

**THE EFFECT OF PROBLEM BASED LEARNING (PBL) MODEL  
TOWARD STUDENT LEARNING OUTCOME IN DYNAMIC  
ELECTRICITY TOPIC AT CLASS X IN SMA NEGERI 1  
PERBAUNGAN ACADEMIC YEAR 2014/2015**

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**ABSTRACT**

The objective of this research to know the significant difference of student learning outcomes using Problem Based Learning Model and Conventional Learning Model in dynamic electricity topic at class X SMA Negeri 1 Perbaungan Academic Year 2014/ 2015. The type of research was Quasi-experiment with the population is all of students at class X in even semester e which consists of 6 classes. Sample of this research was obtained by technique cluster random sampling. The sample is X-2 as the experimental class taught by Problem Based Learning Model and X-4 as the control class taught by Conventional Learning Model. The research instrument has 7 questions in essay type, the instruments tested validated. The result which obtained the average value of post-test in experiment class was 80.63 and the average value of post-test in control class was 75.75. it can be conclude that the average value in experiment class was higher than control class. In hypothesis testing t calculate was bigger than t table at significant level  $\alpha = 0.05$ . Here,  $H_a$  accepted and  $H_0$ . It showed that there was significant difference towards student learning outcomes using Problem Based Learning Model.