CHAPTER II
REVIEW OF RELATED LITERATURE

This related literature review chapter begins with related studies, Vocabulary (The Definition of Vocabulary, The Importance of Vocabulary, The Technique in Teaching Vocabulary), Duolingo (The Definition of Duolingo, The Purpose of Using Duolingo, Advantages and Disadvantages of Duolingo, The Procedure of Learning Vocabulary by Duolingo)

A. Previous Studies

Duolingo has been the subject of several research (e.g., Vesselinov & Grego, 2012, Munday, 2016, Heba Bahjet Essa Ahmed, 2016). People who are motivated are more likely to follow the program's restrictions, according to Vesselinov & Grego (2012). Motivation for learning a new language plays an important role in the advancement of the learners' levels in enhancing their new language. The findings revealed that the majority of learners progressed over time without the aid of external sources. The findings show how important it is to be determined and motivated in order to study energetically and independently utilizing online services and apps like Duolingo.

Munday's (2016) study, "The Case for Using Duolingo as Part of the Language Classroom Experience," looked at the effectiveness of Duolingo in comparison to standard teaching methods in Spanish university courses. The goal of the study was not to make students cram

for Spanish, but to help them learn more effectively by not confining them to a set number of hours. Munday (2016) recommended for the use of Duolingo in classrooms, saying that students prefer it to homework. Furthermore, some students continued to use Duolingo after the course ended (Munday, 2016). The findings show that basic level learners may find Duolingo more pleasant and effective than advanced level learners.

Heba Bahjet Essa Ahmed (2016) conducted this research. It looked into how technology may be used to help people learn languages. The goal of the study is to prove that Duolingo can assist novices learn two languages at the same time. The findings revealed that Duolingo can help novices learn two languages, although it has limitations. As a result, it is suggested that Duolingo be developed for advanced users as well as English language learners. Based on prior research findings, it is clear that Duolingo may assist students, particularly those who are currently learning English, in improving their English.

B. Vocabulary

1. The Definition of Vocabulary

The most significant aspect to consider when learning a language is vocabulary. This is a fundamental component since vocabulary is required when language learners learn to talk, read, write, and comprehend what they encounter in a foreign language. It entails The study of a new language will be impeded due to limitations in vocabulary mastering. "Vocabulary is a major component of language proficiency and offers

much of the basic how effectively learners speak, listen, read, and write," according to Jack C. Richards (2002, p.255, as stated in Kartika, 2011). Without a large vocabulary and skills for learning new words, they are prevented from taking advantage of language learning possibilities available to them, such as listening to the radio, speaking with native speakers, using the language in various contexts, reading, or watching television."

To improve other components of the language, such as speaking, reading, listening, and writing, students must learn vocabulary. Although vocabulary is the easiest component of a second language to learn, according to Nunan (1991, p.118as referenced in Kamal, 2012), it is rarely included in the learning process in the classroom. Teachers in senior high school and junior high school do not place a strong priority on teaching vocabulary, which makes it more difficult for their students to improve their capacity to grasp the language, despite the fact that learning vocabulary is required for all language skills. For example, if students do not understand or comprehend the material they are reading, they will have difficulty understanding or comprehending the text. If they have a limited vocabulary, it will be difficult for them to converse in a foreign language. It's hard to learn a new language without learning vocabulary, and mastering the language is difficult if you don't start with the easiest.

2. The Importance of Learning Vocabulary

To learn something new, one must first understand the significance of the material. The importance of studying vocabulary in this scenario is to assist students in mastering the target language they are learning. Language learning not only prepares students for exams, but also teaches them how to utilize the language in both spoken and written form. Many descriptions of vocabulary learning objectives can be found, however the Indonesian Ministry of National Education (cited in Muttahidah, 2011) emphasizes vocabulary acquisition as follows: "Vocabulary learning is taught in the context of discourse, connected to subjects and also relevant to certain domains, such as game theme discourse, in accordance with the nature of language learning". Teachers must provide their students with terms related to specific fields in order to get best vocabulary learning results. Special words are used in each discipline of science. Vocabulary enrichment should be done on a regular basis and can be achieved from several disciplines.

As stated previously, mastery of vocabulary is necessary to understanding language. Students can communicate both orally and in writing. Teachers must ensure that the components of the teaching and learning process are competent in vocabulary mastery to satisfy the demands of these students. As a result, terms like nouns, verbs, adjectives, and adverbs that are commonly seen around students are associated with specific fields.

