This study aims to discover the effect of applying Think Pair Share Technique on students’ writing achievement. It was conducted by using experimental research design. The population of this research was X grade students of SMA Al-Hidayah Medan. The samples of the research were two classes which consisted of experimental and control group which were chosen by using random sampling technique. Thirty four students were taken as the samples in each class. The experimental group was taught by Applying Think Pair Share Technique, while the control group was taught by Lecture Method. After analyzing the data, it was found that the value of $t_{observed} = 3.59$ with the degree of freedom ($df$) = 66 at the level of significance ($0.05$) = $1.994$. It means that $t_{observed}$ was higher than $t_{table}$ ($3.59 > 1.994$). The result of this study showed that Think Pair Share Technique was significantly affect on students’ achievement in writing procedure text.

Key words: Experimental Research, Think Pair Share, Writing Achievement, Procedure Text.