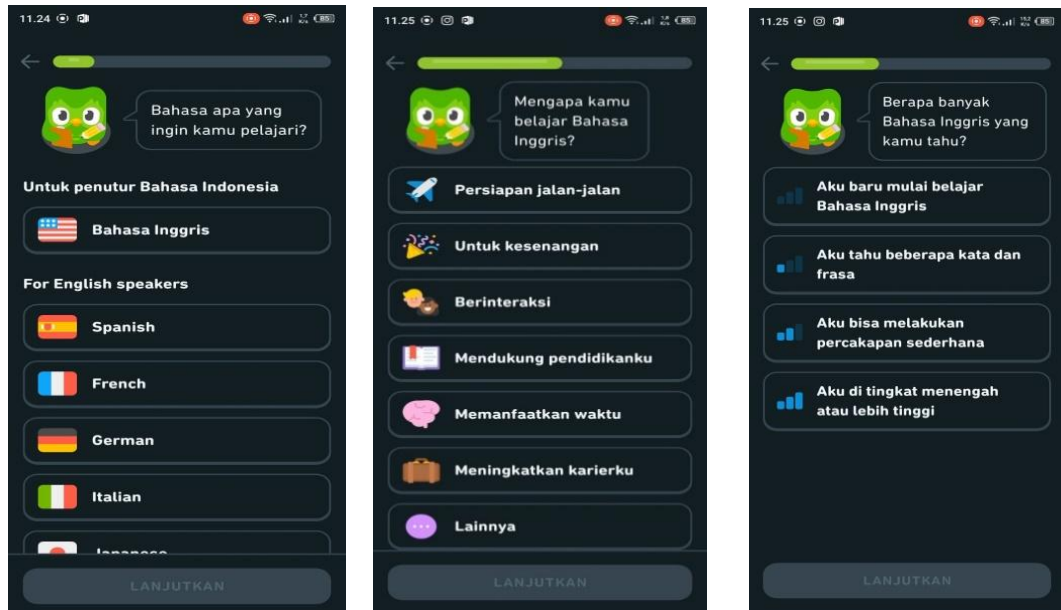
The first step is that we must have the application first, sure by downloading it in the app store, either on the PlayStore or the IOS store. After we get the application, the second thing is sure we enter the application, the first thing we see is that there is a green owl that will guide the application. First we will be greeted, and the green owl introduces himself, and he has a name called Duo.



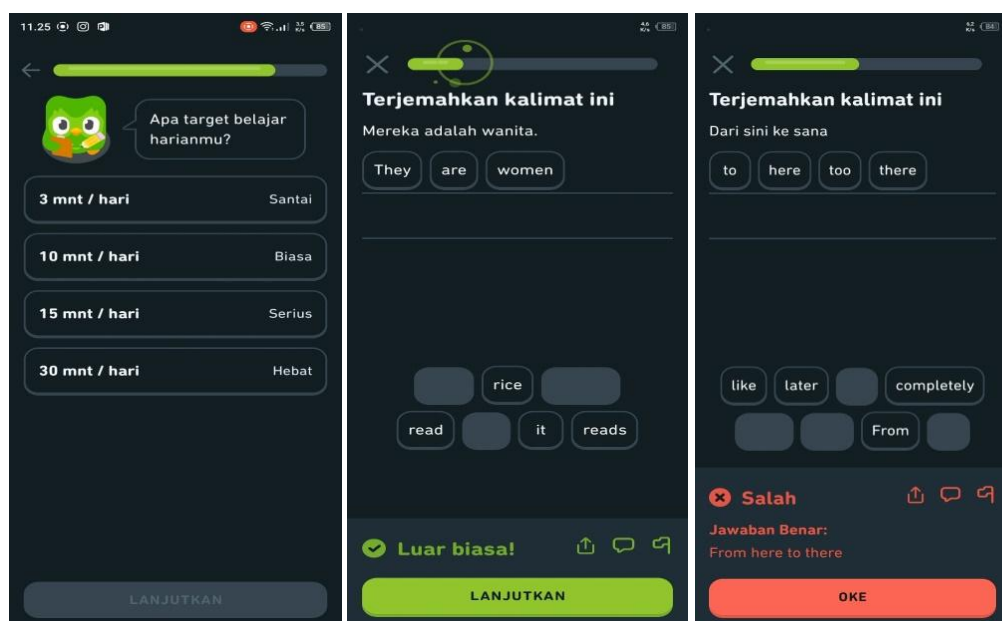
After that we will be asked the question "What language do you want to learn?" Then that's where we choose what language we want to learn. There are many languages, ranging from English, Spanish, French, German and many more. After we choose the language that we learn English, we get the next question, "How did you know about Duolingo?" There we can choose from whom or where we know the application.

