

**THE EFFECT OF PROBLEM BASED LEARNING MODEL ON STUDENT'S
LEARNING OUTCOMES IN STATIC FLUID TOPIC OF CLASS X SMA
NEGERI 3 MEDAN ACADEMIC YEAR 2013/2014**

Evi Kamelia Simanjuntak (Reg. Number 4103322003)

ABSTRACT

The aim of this research was to know the the effect of the problem based learning model on student's learning outcomes in static fluids topic. The research method was quasi experiment. The population were all of students in class X MIA semester II SMA N. 3 Medan, that consist of 14 classes. The sample of this research was taken by cluster random sampling technique, class X MIA-4 was experimental class used problem based learning model that consist of 38 students, and class X MIA-5 as control class used conventional learning, consist 40 students. Instruments that used in this research were multiple choose test instrument and psychomotor and affective observation sheet. The data was got from the test was analyzed by statistical analysis t-test. Based on observation result by using affective and psychomotor observation sheet of students shown that there was significant increasing on experimental class. So, can be conclude that the student's learning outcomes using problem based learning model greater than conventional learning on static fluid topic of class X SMA N.3 Medan academic year 2013/2014.