

## ABSTRAK

**DIRAJA UTAMA PASARIBU, NIM 5163322004, Penerapan Model Pembelajaran Problem Based Learning Pada Mata Pelajaran Pemeliharaan Mesin Kendaraan Ringan Untuk Meningkatkan Hasil Belajar Siswa Kelas XI Teknik Kendaraan Ringan Smk Swasta Mandiri Percut Sei Tuan Tahun Ajaran 2020/2021 Fakultas Teknik Universitas Negeri Medan.**

Penelitian ini bertujuan untuk meningkatkan hasil belajar siswa dengan penerapan model pembelajaran problem based learning pada proses pembelajaran di kelas XI TKR IV SMK Swasta Mandiri Percut Sei Tuan mata pelajaran pemeliharaan mesin kendaraan ringan.

Penelitian ini termasuk jenis penelitian tindakan kelas (*Classroom Action Research*). Penelitian dilaksanakan pada semester genap tahun ajaran 2020/2021. Subjek penelitian ini siswa kelas XI TKR IV SMK Swasta Mandiri Percut Sei Tuan yang berjumlah 45 siswa dan seluruhnya siswa laki-laki. Penelitian ini dilakukan dalam 2 siklus yang terdiri dari empat tahapan yaitu perencanaan, pelaksanaan, observasi dan refleksi. Alat pengumpulan data pada penelitian ini adalah post test pada akhir siklus dan observasi.

Hasil penelitian menunjukkan bahwa ada peningkatan hasil belajar siswa pada mata pelajaran perawatan mesin kendaraan ringan materi pokok sistem pelumasan. Hasil belajar siswa pada aspek kognitif siswa siklus I terdapat sebanyak 26 orang siswa dengan persentase 57,77% mendapat nilai tuntas dan sebanyak 19 orang siswa dengan persentase 67,77% dinyatakan tidak tuntas, nilai rata-rata kelas yang diperoleh sebesar 67,44%. Karena hasil Siklus I masih rendah maka dilakukan tindakan lanjutan pada siklus II. Pada siklus II terjadi peningkatan hasil belajar siswa dengan ketuntasan klasikal sebanyak 39 orang siswa dengan persentase 86,66% yang mendapat nilai tuntas, dan sebanyak 6 orang siswa 13,33% dinyatakan tidak tuntas nilai rata-rata yang diperoleh sebesar 77,55%. Selain itu keaktifan siswa dalam mengikuti pelajaran juga meningkat.

Dengan demikian dapat disimpulkan bahwa dengan penerapan model pembelajaran problem based learning dalam proses pembelajaran dapat meningkatkan hasil belajar siswa pada mata pelajaran perawatan mesin kendaraan ringan di kelas XI SMK Swasta Mandiri Percut Sei Tuan Tahun Ajaran 2020/2021.

**Kata kunci:** Hasil Belajar, Model Pembelajaran Problem Based Learning

## ABSTRACT

**DIRAJA UTAMA PASARIBU, NIM 5163322004. *Implementation of Problem Based Learning Models in Light Vehicle Engine Maintenance Subjects to Improve Learning Outcomes of Class XI Students in Light Vehicle Engineering at Percut Sei Tuan Private Private Vocational High School for the Academic Year 2020/2021 Faculty Of Engineering University State Of Medan.***

This study intends to improve student learning outcomes in the field of light vehicle engine maintenance by introducing the problem-based learning paradigm to the learning process in class XI TKR IV SMK Swasta Mandiri Percut Sei Tuan.

This study is an example of classroom action research (Classroom Action Research). The study took place during the even semester of the school year 2020/2021. The students in this study were from Percut Sei Tuan Private Vocational School's class XI TKR IV, a total of 45 students, all of whom were male. This study was divided into two cycles, each with four stages: planning, implementation, observation, and reflection. The post-test at the conclusion of the cycle and observation were used to collect data in this study.

The findings revealed that student learning outcomes in the subject of light vehicle engine maintenance, namely the lubrication system, had improved. In the first cycle, 26 students received a perfect score (57.77%) and 19 students had an incomplete score (67.77%), with an average grade of 67.44%. Cycle II was implemented since the results of Cycle I were still inadequate. With classical completeness, there was an increase in student learning outcomes in the second cycle, with as many as 39 students receiving a complete score (86.66 percent) and as many as 6 students declaring themselves incomplete (13.33 percent). The average value obtained was 77.55%. In addition, pupils' willingness to participate in lessons became more active.

As a result, it can be stated that including the problem-based learning model into the learning process can help students learn more about light vehicle engine repair in class XI of SMK Swata Mandiri Percut Sei Tuan for the 2020/2021 academic year.

**Keywords :** *Problem-Based Learning Model, Learning Outcomes*