After pressing continue we get the next question which is "How much English do you know?" We can choose whether we are just starting to learn English or are at an intermediate level. So the question is like our level of the ability we have, we can adjust the level of the level. The next question that was given was "Why are you learning English?" Here we immediately answered to support education, because our focus was on

increasing English vocabulary so that we could better understand the lessons.

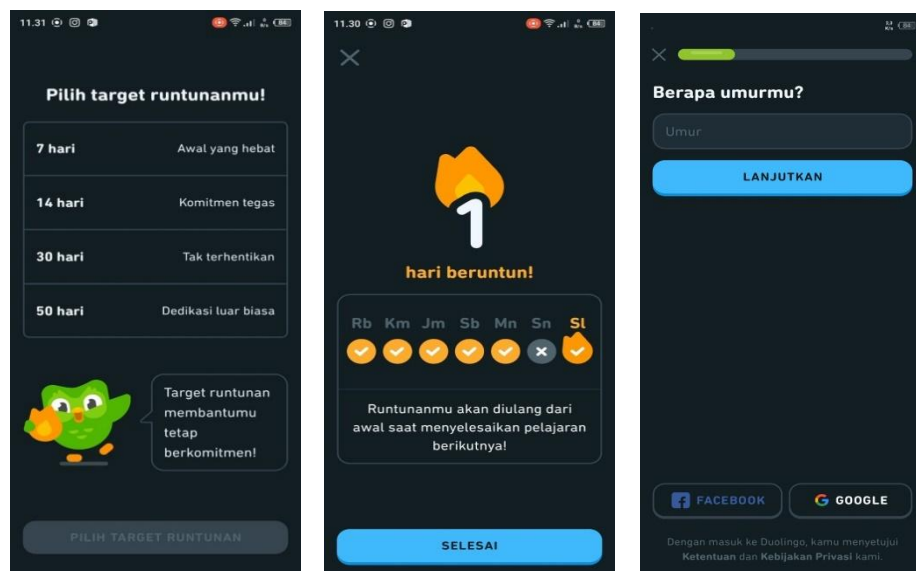


Then we can target our daily study, we can choose as we like, either study 3 minutes per day or 30 minutes per day. After a series of questions we will be tested for prefix, there are several quizzes ranging from listening to the text, translating, and also speaking. If the answer we choose is correct,

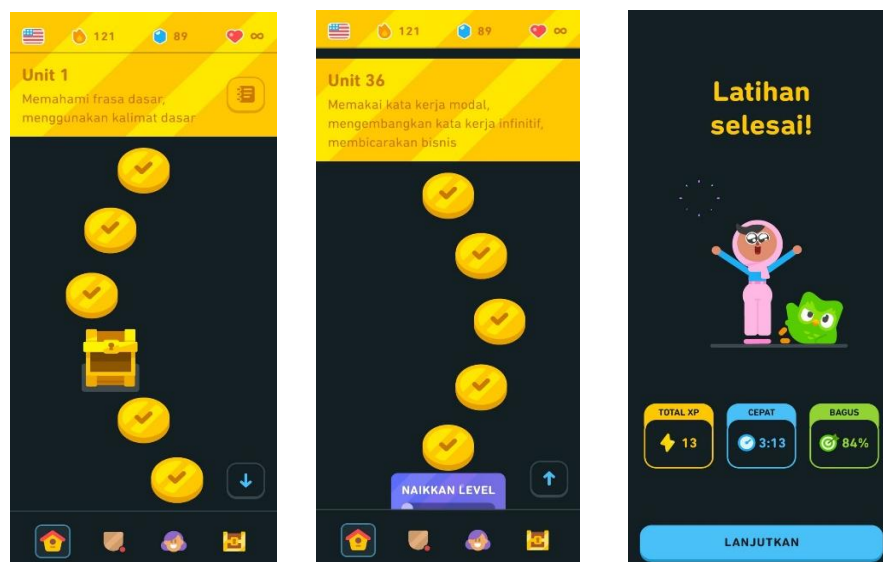


a green color will appear, if our answer is wrong, a red color will appear along with the correct answer.

