

ABSTRAK

Joy prasetia Purba, NIM 5181122014. “Penerapan Model Pembelajaran *Project Based Learning* (Pjbl) Untuk Meningkatkan Hasil Belajar Pengelasan Siswa Kelas XI Teknik Kendaraan Ringan SMKN 4 Medan”. *Skripsi*. Jurusan Teknik Mesin Fakultas Teknik Universitas Negeri Medan. 2023.

Penelitian ini bertujuan Untuk mengetahui peningkatan hasil belajar Pengelasan siswa pada kelas XI TKR SMK Negeri 4 Medan dengan menerapkan model pembelajaran *Project Based Learning* (PjBL)

Metode dalam penelitian ini adalah penelitian tindakan kelas yang dilakukan dengan Prasiklus, Siklus I, dan siklus II, dimana setiap siklus dilakukan dengan tahap Perencanaan, Pelaksanaan, Pengamatan, dan Refleksi. Populasi dalam penelitian ini yaitu siswa di SMK Negeri 4 Medan dengan subjek penelitian adalah siswa kelas XI Jurusan Teknik Kendaraan Ringan yang berjumlah 30 siswa. Pengumpulan data dalam Penelitian ini adalah dengan cara observasi, dokumentasi, dan tes hasil belajar.

Hasil Penelitian menunjukkan bahwa hasil belajar siswa pada Pengelasan menggunakan model pembelajaran *Project Based Learning* pada prasiklus diperoleh rata-rata hasil belajar yaitu 53,703. Hasil belajar siswa pada Pengelasan menggunakan model pembelajaran *Project Based Learning* pada siklus I diperoleh rata-rata hasil belajar yaitu 68,33 dan hasil belajar siswa pada Pengelasan menggunakan model pembelajaran *Project Based Learning* pada siklus II diperoleh rata-rata hasil belajar yaitu 84,63. Kesimpulan tersebut Berdasarkan hasil penerapan model pembelajaran *Project Based Learning* (PjBL) terbukti dapat meningkatkan hasil belajar pada Pengelasan siswa kelas XI TKR SMK Negeri 4 Medan.

Kata Kunci: Model Pembelajaran, Project Based Learning (PjBL), Hasil Belajar Pengelasan

ABSTRACT

Joy Prasetia Purba, NIM 5181122014. "Application of the Project Based Learning (Pjbl) Learning Model to Improve Welding Learning Outcomes for Class XI Light Vehicle Engineering Students at SMKN 4 Medan". Thesis. Department of Mechanical Engineering, Faculty of Engineering, Medan State University. 2023.

This research aims to determine the improvement in welding learning outcomes of students in class XI TKR SMK Negeri 4 Medan by applying the Project Based Learning (PjBL) learning model.

The method in this research is classroom action research carried out in Precycle, Cycle I and Cycle II, where each cycle is carried out with the stages of Planning, Implementation, Observation and Reflection. The population in this research were students at SMK Negeri 4 Medan with the research subjects being class XI students majoring in Light Vehicle Engineering, totaling 30 students. Data collection in this research was by means of observation, documentation, and learning results tests.

The research results show that student learning outcomes in Welding using the Project Based Learning learning model in the pre-cycle obtained an average learning outcome of 53.703. Student learning outcomes in Welding using the Project Based Learning learning model in cycle I obtained an average learning outcome of 68.33 and student learning outcomes in Welding using the Project Based Learning learning model in cycle II obtained an average learning outcome of 84.63. This conclusion is based on the results of implementing the Project Based Learning (PjBL) learning model which is proven to be able to improve learning outcomes in Class XI TKR students at SMK Negeri 4 Medan.

Keywords: Learning Model, Project Based Learning (PjBL), Welding Learning Outcomes.