

**THE COMPARISON OF STUDENTS' ACHIEVEMENT THROUGH
ASSURE LEARNING MODEL BY USING FLASH BETWEEN
INDIVIDUALLY AND IN GROUP ON PYTHAGOREAN
THEOREM TOPIC AT GRADE VIII SMP NEGERI 1
TEBING TINGGI ACADEMIC YEAR 2012/2013**

Abstract

Research was carried out at SMP Negeri 1 Tebing Tinggi which the aims to determine whether the students' achievement through ASSURE learning model using flash in group is higher than student's achievement through ASSURE learning model using flash individually in grade VIII SMP Negeri 1 Tebing Tinggi on the Pythagorean Theorem topic. The type of this research was experimental research by provided treatment to both of research sample. The population in this sample was grade VIII SMP Negeri 1 Tebing Tinggi that consists of 9 classes with an average of 28 students. The samples were taken two classes that are determined by random sampling techniques, namely the experiment class I consist of 27 students and experiment class II consist of 27 students.

Instrument that used in this study was in the form of essay test as much as 5 items that have tested valid and reliable. Before testing the hypothesis, the data was tested for normality and homogeneity test. normality test used Chi-Square formula and homogeneity test used the F-test. From the results of test, it concluded that both samples were normally distributed and homogenous. The hypothesis in this study were tested using t-test.

The results of research show that students' achievement in learning by using ASSURE learning model using flash individually had average of pre-test 64.4, the average of post-test 81.1 and 0.50 for the normalized gain . For ASSURE learning model using flash in group the average of pre-test 48.1, the average of post-test 80.5 and 0.69 for the normalized gain.

Statistically by use t-test concluded that students' achievement through ASSURE learning model using flash in group is higher than ASSURE learning model using flash individually on Pythagorean Theorem topic at Grade VIII SMP Negeri 1 Tebing Tinggi. It can be seen t value obtained from calculation of the t-test statistic through two-way testing at 2.66 where t table for $N = 27$ and $\alpha = 2.5\%$ was 2.06.

Key words: ASSURE Model, Flash, student's achievement, Individually, group