

PERBEDAAN HASIL BELAJAR SISWA MENGGUNAKAN MODEL *PROJECT BASED LEARNING* DENGAN *PROBLEM BASED LEARNING* PADA MATERI PENCEMARAN DAN PELESTARIAN LINGKUNGAN HIDUP DI KELAS X SMA SWASTA SETIA BUDI ABADI PERBAUNGAN T.P. 2014/2015

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa menggunakan model *project based learning* dengan *problem based learning* pada materi pencemaran dan pelestarian lingkungan hidup di kelas X SMA Swasta Setia Budi Abadi Perbaungan T.P. 2014/2015. Populasi yang digunakan dalam penelitian ini adalah seluruh siswa kelas X SMA Swasta Setia Budi Abadi Perbaungan Tahun Pembelajaran 2014/2015, yaitu sebanyak 4 kelas dengan jumlah siswa 134 orang siswa. Sampel diambil secara acak (*rondom sampling*) sebanyak 2 kelas yaitu kelas X_1 sebagai kelas yang di ajar menggunakan model *project based learning* dan X_2 sebagai kelas yang diajar menggunakan model *problem based learning*, masing-masing berjumlah 33siswa. Sehingga jumlah sampel dalam penelitian ini sebanyak 66 orang siswa. Jenis penelitian yang dilakukan ini adalah eksperimen. Sebelum diberi perlakuan, rata-rata nilai pretes pada kelas eksperimen I adalah 33,18 dan setelah diberi perlakuan menjadi 77,57, sedangkan hasil pretes kelas ekperiment II sebesar 30,60 dan setelah diberi perlakuan menjadi 73,93. Meskipun hasil belajar berbeda, namun hasil uji-t pada taraf $\alpha = 0,05$ menunjukkan tidak ada perbedaan yang signifikan dimana t_{hitung} terletak antara t_{tabel} atau masih didalam daerah penerimaan H_0 ($- 1,997 < 1,56 < 1,997$) yang berarti tidak ada perbedaan signifikan antara hasil belajar siswa menggunakan model *project based learning* dengan model *problem based learning* pada materi pencemaran dan pelestarian lingkungan hidup di kelas X SMA Swasta Setia Budi Abadi Perbaungan Tahun Pembelajaran 2014/2015.

Kata kunci : Hasil Belajar, Project Based Learning, Problem Based Learning

**THE DIFFERENTIATION OF STUDENT'S LEARNING ACHIEVEMENT
BY USING PROJECT BASED LEARNING MODEL AND PROBLEM
BASED LEARNING MODEL ON TOPIC OF POLLUTION AND
CONSERVATION OF THE ENVIRONMENT IN CLASS X
SMA SWASTA SETIA BUDI ABADI PERBAUNGAN
LEARNING YEAR 2014/2015**

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ABSTRACT

The research aims to determine the differentiation of student's learning outcomes by project based learning model and problem based learning model on topic of pollution and conservation of the environment in class X SMA Swasta Setia Budi Abadi Perbaungan Learning Year 2014/2015. The population used in this research were all students of class X SMA Setia Budi Abadi Perbaungan Learning Year 2014/2015, as many as three classes with the number of students 134 students. Samples taken at random (*random sampling*) of two classes, namely class X¹ as teaching classes in Project Based Learning model and X² using Problem Based Learning model, and each class numbered 33 student, so the number of samples in this study were 66 student. Type of research is experimental. Before being given treatment, the average value of pre-test the experiment class I as 33,18 and after being treated become 77,57, while the pre test student experiment class II at 30,60 and after being treated become 73,63. Although learning outcomes, were different the t-test results at $\alpha = 0,05$ the results were significant, where t_{count} lived between at t_{tabel} or still in received H_0 domain ($- 1,997 < 1,56 < 1,997$) which it mean there was significant different from student's learning outcomes who were taught using project based learning model with problem based learning model on topic pollution and conservation of the environment in class X SMA Swasta Setia Budi Abadi Perbaungan Learning Year 2014/2015.

Keywords: Learning Outcomes, Project Based Learning, Problem Based Learning