3. The Technique in Teaching Vocabulary

In general, there are several techniques for teaching vocabulary, but there are a few factors that most English teachers must keep in mind if they want students to recall new vocabulary. The approach utilized by the teacher is then examined, performed, and revised so that students do not forget it. It is dependent on various factors, including topic, time availability, and it's worth to students. Brewster, Ellis, and Girard offered the following vocabulary teaching techniques: With the use of graphics and photographs, Drawing, by utilizing items, Contrast, counting, pantomime, facial emotions, and gestures, to name a few. Using context to make an educated guess, Generating.

C. Duolingo
1. The Definition of Duolingo

Duolingo is a language learning program and website that is available for free. "Duolingo is establishing a world with free education and no language barriers," according to their website. While translating the web, users can learn languages for free" (Jaskova, 2014, p.16). It has various and up-to-date techniques in language learning especially on vocabulary. It contains a variety of up-to-date language learning strategies, particularly for vocabulary. Because kids are offered gamitation in the learning process, this might make it easier for them to understand and recall words, as well as make them engaged, enjoy, and glad to learn.

Duolingo is the language learning software of the future. It is highly useful for individuals who wish to learn a new language because it

can quickly access and supply various languages. Duolingo provides a number of elements that can assist students in learning a language quickly, including daily word lists, interactions with other users, Lingot businesses, and immersion for more experienced students.

Duolingo's learning methodologies are incredibly wide and convenient for beginners who are learning a new language from the ground up. It is really simple to use because the technique is straightforward. Duolingo aims are appropriate for people of all ages, including children, teenagers, parents, and others. According to Munday (2016, p.96) Duolingo is favoured over traditional assignments and media because of the convenience it gives. This implies that Duolingo is simple to use and beautiful, making it a good fit to be one of the media we utilize in the classroom. Grego and Vesselinov (2012) did a study to see how efficient Duolingo is at teaching languages. Students are satisfied with Duolingo and like learning languages using it, according to their research.

2. The Purpose of Using Duolingo

The purpose of Duolingo is for people to be able to understand and use a language. Users will be able to tell if Duolingo is focused on mastering vocabulary as part of what it offers in terms of learning. As a result, Duolingo may be a useful tool for students to enhance their vocabulary, and teachers can utilize it in the classroom to help students master vocabulary. One of the benefits of using the Duolingo is that it may help students learn new vocabulary through games so they don't get bored

while studying, and Duolingo is one of the innovative games available for this reason.

3. The Procedure of Learning Vocabulary by Duolingo

The essence of Duolingo's training is extremely transparent. Great workout that resembles some common activities. Practices build on each other, allowing students to be introduced to new vocabulary and concepts at the right time in the program. Duolingo engages in five different sorts of learning activities., as:

a. The first exercise provided by Duolingo is a vocabulary choose a picture exercise, in which learners are asked to choose the exact meaning of the image and vice versa.

b. The next activity is to translate the sentences. The learner's native language is translated into the target language, and vice versa. There are two approaches of translating sentences. First, the students must choose the correct translation of the offered words, and then they must arrange them into appropriate phrases. The learners must then type the correct translation depending on the sentences in the second part. There's also a listening exercise in which the student listens to a statement being spoken and types in what they hear; the learner can slow down the pace of the spoken sentence if they may not understand everything, and it can be listened to as many times as they want.

c. There is also a speaking activity in which the students must read out a sentence in the language they are studying.

d. Finally, it includes fill-in-the-blank exercises. In the form of a multiple-choice exercise. The students must choose the correct response from two or three options.

Learning a language with Duolingo is like playing a game, which is one of the reasons why language learners have stayed with it. Each exercise has three hearts, which implies that the students only have three chances to get each lesson in each level correct; otherwise, they must restart. Duolingo's structure makes it ideal for novices, which isn't usually the case with language-learning software.

There are a few unique features of Duolingo that make its exercises extraordinary. One is that minor grammatical errors are permitted. Within reason, if the learners misspell a word, the activity may still be marked correct, however Duolingo will point out the error. Duolingo will mark it incorrect even if the learners make a minor error. The students can be aware that their solution should have been approved despite the fact that it was not completely correct. Drill and Practice is a format that Duolingo has adopted for presenting messages and information.