

**THE INFLUENCE OF MULTIMEDIA BASED INQUIRY TRAINING LEARNING  
MODEL ON STUDENT'S ACHIEVEMENT ON MOMENTUM  
AND IMPULSE IN CLASS XI, SMA N 1 PERBAUNGAN, YEAR 2013/2014  
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ABSTRACT**

Physics is part science subjects are basically interesting to study because the study of the phenomena that occur in the universe. Where necessary for the study of effective and efficient learning to understand it. But in fact many students who do not like physics with regard to study physics was saturating and boring

The objective of research is (1). To know the students achievement in the subject matter Momentum and Impulse using Multimedia Based inquiry Training Learning Model and Conventional Learning in Class XI SMA N 1 Perbaungan, year 2013/2014. (2) To know the cognitive aspect that will be improved by implementation Multimedia Based Inquiry Training Learning Model in teaching momentum & impulse topic. (3) To know the influence Multimedia Based Inquiry Training Learning Model on student's achievement on Momentum and Impulse in Class XI, SMA N 1 Perbaungan, year 2013/2014”.

The type of research is experimental research. The population is all students of class XI SMA N 1 Perbaungan Academic Year 2013/2014, consist of 6 classes. Two classes selected by cluster random sampling. One class as experiment class and another class as control class. Experiment class using Inquiry Training Learning Model and control class using Conventional Model. The instrument in this research is multiple choices and observation sheet, multiple choices with 5 obtains and had 20 questions was valid and observation sheet to measure the activity of students. The test like multiple choices given in pre-test and post-test, and the observation sheet used in every meeting in twice of classes. To test the hypothesis using test t, but previously must tested the normality 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 7.82, the second meeting is 8.93, and in control class is less category with the developed are the first meeting 7.17, the second 8.26. From this research get the average of pre-test in experiment class is 2,722 and in control class is 3,369. After had the treatment in every class, so the average of post-test in class with treatment Multimedia Based Inquiry Training Learning Model is 4,889 while in class with Conventional Learning treatment get 3,869. In hypothesis test get  $t_{\text{calculate}} > t_{\text{table}}$  is  $2.073 > 2,070$  in significant value  $\alpha = 0,05$  and  $dk = 60$ . It mean of  $H_a$  accept is have the influence of Multimedia Based Inquiry Training Learning Model on Student's Achievement on Momentum and Impulse In Class XI, SMA N 1 Perbaungan, Year 2013/2014.

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