

ABSTRAK

HOTMAULI LADERSIN NAINGGOLAN. NIM 5212411014. Penerapan Model Pembelajaran *Project Based Learning* Pada Mata Pelajaran Desain Pemodelan Dan Informasi Bangunan Dalam Meningkatkan Hasil Belajar Siswa Kelas XI DPIB SMK N 1 Lubuk Pakam. Skripsi. Fakultas Teknik – Universitas Negeri Medan. 2026.

Penelitian ini bertujuan untuk meningkatkan hasil belajar melalui penerapan Model Pembelajaran *Project Based Learning* (PjBL) di kelas XI SMKN 1 Lubuk Pakam Tahun Ajaran 2025/2026. Penelitian ini menggunakan pendekatan kuantitatif dengan desain Penelitian Tindakan Kelas (PTK) yang dilaksanakan dalam 2 siklus yang terdiri dari tahap perencanaan, pelaksanaan, observasi dan refleksi. Subjek penelitian adalah 30 siswa kelas XI DPIB. Data dikumpulkan melalui instrumen tes dan observasi. Hasil penelitian menunjukkan bahwa penerapan model pembelajaran *Project Based Learning* (PjBL) dapat meningkatkan hasil belajar siswa. Rata-rata nilai sebelum dilakukan tindakan adalah 63,43 sedangkan setelah tindakan siklus I adalah 79,87 dan siklus II adalah 83,87 dengan persentase 83.87% pada siklus I dan 87% pada siklus II terjadi peningkatan sebanyak 5,01%. Berdasarkan hasil penelitian ini, dapat disimpulkan bahwa penerapan model pembelajaran *Project Based Learning* (PjBL) efektif dalam meningkatkan hasil belajar siswa. Diharapkan hasil penelitian ini dapat menjadi referensi bagi guru dalam meningkatkan kualitas pembelajaran di kelas.

Kata Kunci: Model Pembelajaran *Project Based Learning* (PjBL), Peningkatan Hasil Belajar, Penelitian Tindakan Kelas (PTK)



ABSTRACT

HOTMAULI LADERSIN NAINGGOLAN. NIM 5212411014. Application of Project Based Learning Model in Building Modeling and Information Design Subject in Improving Learning Outcomes of Class XI DPIB Students of SMK N 1 Lubuk Pakam. Thesis. Faculty of Engineering – State University of Medan. 2026.

This study aims to improve learning outcomes through the implementation of the Project Based Learning (PjBL) Learning Model in class XI of SMKN 1 Lubuk Pakam in the 2025/2026 Academic Year. This study uses a quantitative approach with a Classroom Action Research (CAR) design which is implemented in 2 cycles consisting of planning, implementation, observation and reflection stages. The research subjects were 30 students of class XI DPIB. Data were collected through test and observation instruments. The results of the study indicate that the implementation of the Project Based Learning (PjBL) learning model can improve student learning outcomes. The average value before the action was 63.43 while after the action in cycle I was 79.87 and cycle II was 83.87 with a percentage of 83.87% in cycle I and 87% in cycle II, an increase of 5.01%. Based on the results of this study, it can be concluded that the implementation of the Project Based Learning (PjBL) learning model is effective in improving student learning outcomes. It is hoped that the results of this study can be a reference for teachers in improving the quality of learning in the classroom.

Keywords: *Project Based Learning (PjBL), Method; Classroom Action Research, Improving Learning Outcomes.*

