

**THE EFFECT OF PROJECT BASED LEARNING MODEL ON
STUDENT'S LEARNING ACHIEVEMENT OF FLUID
TOPIC IN CLASS XI SMA N 1 MATAULI PANDAN
ACADEMIC YEAR 2013/2014**

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ABSTRACT

The objectives of this research are: (1) To know if there is the influence of Project based Learning model to students learning achievement in Fluid topic in SMA N 1 Matauli Pandan Class XI Academic Year 2013/2014. (2) To determine the differences of student's achievement in the subject matter Fluid using Project based Learning Model and Conventional Learning in Class XI SMA N 1 Matauli Pandan, Academic Year 2013/2014. The type of research was quasi experiment with the population all of student in class XI of Science Program even semester in SMA N 1 Matauli Pandan which consists of 7 classes. Sample of this research was obtained by technique cluster random sampling. The sample is XI IPA 3 as the experiment class and XI IPA 4 as the control class. Experiment class taught by Project Based Learning model and control class taught by conventional learning. The research instrument has 10 questions in multiple choice forms with 5 options, the instrument tested validated. In this research obtained the mean of pre-test in experiment class is 28 and in control class is 26.4. After that do the treatment in experiment class taught by Project Based Learning model and in control class taught by conventional learning, and then done the post-test. The mean of post-test in experiment class is 78.8 and in control class was 69.6. In hypothesis testing $t_{count} > t_{table}$ that was $3.07 > 1.67$ at significant level $\alpha = 0.05$ and $dk = 48$. So, can be concluded that the student's learning outcomes in experiment class better than in control class. H_a was accepted or has effect of Project Based Learning Model on Student's Achievement of Fluid Topic in Class XI SMA N 1 Matauli Pandan Academic Year 2013/2014.

Key word: Project Based Learning, Student's Achievement