

## ABSTRAK

**Mukarram Pahelassyah, NIM : 5193322012.** “Penerapan Model Pembelajaran *Problem Based Learning Seven Jump* Pada Mata Pelajaran Pemeliharaan Mesin Kendaraan Ringan Untuk Meningkatkan Hasil Belajar Siswa Kelas XI Di SMK Negeri Medan. **Skripsi.** Fakultas Teknik Universitas Negeri Medan.2024.

Tujuan penelitian ini ialah untuk melihat bagaimana perubahan hasil belajar siswa setelah penggunaan Metode *Seven Jump* dengan pendekatan model pembelajaran *Problem Based Learning* yang dimana Metode ini sudah di terapkan di Fakultas Kedokteran Universitas Andalas dan juga berhasil diterapkan di Sekolah Menengah Kejuruan Negeri 4 Medan, karena bidang Kedokteran dan bidang Otomotif memiliki hubungan yang signifikan.

Penelitian ini merupakan Penelitian Tindakan Kelas (PTK) yang terdiri dari dua siklus, dimana setiap siklusnya terdiri dari empat tahapan yakni perencanaan, pelaksanaan tindakan, pengamatan, dan refleksi. Serta memiliki 7 Sintaks dalam proses pelaksanaan *Problem Based Learning*. Sebanyak 30 siswa kelas XI TKR SMKN 4 Medan tahun ajaran 2023/2024 menjadi subjek penelitian. Dokumentasi, tes hasil belajar, dan lembar observasi digunakan dalam teknik pengumpulan data.

Dari hasil penelitian didapat data bahwa terdapat peningkatan hasil belajar siswa di kompetensi dasar memahami prinsip kerja sistem bahan bakar bensin melalui penerapan model pembelajaran *Problem Based Learning*. Pada siklus 1 sebanyak 20 siswa atau 66,6% siswa memperoleh nilai di atas Kriteria Ketuntasan Minimal, kemudian pada siklus 2 sebanyak 26 siswa atau 86,6% siswa memperoleh nilai diatas Kriteria Ketuntasan Minimal. Terdapat peningkatan sebesar 20% Data ini sekali lagi mengisyaratkan bahwa penerapan model pembelajaran *Problem Based Learning Seven Jump* pada siswa kelas XI TKR pada mata pelajaran Pemeliharaan Mesin Kendaraan Ringan di SMKN 4 Medan dapat meningkatkan hasil belajar

**Kata Kunci:** *Problem Based Learning Seven Jump*, Hasil Belajar, Pemeliharaan Mesin Kendaraan Ringan

## ABSTRACT

Mukarram Pahelassyah, NIM: 5193322012. "Application of the Seven Jump Problem Based Learning Model in the Subject of Light Vehicle Engine Maintenance to Improve the Learning Outcomes of Class XI Students at the Medan State Vocational School. Thesis. Medan State University Faculty of Engineering.2024.

The aim of this research is to see how student learning outcomes change after using the Seven Jump Method with the Problem Based Learning learning model approach, where this method has been implemented at the Faculty of Medicine, Andalas University and has also been successfully implemented at State Vocational School 4 Medan, because of the field of Medicine. and the Automotive sector have a significant relationship.

This research is Classroom Action Research (PTK) which consists of two cycles, where each cycle consists of four stages, namely planning, implementing actions, observing and reflecting. And has 7 syntaxes in the process of implementing Problem Based Learning. A total of 30 class XI TKR students at SMKN 4 Medan for the 2023/2024 academic year were research subjects. Documentation, learning outcomes tests, and observation sheets are used in data collection techniques.

From the research results, data was obtained that there was an increase in student learning outcomes in the basic competency of understanding the working principles of the gasoline fuel system through the application of the Problem Based Learning learning model. In cycle 1, 20 students or 66.6% of students obtained scores above the Minimum Completeness Criteria, then in cycle 2, 26 students or 86.6% of students obtained scores above the Minimum Completeness Criteria. There is an increase of 20%. This data once again suggests that the application of the Problem Based Learning Seven Jump learning model to class XI TKR students in the Light Vehicle Engine Maintenance subject at SMKN 4 Medan can improve learning outcomes.

**Keywords:** Problem Based Learning Seven Jump, Learning Outcomes, Light Vehicle Engine Maintenance