THE EFFECTIVENESS OF MEMRISE ONLINE APPLICATION ON VOCABULARY MASTERY OF THE TENTH GRADE BDP STUDENTS OF SMK AL-FURQON BANTARKAWUNG

Eka Wahyuning Tyas [1]
Dede Nurdiawati [2]

[1] the Graduate of English Education Study Program
Universitas Peradaban Bumiayu – Brebes
Email: ekatyas59@gmail.com
Phone: +62 852 0086 0855

[2] the Lecturer of English Education Study Program
Universitas Peradaban Bumiayu – Brebes
Email: dedenurdiawati7@gmail.com
Phone: +62 877 1030 5577

Abstract

Without vocabulary, it is difficult for the students to express their opinions, ideas, and feelings. Memrise online application is a software application that offers the users to memorize vocabulary easily. The tenth grade BDP *(Bisnis Daring dan Pemasaran)* students of SMK Al-Furqon Bantarkawung are still lack of vocabulary. The purpose of this research is to find out whether Memrise online application is effective or not on vocabulary mastery for them. This is an experimental research. The data of the

research are collected from tests, questionnaire, and documentation. T-test is used to test the hypothesis. The result finds that t_{value} is 0.063 and significant of level 0.05, the score of t_{table} is 1.67252. The calculation shows that t_{value} is lowest than t_{table}. Thus, H0 is accepted and Ha is rejected. 100% students are present studying Memrise on vocabulary mastery for them, but they have a problem when using it, such as: connecting internet and smartphone. The writers conclude that Memrise Online application is not effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung.

Keywords: memrise online application, vocabulary mastery, the tenth grade BDP *(Bisnis Daring dan Pemasaran)* students

A. Introduction

Vocabulary knowledge has important role for students in mastering English skill. For example, in listening, vocabulary gives the students easiness to comprehend what the other person speaks. In speaking and writing, vocabulary gives the students easiness to develop their ideas. In reading, vocabulary gives the students easiness to comprehend reading text (Schmitt and McCarty, 1997: 6). Meanwhile, Wilkins in Thornbury (2002: 13) says, "Without grammar very little can be conveyed, without vocabulary nothing can be conveyed." It means that vocabulary is one of the most important things to learn English. Therefore, vocabulary can not be ignored by students who learn English.

There are some reasons why students must learn vocabulary, such as: being lack of vocabulary will make the students difficult to follow teacher's

explanation. Limited vocabulary will make them become passive in the classroom.

The condition of lack vocabulary and limited vocabulary happen because the technique of teaching from the teacher is not interesting and make students bored. Teachers should think and implement the creative method and media which will increase students' motivation in learning vocabulary.

There are some reasons why the writers are interested in choosing the topic and conduct a research in SMK Al-Furqon Bantarkawung especially at the tenth grade BDP (*Bisnis Daring dan Pemasaran*) students: The writer finds some of the tenth grade students' problems have a lack of vocabulary and limited vocabulary.

The writers want to determine the effectiveness of Memrise applied in classroom teaching for the tenth grade BDP students of SMK Al-Furqon Bantarkawung. Memrise is created by basic system for memorizing using flash card with a spaced repetition so that it will help the students review words and be able to memorize a huge vocabulary in short time (www.memrise.com). Furthermore, a researcher, Fadilahwati (2016), argues that Memrise reminder system can remind the students of learning time or review their courses. Therefore, it gives the students motivation to learn and make them remember the time when they have to learn or review the vocabulary. According to Luczak (2017), Memrise courses are created by the internet users through the method that all members of the Memrise community can contribute course content. The purpose of this research is to find out whether it is effective to help the students master vocabulary or not.

B. Literature Review

According to Syah and Enong (1981: 1), vocabulary is the total number of words, a list of words in a particular language that a person knows or uses. Vocabulary has two kinds: general vocabulary and special vocabulary.

McCharty (1997: 6) says that mastering vocabulary is not easy, yet other aspects of the language should be considered such as sound and structure. Vocabulary is one of the most important elements in a language. The purpose of mastering vocabulary for the students is to make them easier and be able to learn English. The students cannot learn language without vocabulary. It is impossible because vocabulary is the words that the students use in language. Meanwhile, Thornbury (2002: 24) offers some techniques in vocabulary mastery, as: repetition, retrieval, spacing, use, cognitive depth, personal organizing, and affective depth.

