THE DIFFERENCE OF STUDENT'S LEARNING OUTCOMES USING INQUIRY BASED LEARNING AND DIRECT INSTRUCTION MODEL IN DYNAMIC ELECTRICITY AT GRADE X SMA NEGERI 11 MEDAN A.Y 2015/2016

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ABSTRACT

This research had been doing at grade X SMA Negeri 11 Medan academic year 2015/2016. The purpose of this research was to find out the average mark of student learning outcomes of using Inquiry Based Learning Model and Direct Instruction Model in dynamic electricity and to find out the significan difference of student's learning outcomes using inquiry based learning model and direct instructional model in dynamic electricity. The research method was quasi experimental. The population were all students at X class consist of 10 classes. The sample of this research conduct two classes and consist of 40 students, here class X3 as experiment class and class X5 as control class and define by random cluster sampling. The results that were obtained: post-test mean value of the experimental class was 63.92 and 53.30 was the mean value for control class. Standard deviation for two classes were 8.72 and 12.43. Normality test result from the both samples was normal and homogenous, the testing criterion was accept H_0 if $-2.024 < t' < 2.024$ and refuse H_o in other condition. Here, H_0 was refused because t' is 3.130 and H_a was accepted. So it can be concluded that there was significant difference of student's learning outcomes using inquiry based learning model and direct instructional model in dynamic electricity.

Key word : Inquiry Based Learning, Learning Model.