

# The Effect of Memrise Application Towards Students' Vocabulary Mastery

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**Abstract:** The research paper aims to know whether the use of Memrise Application gives a significant effect towards students' vocabulary mastery at the Eight grade student' of MTs Mathla'ul Anwar or not. The research paper uses the quantitative research design with the characteristics of experimental method that is design into two classes. They are the experimental and the control class. The population of this research consists of 71 students and the sample of this research is VIII A as experimental class consists 22 Students and VIII B as control class consists 22 students. Total of sample is 44 students. The instrument is a test and data of this research are collected by giving the per-test and post-test. The data is analyzed using statistical of program SPSS 22 including mean, standard deviation, and t-test. It could be seen from the result of the post-test of experimental and control class. Based on the result of data analysis and interpretation of the research. It is clear there is significant effect of Memrise application towards students' vocabulary mastery at the eighth-grade students' of MTs Mathla'ul Anwar Malingping. It can be seen the minimum score of pre-tests of experimental class is 44, maximum 88, mean 61.91 and standard deviation 11.880, while the minimum score of post-tests of experimental class is 52, maximum 92, mean 72.82 and standard deviation 12.010. Furthermore, the minimum score of pre-tests of control class is 36, maximum 76, mean 58.73 and standard deviation 9.731, while the minimum score of post-tests of control class is 40, maximum 80, mean 64.64 and standard deviation 9.469. The result of t-test obtained sig. value  $0.000 \leq \alpha = 0.05$ .  $H_a$  is accepted and  $H_o$  is rejected. It can be concluded that there is significant effect of Memrise application towards student's vocabulary mastery.

**Keyword:** *Memrise Application, Vocabulary Mastery, Teaching Vocabulary*

## INTRODUCTION

Language is the significant component involved by individuals for correspondence. The English language has a huge status in overall correspondence because of the reality verbal and nonverbal English capacities are significant all over the planet. English has ended up being a device of correspondence in transportation, business, banking, the travel industry, innovation, worldwide relations, clinical exploration and training. These days, English is a fundamental trouble in school system. English schooling isn't ideal to work on nonverbal capacities anyway also to improve verbal abilities. English is one global language is utilized in numerous nations over the world including Indonesia.

As the worldwide language, English plays an absolutely significant part, particularly in the part of training. Thought of the significance of this English language, the public authority chose to make this English as a subject instructed from primary school level until college. The instructing of English at each level would be unique, as well as educating at the senior secondary school level; understudies need learning with fun and agreeable ways.

At the point when understudies learn English, there are four abilities required. Those are tuning in, talking, perusing and composing. These abilities are upheld by acquiring components like design, jargon, elocution and language. Vocabulary is one of the language parts which play a significant part in language learning. Prior to dominating sufficient jargon, understudies are difficult to dominate the four abilities referenced previously, and they likewise can't talk or convey in English well. In this manner, jargon is classified as one of the significant language components which understudy ought to dominate. The dominance of jargon can't at times be reached ideally without great media and technique. Jargon incorporates assortments of words. The words are referred to as individual words, yet in addition a gathering of words that have meaning. The understudies will get hardships in understanding the text on the off chance that they don't have the foggiest idea about the words in the text. Likewise, in talking, they

will have same issue assuming they have just couple of vocabularies. At the junior school level, English is one of the compulsory subjects which are learned by the students. Based on the personal communication (November 22rd, 2021) with Mrs. Sri Handayani, S.Pd. She is an English teacher at MTs Mathla'ul Anwar Malingping.

The researcher found a couple of issues there, similar to the normal of understudies' score are exceptionally low, the understudies' inspiration in learning English also are extremely low. A large portion of the causes which cause them are somewhat exceptionally low in English are overwhelmed by shortcomings of dominating jargon. The shortcomings here are on the grounds that the understudies feel troublesome on retaining jargon. Besides, the restricted media and dreary educating are likewise causing the understudies to feel apathetic and exhausting.