Found in 2010, Memrise has quickly grown and now more than 40 million people in 189 countries learn languages with this application. 2017 Memrise gets award the best application form google play (www.memrise.com/about/). According to Amanaturrosyidah (2017), https://m.kumparan.com/ochiamanaturrosyidah/memrise-si-guru-dalam-genggaman. The founder of Memrise is Ed Cooke. He is a grand master of memory and Greg Detre is a neuroscientist specializing in the science of memory and forgetting. The founders of Memrise apply basically a system for memorizing and using flashcards with a spaced repetition system.

Fisher in Fadilahwati (2016: 36) states that Memrise as free learning language platform uses its community of users to teach and improve language

learning for everyone involve. Memrise provides some unique features. One of the features is Memrise exercise system. This system is able to exercise and put strong memory in brain. As this system is combined with flashcard and game, it makes a learner fun in learning language especially vocabulary.

There are several types of activities that Memrise employs in learning, such as:

1. The first activity is learning words or phrase, then learning this application will give exercise in the form of multiple choice words or phrases which have been learned. The students should achieve the specified target.
2. Next exercise arranges the words or phrase. There arranged word from learner is native language to target language.
3. After a course is completed, there will be a lesson evaluation.
4. Next the students try rapid recall, so that they do not forget the words that have been studied, or try out difficult word feature for those who want to challenge their abilities even further.

C. Method of Investigation

The writers conduct quantitative research, because the data processing uses statistics. The writers apply experimental design. According to Sugiyono (2017: 72), experimental research is research method used to search the effect of treatments on others in controlled conditions. The aim of this research is to find out whether Memrise online application on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung is effective or not. There are two groups in this study: experimental class and control class. The tenth grade BDP students are as sample of this research. Tenth BDP 2 is as

experimental class and it gets treatment by using Memrise online application on vocabulary mastery. Meanwhile, the tenth grade BDP 1 is as control class.

Before giving treatment the writers test the instruments research by using theory Aiken V for validity and KR 20 (Kuder Richardson) from Sugiyono (2017: 132). The result of calculation shows both of them are valid and reliable. The techniques of data collection are taken through test, questionnaire, and documantation. The writers apply techniques of data analysis from Sugiyono (test analysis) and Sudjiono (questionnaire analysis).

D. Findings and Discussion

After obtaining the data (test and questionnaire), firstly the writers analyze the data (test) by using two kinds of statistical analysis. They are descriptive statistic and inferentiala statistic. Afterwards, the writers analyze the data (questionnaires) by using to formulation taken from Sudjiono (2009: 43). At the first step, the writers investigate some data about test result. Calculation of the test results on a few criteria of scoring. The writers use the criterion reference scales of mastery based on Arikunto (2010: 245). The criterion presents in the table below:

Score	Grade	Level of Achievement
80-100	A	Excellent
66-79	B	Good
56-65	C	Sufficient
40-55	D	Fairly sufficient
<39	E	Poor

In experimental class, there are 2 students categorized excellent, 4 students categorized good, 13 students categorized sufficient, 8 students fairly sufficient, and 2 students categorized poor. Meanwhile, in control class, there are 2 students categorized excellent, 4 students categorized good, 11 students categorized sufficient, and 12 students categorized fairly sufficient.

From the result of calculation, the writers find out that descriptive analysis of the result of experimental class is that the highest score of the tenth grade BDP students of SMK Al-Furqon Bantarkawung is 90 and the lowest is 30. The mean of experimental class is 59.8, the standard deviation is 12.9, and the variance is 168.8. Meanwhile, the dominant students obtaining the score of "80-100" is 2 students who get the excellent score, "66-79" is 4 students who get good score, "56-65" is 13 students who get the sufficient score, "40-55" is 8 students who get fairly sufficient score, and "<39" is 2 students get the poor.

Whereas, the result of control class is that the highest score is 90 and the lowest is 45. The mean of control class is 59.6, the standard deviation is 10.8, and the variance is 118.3. Meanwhile, the dominant students who get the score of "80-100" is 2 students who get the excellent score, "66-79" is 3 students who get good score, "56-65" is 10 students who get the sufficient score, and "40-55" is 14 students who get fairly sufficient score.

