THE EFFECT OF GUIDED INQUIRY LEARNING MODEL ON STUDENT'S LEARNING OUTCOMES'S ON HARMONIC VIBRATION TOPIC IN CLASS X SMA NEGERI 1 TEBING TINGGI A.Y 2017/2018

Hendri Silalahi (4143322011)

ABSTRACT

The purpose of this research was to know the student's learning outcomes using Guided Inquiry Learning Model on Harmonic Vibraton Topic in class X SMA Negeri 1 Tebing Tinggi. The type of this research is quasi-experimental which using pre-test and post-test. The population is all of student of class X SMA Negeri 1 Tebing Tinggi Academic Year 2017/2018, consist of 7 classes. The sample of research was taken 2 classes determined by cluster random sampling technique. The sample of this research were students of class X-6 that consists of 35 students as experiment class and X-5 that consist of 35 students as control class. The objects of this research is student's learning outcomes

Based on the data that got the average score of pretest in experimental class is 24,71 and the average score of pretest in control class is 21,92, in normality test of experimental class of pretest that get $L_{count}<L_{table}$ (0,1225<0,1498), whereas in control class $L_{count}<L_{table}$ (0,1206< 0,1498) , so that both of classes are normal distributed. In homogeny test of pretest of both samples there is $F_{count}<F_{table}$ (1,321< 1,705) then both of data pretest are homogeneous samples. After giving treatment in both samples, experimental class is taught by guided inquiry learning model and control class is taught by conventional learning that get the result of average score in experimental class is 76,28 and average score in control class is 65,71.

The result of one party t-test of post-test that get $t_{count}>t_{table}$ that is 5,267>1,66, thus there is the significant effect of guided inquiry learning model on student's learning outcomes.

Keywords : Guided Inquiry Learning Model, Student's Learning Outcomes.