THE EFFECT OF MULTIMEDIA BASED INQUIRY TRAINING LEARNING MODEL TO STUDENT'S ACHIEVEMENT ON ELASTICITY IN CLASS X SMA N 1 PANYABUNGAN A.Y 2016/2017

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ABSTRACT

The type of research is experimental research. The population is all of student of class X Sma N 1 Panyabungan Academic Year 2016/2017, consist of 4 classes. One class as experiment class and another class as a control class. Experiment class using Inquiry Training Learning Model and control using Conventional Model. The objective of research is (1).To know the Effect Multimedia Based Inquiry Training Learning Model on students achievement in the subject matter elasticity in Class X SMAN 1 Panyabungan year 2016/2017. (2) To know the student learning activity using inquiry training learning model on the student achievement in the subject matter elasticity in Class X SMAN 1 Panyabungan year 2016/2017.

The instrument in this research is multiple choice and observation sheet, multiple choice with 5 obtains and had 10 questions was valid and observation sheet to measure the student activity of students. The test like multiple choice is given in pre-test and post-test, and the observation sheet use in every meeting in twice of classes. To test the hypothesis using test t, but previously must tested the normally and homogeneity of the data.The result of research get the level of student's activity in experiment class is good criteria with the developed are the first meeting 7.79 , the second meeting is 8.84, and in control class is less category with the developed are the first meeting 6.98 and second meeting is 7.53.

Based on this research get the average of pre-test in experiment class is 2.45 and in control class 2.41. after had the treatment in every class, so the average of post-test in class with treatment Multimedia Based Inquiry Training Learning Model is 3.2083 while in class with conventional learning treatment get 3.1389. in hypothesis test get $t_{calculate} > t_{table}$ in significant value $\alpha = 0.05$ and dk = 36, it means of Ha is accept is have the influence of Multimedia Based Inquiry Training Learning Model on Student's Achievement on Elasticity in Class X SMA N 1 Panyabungan Academic Year 2016/2017.

Key Word : Effect of Multimedia Based Inquiry Training Learning Model, Student Achievement, activity.