Thusly, the analyst feels that the educator needs to track down better technique to make learning vocabulary more pleasant. There are numerous powerful learning media one of them is Memrise. Memrise is a free online foreign language learning app. Memrise can be accessed via the link [www.memrise.com](http://www.memrise.com) or can be downloaded via the Playstore application on every Android. The learning systems programmed by Memrise are from beginner to advanced. This application is packaged by combining several elements, namely science, fun in learning, and the learning community. Memrise Application is an online learning application that is good, fast, fun, and high of quality.

Fisher at Triani, D. (2020) said that Memrise is a free foreign language learning website that aims to improve foreign language learning for everyone. Memrise application uses audio, image, and memory techniques to help us connect one word to another to make it easier to remember. Then, there are also routine tests to make sure we tie the vocabulary concepts we have learned. Therefore, researchers used this application as research material, namely the effect of using the Memrise application to tie the students' English vocabulary mastery. From the foundation of issues over the specialist direct an examination that emphasis on applying Memrise in working on understudies' jargon. This exploration is named: "The Effect of Memrise Application towards Students' vocabulary mastery at The Eighth Grade Students of MTs Mathla'ul Anwar Malingping Malingping in Academic year 2022/2023". By utilizing Memrise, it is trust that the educator will be imaginative and the understudies become more inspired by dominance vocabulary

## METHOD

This research used a quantitative quasi experimental approach using Pretest-Posttest Control Group Design. In this design, the sample will be grouped into two groups. The experimental class is using Memrise Application, while the control class is using Kahoot Application. This is aimed to see the technique given is powerful as the objective of the research to investigate the effect memrise application towards students' vocabulary mastery.

In this research, the researcher has implemented the memrise application in the experimental class, and kahoot application in the control class as a learning medium. In the first meeting of the research, the researcher gave a pre-test to both the experimental class and the control class to measure the extent of students' vocabulary mastery. Then, gave treatment for two meetings and the last meeting of the research, the researcher gave a post-test to find out the final results and to prove the significant effectiveness after being given treatment using a Duolingo application in the experimental class.

In this section, the researcher used cluster random sampling to take the sample. Cluster random sampling is a probability sampling method where researchers divide the population into clusters or smaller groups. Based on the result of cluster random technique where the researcher chooses both classes randomly by using lottery system, so it was found that Class VIII A as experimental class by using Memrise Application while VIII B as Control class by using Kahoot Application. The researcher takes two classes to investigate this study. The researcher took two classes because he uses experimental group and control group in this study. The sum of VIII A and VIII B of this research is 49 students but in collecting the data the researcher only uses 44 students as sample because to make the calculation easier.

## RESULTS AND DISCUSSION

In processing the data, firstly, the researcher tried to collect the data of students vocabulary achievement through pre-test and post-test. The students divided into two groups: VIII-A (Memrise Application) as Experimental Group and VIII-B (Kahoot Application) as control group. The result of pre-test and post-test each group can be shown in following table.

**Table 1.** Descriptions Data Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Pre-Test Experimental	22	44	88	61.91	11.880
Post-Test Experimental	22	52	92	72.82	12.010
Pre-Test Control	22	36	76	58.73	9.731
Post-Test Control	22	40	80	64.64	9.469
Valid N (listwise)	22				

Based on the result of the pre-test at experimental class; the total students are 22, the highest score is 88, the lowest score is 44, and the total score is 1362. Meanwhile, the result of the pre-test at control class; the total students are 22 the highest score is 76, the lowest score is 36, and total score is 1292. On the other hand, the result of the post-test at experimental class; the total students are 22, the highest score is 92, the lowest score is 52, and total score is 1522. Meanwhile, the result of the post-test at control class; the total students are 22, the highest score is 80, the lowest score is 40, total score is 1422.

To analyze the data, the researcher used SPSS 22 in statistical calculations to test the normality, homogeneity of the data, and hypothesis test. For the hypothesis test in this study, the researcher used the analysis of a t-test.

