

ABSTRACT

IMPROVING STUDENTS' READING COMPREHENSION BY USING MIND MAPPING TECHNIQUE THROUGH *MIMIND* APPLICATION AS ANDROID BASED MOBILE LEARNING AT THE FIRST GRADE OF SMAN 1 SUMBEREJO IN ACADEMIC YEAR 2020/2021

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The objectives of this research are: (1) to find out the significant difference of using mind mapping through *miMind* Application in improving students' reading comprehension of narrative text; and (2) to know the students' responses toward *miMind* Application as android based mobile learning. This is a quantitative study which had intact group pre-test and post-test design. Therefore, the effectiveness of this study can be seen through the significant difference before and after the implementation of mind mapping technique through *miMind* Application as revealed on the students' scores. This research was conducted at the first year of SMAN 1 Sumberejo in academic year 2020/2021. The sample of this research was X MIPA 1 consisted of 36 students which was selected by using cluster random sampling. The research data were collected by using reading test and questionnaire.

The results show that students' mean scores in the pre-test was 61.18 and post-test was 76.81. It can be seen that the students' mean score of post-test increased about 15.63 point after being taught by using mind mapping technique through *miMind* Application. Then, to find out the effectiveness, the results were computately analyzed using Paired Samples T-Test through SPSS 20 Program, which showed that t-value (6.780) was higher than t-table (2.0301) at level of significance 0.05. Based on this result, H_0 or null hypothesis was rejected, while

H₁ or alternative hypothesis was accepted. In other words, there is significant difference between the students' reading comprehension in narrative text before and after the implementation of mind mapping technique through *miMind* application in SMAN 1 Sumberejo. It was also supported by the students' responses from the questionnaire. From the result, there were 89% students gave positive response and 11% gave negative response toward mind mapping through *miMind* Application. It can be concluded that mind mapping technique through *miMind* Application is effective to improve students' reading comprehension of narrative text.

Keywords: Reading Comprehension, Mind Mapping Technique, *miMind* Application, Android, Mobile Learning.