

## ABSTRACT

### DIGITAL MIND MAPPING TECHNIQUE TO INCREASE THE STUDENTS' INTEREST AND VOCABULARY ACHIEVEMENT TO THE TENTH GRADE STUDENTS AT SMK IT BAITUN NUR PUNGGUR

By

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The present study is aimed to find out whether there is a significant difference of students' vocabulary achievement between students who are taught by using digital mind mapping technique and original mind mapping technique, and whether there is an increase in the students' interest of English vocabulary learning through digital mind mapping technique. The subjects of this research were the tenth grade students of SMK IT Baitun Nur Punggur. This study is quantitative research. The data were obtained from the pre-test, post-test, and questionnaire. The data were analyzed by using Independent group t-test and Paired sample t-test in SPSS (*Statistical Program for Social Science*). The results show that the students' vocabulary achievement in experimental class increased from 54.07 to 81.87 and there is a significant difference with the sig. (2 tailed) of  $0.00 < 0.05$ . The result of students' vocabulary achievement in control class also increased from 53.40 to 68.73 and there is a significant difference with the sig. (2 tailed) of  $0.01 < 0.05$ . Meanwhile, the result of the significance value of the experimental class and the control class are  $0.00 < \alpha = 0.05$ . It means that the p value is less than 0.05. This indicates that there is a significant difference in students' vocabulary achievement between the students who were taught using digital mind mapping technique and original mind mapping technique. Furthermore, the results show that students' interest increased from 30.07 to 42.30 with a significance value of  $0.00 < \alpha = 0.05$ . It can be concluded that H1 is accepted which states that there is an increase in students' interest in learning vocabulary using digital mind mapping technique. In conclusion, learning using digital mind mapping technique has a greater influence on students' vocabulary achievement and it is also able to increase students' interest in English vocabulary.

**Key words:** *Vocabulary, Mind Mapping, Digital Mind Mapping, Students' Interest*