### a. Normality Test

The purpose of normality test is to find out whether the data are distributed normally or not. In normality, the researcher uses SPSS program. The researcher analyzes the normality test in *kolmogorov-smirnov* with SPSS 22 program by comparing the sig. value with  $\alpha = 0.05$ . The criterion of normality of the distribution as follow:

**Table 2.** Tests of Normality

Class		Kolmogorov-Smirnova			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
The Result of Students	Pre-Test of Experimental	.145	22	.200*	.947	22	.279
	Post-Test Experimental	.134	22	.200*	.946	22	.261
	Pre-Test of Control	.154	22	.192	.955	22	.404
	Post-Test of Control	.155	22	.183	.937	22	.173

Based on the table above, it could be seen that p-value (0.200, 0.200, 0.192, and 0.183) are higher than  $\alpha = 0.05$ . It means that  $H_0$  is accepted. On the other word, the score on each group is normally distributed. It means that  $H_0$  is accepted. On the other word, all of the data are normally distributed.

### b. Homogeneity Test

Homogeneity test is used to see the equality of variance. Larson (2010:86) stated the variance is a number that measure the average square distance from the mean to any point, so it measures dispersion around the mean and the standard deviation is just the square root of this number.

Based on the Larson opinion can be concluded homogeneity is aimed to calculate the mean of both of post-test.

**Table 3.** Test of Homogeneity of Variances

Levene Statistic	df1	df2	Sig.
1.159	1	42	.288

The statistic result showed that the score of homogeneity of pre-test between Control and Experimental class is higher than  $\alpha = 0.05$ . From the table above could be seen that if p-value (0.254)  $> \alpha = 0.05$ . The result of Homogeneity test is accepted. It means that the data is from equal population.

### Hypothesis Test

According to Patel, A. D. (2011), “*t-test is statistical test that is able to use in testing the difference equality of two condition/treatment or two different groups which the principle is mean comparison of both groups.*”

**Table 4. Paired Samples Test**

				Paired Differences		t	df	Sig. (2-tailed)
				Mean	Std. Deviation			
Pair 1	Pre-Test of Experimental	Post-Test of Experimental	-	-10.909	5.300	-9.655	21	.000
Pair 2	Pre-Test of Control	Post-Test of control	-	-5.909	2.991	-9.268	21	.000

Based on the data above, so it could be concluded that:

Is there any significant effect of memrise application towards student's vocabulary mastery at the eighth-grade students of MTs Mathla'ul Anwar Malingping?

The statistical hypothesis as follow:

H1: There is a significant effect of memrise application towards Student's vocabulary mastery at the eighth-grade students of MTs Mathla'ul Anwar Malingping.

Ho: There is no significant effect of memrise application towards student's vocabulary mastery at the eighth-grade students of MTs Mathla'ul Anwar Malingping.

The criteria are as follow:

If Sig. value  $\geq \alpha = 0.05$ : (Ho is accepted and ha is rejected)

If Sig. value  $\leq \alpha = 0.05$ : (Ha is accepted and Ho is rejected)

The estimations are:

If p-value  $> \alpha = 0.05$ , ( $H_0$  is accepted and  $H_a$  is rejected).

If p-value  $< \alpha = 0.05$ , ( $H_a$  is accepted and  $H_0$  is rejected).

Based on the discussion of the output SPSS on table 4.7, it can be concluded that t-count= -9.655 and signification value (p-value) = 0.000  $< \alpha = 0.05$ , so  $H_a$  is accepted and  $H_0$  is rejected. On the other word, there is a significant effect of memrise application towards student's vocabulary mastery

## CONCLUSIONS

Based on the result of data analysis and interpretation of the research, it is clear that there is significance of Memrise application towards student's vocabulary mastery at the eighth-grade students of Mts Mathla'ul Anwar Malingping, Lebak Banten in Academic Year 2022/2023. It could be seen that t-count= -9.655 and signification value (p-value) = 0.000  $< \alpha = 0.05$ , so  $H_a$  is accepted and  $H_0$  is rejected. It means that teaching vocabulary by using Memrise application has significant good effect towards students' vocabulary mastery at the eighth-grade students of MTs Mathla'ul Anwar Malingping, Lebak Banten in Academic Year 2022/2023. Therefore, the null hypothesis ( $H_0$ ) is rejected; on the other hand, the alternative hypothesis ( $H_a$ ) is accepted.

In addition, Memrise is one of interesting ways in teaching and learning vocabulary because it could motivate the students in learning English. It showed in results of the questionnaire in which they gave positive responses about Memrise. In conclusion, using Memrise in teaching and learning vocabulary can help and motivate the students to improve their vocabulary.

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