

PENERAPAN MODEL PEMBELAJARAN *PROJECT BASED LEARNING* (PjBL) PADA MATERI SISTEM KOLOID TERHADAP PENINGKATAN NILAI KARAKTER DAN PRESTASI BELAJAR PESERTA DIDIK

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh penerapan model pembelajaran *Project Based Learning* (PjBL) pada materi sistem koloid terhadap perubahan nilai karakter dan prestasi belajar kimia peserta didik. Sampel penelitian terdiri dari; kelas eksperimen sejumlah 36 orang peserta didik yang diberi penerapan model pembelajaran *Project Based Learning* (PjBL), kelas kontrol sebagai kelas pembandingan sejumlah 36 orang yang tidak diberi penerapan PjBL. Instrumen penelitian yang digunakan adalah angket nilai karakter dan soal prestasi belajar kimia untuk materi sistem koloid. Desain pengamatan dilakukan secara berulang (*pretest-posttest*). Hasil penelitian menunjukkan bahwa tidak terdapat perbedaan nilai karakter yang signifikan antara peserta didik yang mengikuti pembelajaran dengan model PjBL dan tanpa model PjBL, terdapat perbedaan prestasi belajar kimia yang signifikan antara peserta didik yang mengikuti pembelajaran dengan model PjBL dan tanpa model PjBL, terdapat perbedaan nilai karakter dan prestasi belajar peserta didik yaitu sesudah pembelajaran lebih tinggi dibanding sebelum pembelajaran dengan model PjBL.

Kata Kunci: *Project Based Learning* (PjBL), nilai karakter, prestasi belajar kimia.

**THE APPLICATION OF PROJECT BASED LEARNING MODEL IN
COLLOID SUBJECT TO DEVELOP STUDENT CHARACTER
VALUES AND ACADEMIC PERFORMANCES**

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ABSTRACT

The objective of this research is to observe the development of student character values and Chemistry academic performances that might vary after learning the Colloid System with Project Based Learning (PjBL) model. The sample of this research are; experiment class that consists of 36 students in which Project Based Learning model is applied, control class consists of 36 students used as comparison in which Project Based Learning model is not applied. The instruments used in this research are questionnaire form and multiple choice test on Colloid System. The observations held twice repeatedly (pretest-posttest). The results obtained from this research are; significant difference is not occurred in character values between students with PjBL model and without PjBL model, significant differences occurred in Chemistry academic performances between students with PjBL model and without PjBL model, differences occur in student character values and Chemistry academic performances before and after learning with PjBL model in which after learning is higher than before learning with PjBL model.

Keywords: Project Based Learning (PjBL), character value, Chemistry academic performance.