In this Duolingo application there is a sequence, this sequence is like a daily study attendance. Moreover, skipping a day then we repeat the song from the beginning. And we also have to commit to the sequence, that is, we have to choose 1 full week of study, or 2 weeks or more. The second step is to just create an account, that is, you can register using Facebook or Google.



The Duolingo application also has several units to train vocabulary skills in students. From unit one to unit 36. Each unit consists of several challenges, with a yellow logo like a coin, and when clicked it will bring up several questions in it. We can jump from unit one to a higher unit as long as we can complete the challenges in it. Once completed, we will be shown how much time we spent working and we get the score criteria.



5. Teaching Vocabulary Using Duolingo Application

As for how to teach vocabulary using the Duolingo application media, we make sure by first introducing the application to students. First, students must have the application, where the Duolingo application can be downloaded in the Playstore or Appstore. Then we explain the features in it and how they work. After all is finished, teaching vocabulary begins with games in it, where students fill in the exercises that have been provided. Students are required to be able to remember the vocabulary encountered when playing the application. Students said to be able to remember English vocabulary if students can continue all the exercises they have learned. The exercises in the Duolingo application are also repetitive, so students can definitely remember what they get.

C. Previous Study

This research is supported by several previous researchers. The first, written by Warda (2022). The aim of The use of Duolingo to improve students' vocabulary mastery in SMP Darul Fikri Ngoro Jombang This study aimed to find the Duolingo game to improve students' vocabulary mastery. The subject of this study is a class of 20 students of grade VIII SMP Darul Fikri Ngoro Jombang. The study was conducted using classroom action research (CAR) in two cycles. The research tool was Duolingo tests, available to teachers and students. observation sheet. During pretesting, the average reading test score was 59.5% and the student success rate was 40%. In cycle 1, the average score of the reading test was 72.5% and the student success rate was 60%. The observation results of teachers and students in cycle 1 at the first meeting were 72.73% and 66.67%, and at the second meeting were 81.82% and 83.34%. The average score in cycle 2 is 79.25% and the student success rate is 85%. The observation results of teachers and students in cycle 2 at the first meeting were 100% and 91.67%, while at the second meeting, the observation results of teachers and students were 100%, that is, is the minimum criterion of student completion and has achieved success.

The second is written by Yuliasti (2020). The aim Using Duolingo Application to Improve student vocabulary for first grade at MA At-Thohiriyah Ngantru Tulungagung is, as a result of this test, the student's test score increased and was in line with the passing criteria. This technique can be considered successful if it meets the success criteria including two aspects, that is, the test results of 80% of students meet the given standard of 70. Cycle

student scores 2 increased according to preliminary research reports. and cycle 1. In the preliminary study (35%) passed the test, in cycle 1 (70%) passed the test and in cycle 2 (88%) passed test. . The main factor influencing this improvement is that students' interest in learning increased and they took vocabulary learning more seriously when using the Duolingo app.

The last one is an article written by Nursyamiah (2021). The aim of Penerapan Media Aplikasi Duolingo dalam Meningkatkan Penguasaan Kosakata Bahasa Inggris Siswa SMP Negeri 3 Agrabinta Cianjur is this study aims to improve the mastery of English vocabulary for VII grade students of SMP Negeri 3 Agrabinta through the application of duolingo application media. This study was a collective action research conducted in two cycles, with 22 seventh grade students as the research subjects. Data collection is done through observation, testing results and learning outcomes. The results of this study indicate that applying Duolingo application materials can improve the vocabulary mastery of 7th grade SMP Negeri 3 Agrabinta Cianjur students. This is shown by the rate of students completing their vocabulary mastery to define words in cycle 2 reaching 91% compared to cycle 1 reaching only 55%. The increase achieved is about 36%; In the reading section, the second cycle reached 100%, while the first cycle only reached 82%. The resulting increase is about 18%. And the writing rate in the second cycle reached 95.5%, compared to only 72.7% in the first cycle. The resulting increase is about 23.3%.

The difference between the previous study mentioned above and this study is that the previous study used different strategies and objectives, and the research objective was different from using the Duolingo application in school SMAN 1 Plsoklaten . And I hope this research will be better than before. Because the Duolingo application is very useful as a classroom teaching support, especially using the Duolingo application can be of great help to teachers.