Based on assumption, Memrise online application is effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung. After being proved by inferential analysis the writers find out that the result of hypothesis test is t_{value} is lowest than t_{table} (0.0063 <

1.67252). Whereas, based on criterion hypothesis is if t_{value} is highest than t_{table}, so Ho is rejected and Ha is accepted. It means that Memrise online application is effective on vocabulary mastery for the tenth grade students of Al-Furqon Bantarkawung vocational school. Meanwhile, if t_{value} is lowest that t_{table}, so Ho is accepted and Ha is rejected. It means that Memrise online application is not effective on vocabulary mastery for the tenth grade students of Al-Furqon Bantarkawung vocational school.

The result of this research shows that t_{value} is lowest than t_{table}, so Ho is accepted and Ha is rejected. It means that Memrise online application is not effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung.

However, the result of questionnaire shows that the students are motivated to study vocabulary by using Memrise and they feel fun when studying vocabulary by using Memrise online application. On other side, 51.72% students agree Memrise can help them on vocabulary mastery and several students have a problem when studying vocabulary by using Memrise online application.

E. Conclusion

In conclusion, this research has answered the research question that Memrise online application is not effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung. It can be seen from the mean between experiment class is 59.8 and control class is 59.6. Both of them are not different. From other factors, Memrise is not effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung because several students stay at boarding school. Thus, they do not bring smartphone

at school. It becomes a problem for them in learning vocabulary by using Memrise. Meanwhile, students who have smartphone can not access internet at home due to internet connection problem, so they only use internet at school.

In addition, the result of the calculation of t_{value} is 0.063. Based on the t_{value} on t_{table} for (n1 =29 and n2 =29) and significant of level 0.05, the score of t_{table} is 1.67252. The calculation shows that t_{value} is lowest than $t_{table.}$ Thus, H0 is accepted and Ha is rejected. Therefore, the hypothesis of this research that Memrise online application is effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung is rejected.

It can be concluded that using Memrise online application is not effective on vocabulary mastery for the tenth grade BDP students of SMK Al-Furqon Bantarkawung. It can be effective if and only if it is supported with some requirement, such as: every student has smartphone or laptop and can access internet connection well, since Memrise is not offline application.

Acknowledgement

Bibliography

Aiken, Lewis R. 1985. Three Coefficients for Analyzing the Reliability and Validity of Ratings. *Educational and Psychological Measurement e-Journal*, 45(131).

Amanaturrosyidah, Ochi. 2017. *Tekno dan Sains Memrise, Si Guru Dalam Genggaman*. https://m.kumparan.com/ochi-amanaturrosyidah/memrise-si-guru-dalam-genggaman. (Accessed on August 14th, 2019 at 8 pm).

Arikunto, S. 2010. *Prosedur Penelitian Suatu Pendekatan Praktek*. Jakarta: Rineka cipta.

Cahyono, B. Yudi. 2011. *The Teaching of English as a Foreign Language in Indonesia.* Malang: University of Malang Press.

Fadilahwati, Dian. 2016. Learning and Reviewing Vocabulary through Memrise to Improve Students' Vocabulary Achievement. *Jares e-Journal*, 1(2), pp 33-46.

Luczak, Aleksandra. 2017. Using Memrise in Legal English Teaching. *Studies in Logic, Grammar and Rhetoric e-Journal*, 49(62).

Schmitt, N, and Michael, McCharthy (Eds). 1997. Vocabulary: Description, Acquisition and Pedagogy. Cambridge: Cambridge University Press.

Eka Wahyuning Tyas, Dede Nurdiawati

Sudijono, Anas. 2009. *Pengantar Statistik Pendidikan.* Jakarta: Rajawali Pres.

Sugiyono 2017. *Metode Penelitian Kuantitatif dan Kualitatif dan R&D*. Bandung: Alfabeta.

Syah, Djalinus, dan Azimar Enong. 1981. *Tata Bahasa Inggris Modern*. Jakarta: Miswar.

Thornbury, S. 2002. How to Teach Vocabulary. Malaysia: Longman.