**PERBEDAAN HASIL BELAJAR SISWA YANG DIAJARMENGGUNAKAN MODEL PEMBELAJARAN *PROBLEM BASED LEARNING* DAN**

***PROJECT BASED LEARNING* PADA MATERI PENCEMARAN DAN KERUSAKAN LINGKUNGAN DI KELAS VII SMP NEGERI 1**

**SEI BINGAI TAHUN PEMBELAJARAN 2015/2016**

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui perbedaan hasil belajar siswa menggunakan Model Pembelajaran *Problem Based Learning* dengan Model Pembelajaran *Project Based Learning* pada materi Pencemaran dan Kerusakan Lingkungan di kelas VII SMP Negeri 1 Sei Bingai T.P 2015/2016 yang terdiri dari 7 kelas dengan jumlah siswa 224 orang. Sedangkan sampel diambil berdasarkan random sampling sebanyak dua kelas yaitu 64 siswa, yaitu 32 siswa kelas VII-1 (menggunakan Model Pembelajaran *Problem Based Learning*) dan 32 orang kelas VII-2 (menggunakan Model Pembelajaran *Project Based Learning*). Jenis penelitian yang dilakukan adalah eksperimental. Pada kelas eksperimen I (menggunakan Model Pembelajaran Problem Based Learning ) didapat rata-rata hasil belajar siswa sebesar 82,71 dengan standar deviasi 4,75 sedangkan pada kelas eksperimen II (menggunakan Model Pembelajaran *Project Based Learning*) memiliki rata-rata sebesar 90,63 dengan standar deviasi 5,32. Adanya perbedaan hasil belajar tersebut dibuktikan melalui pengujian hipotesis dengan menggunakan uji-t pada taraf α = 0,05, dimana thitung (14,14) > ttabel (1,6697). Hal tersebut menunjukkan bahwa H0 ditolak dan Ha diterima. Sehingga dapat disimpulkan bahwa ada perbedaan hasil belajar dimana kelas eksperimen II (menggunakan Model Pembelajaran *Project Based Learning*) lebih tinggi daripada kelas eksperimen I (menggunakan Model Pembelajaran *Problem Based Learning*) pada materi Pencemaran dan Kerusakan Lingkungan di Kelas VII SMP Negeri 1 Sei Bingai Tahun Pembelajaran 2015/2016.

Kata Kunci: Hasil belajar siswa, *Problem Based Learning, Project Based Learning*

**DIFFERENCES OF STUDENTS LEARNING OUTCOMES TAUGHT USING *PROBLEM BASED LEARNING* MODEL WITH *PROJECT BASED LEARNING* IN POLLUTION AND ENVIRONMENTAL DAMAGE MATERIALS FOR GRADE VII AT SMP NEGERI 1**

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**ABSTRACT**

This study aims to determine the differences of student learning outcomes using *Problem Based Learning* Model with Model *Project Based Learning* on the material Pollution and Environmental Degradation in class VII SMP Negeri 1 Sei Bingai T.P 2015/2016 consists of 7 classes with 224 students enrolled. While samples taken by random sampling as much as two classes of 64 students; 32 students of class VII-1 (using *Problem Based Learning* Model Learning) and 32 classes VII-2 (using *Project Based Learning* Model). Type of research is experimental. In the experimental class I (using *Problem Based Learning* Model) obtained an average student learning outcomes at 82.71 with a standard deviation of 4.75, while the experimental class II (using the Model Learning *Project Based Learning*) has an average of 90.63 with a standard deviation of 5.32. The big difference in learning outcomes is proved by testing the hypothesis by using t-test at the level of α = 0.05, which were encountered (14.14)> t table (1.6697). It shows that Ho rejected and Ha accepted. It can be concluded that there are differences in learning outcomes in which the experimental class II (using the Model Learning *Project Based Learning*) is higher than the experimental class I (using the Model Learning *Problem Based Learning)* on ​​the material Pollution and Environmental Degradation in Class VII SMP Negeri 1 Sei Bingai Year Learning 2015/2016.

Keywords: Learning outcomes, *Problem Based Learning, Project Based Learning,*