

**THE COMPARISON OF STUDENT LEARNING OUTCOMES OF FLUID  
USING CASE STUDY AND CONVENTIONAL METHOD OF CLASS XI  
SMA NEGERI 1 TEBING TINGGI ACADEMIC YEAR 2012/2013**

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**ABSTRACTS**

The research is an experiment research and had already done in SMA Negeri 1 Tebing Tinggi that have some objective research are: to determine student learning outcomes using case study and conventional method of fluid of Class XI SMA Negeri 1 Tebing Tinggi Academic Year 2012/2013 and to determine differences of student learning outcomes using case study and conventional method of fluid of Class XI SMA Negeri 1 Tebing Tinggi Academic Year 2012/2013.

The population of these research are all of the students of class XI SMA Negeri 1 Tebing Tinggi Academic Year 2012/2013 that consists of six classes. While as a sample of these research are two classes, they are XI-A5 as an experimental class using case study method in totaling 36 students and XI-A4 as a control class using conventional method in totaling 34 students. The instrument that used in these research is multiple choices as twenty questions.

Based on a result of these research was concluded that there was students learning outcomes of fluid using case study and conventional method of class XI SMA Negeri 1 Tebing Tinggi Academic Year 2012/2013. Where a result of pre-test and post-test of experimental class are 4.47 and 7.54. There was an increasing student learning outcomes as 3.07. While from a result of pre-test and post-test of control class are 3.81 and 6.19. There was an increasing student learning outcomes as 2.38. Based on the result of research and hypotheses testing could be concluded that there was differences of student learning outcomes using case study and conventional method of fluid of Class XI SMA Negeri 1 Tebing Tinggi Academic Year 2012/2013 where  $t_{\text{count}} = 4.35$  and  $t_{\text{table}} = 1.9973$  were gotten -  $1.9973 < t_{\text{count}} > 1.9973$  so that  $H_0$  was rejected and  $H_a$  was accepted.

**Keywords:** *Quasi-experimental, Case study method, Random sampling, Students Learning Outcomes*