

**THE DIFFERENCES OF STUDENTS' LEARNING ACHIEVEMENT BY  
POSTER DISPLAYING ON ENVIRONMENTAL TOPIC GRADE X  
SMA OF MEDAN CITY ACADEMIC YEAR OF 2015/2016**

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**ABSTRACT**

The study aims to know the difference of learning achievement by poster displaying in the environmental topic. Type of the research was quasi experiment and was designed with pre-test and post-test. The population is the students in SMA Negeri 3 and 4 Medan academic year 2015/2016. The samples consists of two groups selected purposively for each of school, grade X MIA 10 as poster making inclusion group (n=40 students) and X MIA 7 as poster non-making inclusion group (n=40 students). Learning method in both groups was group discussion. In first group, used poster making inclusion and poster non-making inclusion for the second. Multiple choice test was the instrument for cognitive data collection and questionnaires were used for student performances. Hypothesis was tested by *t*-test. The students learning achievement result showed that, the average score in poster making inclusion group (74.92) was higher than poster non-making inclusion group (67.13) with percentage difference is 38%.  $t_{count}$  with  $t_{table}$  is  $t_{count} > t_{table}$  ( 4.175 > 1.994) (with  $\alpha=0.05$  and  $df=78$ ). Based on the data from research result used  $t_{count} > t_{table}$  then  $H_0$  was rejected and  $H_a$  was accepted. It means there is difference of learning achievement between student who were treated with poster making inclusion and those treated with non-poster making inclusion model on Environmental topic of Grade X in SMA at Medan Academic Year 2015/2016.

**Keywords:** *Poster Making Inclusion Group, Poster Non-Making Inclusion Group Learning Achievement, Student Performance.*