

Abstract: This research's purpose was to find out if crossword puzzle teaching strategy gives a significant effect towards students' vocabulary mastery in SMA Amir Hamzah Medan. The research design used by the researchers was pre-experimental design formed as 1 group pretest-posttest design using quantitative approach. The data collecting method was test. The research data were analyzed by applying paired samples t-test formula through SPSS 23 and the result of the research showed that the value of the t-count was 51,700, while the t-table with the significance level of 5% and Df of 12 was 2,179. The t-count was higher than the t-table ($51,700 > 2,179$). It means that the null hypothesis (H_0) was rejected while the alternative hypothesis (H_a) was accepted. In conclusion, there is a significant effect towards students' vocabulary mastery before and after being taught by using crossword puzzle teaching strategy in SMA Amir Hamzah Medan.

Key Words: Crossword Puzzle, Vocabulary Mastery