ABSTRACT

THE INFLUENCE OF DIGITAL MIND MAPPING TECHNIQUE TO INCREASE STUDENTS' WRITING SKILLS

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The research aimed to find out whether there was a significant increase in students' writing skills after the use of digital mind mapping technique in teaching writing of descriptive texts and to find out which aspect of writing increased the most after the use of digital mind mapping technique. This research used quantitative research with one group pre-test and post-test design. The population of this research was the first grade students at Senior High School Tri Sukses Natar. The samples of this research were twenty eight students in class X M3 at SMA Tri Sukses Natar in the academic year 2023/2024. The sampling technique used was purposive sampling, and the data were collected through pre-test and post-test in the form of a written test. The data were analyzed by using paired sample t-test with a significant level of 0.05.

The results showed that the mean score of the pre-test was 67.39 and the post-test score was 77.07. The gain score was 9.68. It could be seen from the significant value of the test, which was lower than alpha $0.00 < 0.05$ and the t-value (17.917) was higher than t-table (1.7033). The statistically showed that there was a significant increased students' writing between the pre-test and the post-test after the students were taught by using digital mind mapping technique in writing skills. It was followed by content aspect with the gain 4.8 in which the aspect that increased the most over vocabulary, organization, language use, and mechanics. Therefore, it can be concluded that the digital mind mapping technique was effective for students' writing skills in descriptive text. Based on the challenges faced while conducting this research, the researcher suggests by using a projector in explain the use of digital mind mapping in class.

Keywords: Descriptive text, digital mind mapping, paired sample t-test, writing skills