ABSTRAK

Daniel R Sihombing: **5183122020. Penerapan Model Pembelajaran *Problem Based Learning* (PBL) Dengan Strategi *Quiz team* Untuk Meningkatkan Hasil Belajar Pekerjaan Dasar Teknik Otomotif Siswa Kelas X TKRO di SMK Negeri 1 Parbuluan. Skripsi. Fakultas Teknik Unversitas Negeri Medan. 2023.**

Permasalahan dalam penelitian ini adalah pelaksanaan pembelajaran yang masih menggunakan metode konvensional seperti ceramah dan mencatat yang mengakibatkan siswa kurang aktif saat pembelajaran yang kemudian berdampak terhadap rendahnya hasil belajar siswa. Tujuan penelitian ini adalah Untuk mengetahui peningkatan hasil belajar Pekerjaan Dasar Teknik Otomotif siswa kelas X TKRO SMK Negeri 1 Parbuluan dengan menerapkan model pembelajaran *Problem Based Learning (PBL)* dengan strategi *Quiz team.*

Penelitian ini merupakan penelitian tindakan kelas (*classroom action research*). *Problem Based Learning* (PBL) adalah pembelajaran berbasis masalah (PBM) yaitu model pembelajaran yang bercirikan adanya permasalahan nyata sebagai konteks untuk para peserta didik belajar berpikir kritis dan keterampilan memecahkan masalah serta memperoleh pengetahuan. Terdapat 5 (lima) sintaks dalam model pembelajaran *Problem Based Learning* (PBL) yaitu, (1). Mengorientasikan peserta didik pada masalah, (2). Mengorganisasikan peserta didik untuk belajar, (3). Membimbing penyelidikan individual maupun kelompok, (4). Mengembangkan dan mempresentasikan hasil karya, (5). Menganalisa dan mengevaluasi proses pemecahan masalah. Dalam penelitian ini diterapkan tiga siklus, yaitu pra siklus, siklus pertama, dan siklus kedua. Tahapan pada penelitian tindakan kelas terdiri dari tahap perencanaan, tahap tindakan, tahap pengamatan, dan tahap refleksi. Penelitian ini dilaksanakan di SMK Negeri 1 Parbuluan dengan subjek penelitian adalah seluruh siswa kelas X jurusan Teknik Kendaraan Ringan Otomotif SMK Negeri 1 Parbuluan yang berjumlah 27 siswa. Teknik pengumpulan data adalah dengan dokumentasi, observasi, dan tes hasil belajar.

Hasil penelitian menunjukkan bahwa hasil belajar siswa pada mata pelajaran pekerjaan dasar teknik otomotif menggunakan model pembelajaran *Problem Based Learning* pada prasiklus diperoleh rata-rata hasil belajar yaitu 62, 07. Hasil belajar siswa pada mata pelajaran pekerjaan dasar teknik otomotif menggunakan model pembelajaran *Problem Based Learning* pada siklus I diperoleh rata-rata hasil belajar yaitu 67,26 dan hasil belajar siswa pada mata pelajaran pekerjaan dasar teknik otomotif menggunakan model pembelajaran *Problem Based Learning* pada siklus II diperoleh rata-rata hasil belajar yaitu 83,41. Berdasarkan hasil tersebut, penerapan model pembelajaran *Problem Based Learning* (PBL) dengan strategi *Quiz team* terbukti dapat meningkatkan hasil belajar pada pembelajaran pekerjaan teknik dasar otomotif siswa kelas X TKRO SMK di Negeri Parbuluan T.P 2022/2023.

Kata Kunci: Hasil Belajar, Problem Based Learning, Strategi Quiz team

ABSTRACT

Daniel R Sihombing: 5183122020. *Application of the Problem Based Learning (PBL) Learning Model with a Quiz team Strategy to Improve Learning Outcomes of Basic Automotive Engineering Class X TKRO Students at SMK Negeri 1 Parbuluan. Thesis. Faculty of Engineering Medan State University. 2023.*

The problem in this study is the implementation of learning that still uses conventional methods such as lectures and note-taking which results in students being less active during learning which then has an impact on low student learning outcomes. The purpose of this study was to determine the increase in learning outcomes for Basic Automotive Engineering students of class X TKRO SMK Negeri 1 Parbuluan by applying the Problem Based Learning (PBL) learning model with the Quiz team strategy.

This research is a class action research (classroom action research). Problem Based Learning (PBL) is problem-based learning (PBM), namely a learning model characterized by real problems as a context for students to learn to think critically and problem-solving skills and acquire knowledge. There are 5 (five) syntax in the Problem Based Learning (PBL) learning model, namely, (1). Orient students to the problem, (2). Organizing students to learn, (3). Guiding individual and group investigations, (4). Explain and present the results of the work, (5). Analyze and solve the problem solving process. In this study, three cycles were applied, namely the pre-cycle, the first cycle, and the second cycle. The stages in the classroom action research consist of the planning stage, the action stage, the observation stage, and the reflection stage. This research was conducted at SMK Negeri 1 Parbuluan with the research subjects being all class X students majoring in Automotive Light Vehicle Engineering SMK Negeri 1 Parbuluan, a total of 27 students. Data collection techniques are by documentation, observation, and learning achievement tests.

The results showed that student learning outcomes in automotive engineering basic work subjects using the Problem Based Learning learning model in the pre-cycle obtained an average learning outcome of 62.07. Student learning outcomes in automotive engineering basic work subjects using the Problem Based Learning learning model in Cycle I obtained an average learning outcome of 67.26 and student learning outcomes in automotive engineering basic work subjects using the Problem Based Learning learning model in cycle II obtained an average learning outcome of 83.41. Based on these results, the application of the Problem Based Learning (PBL) learning model with the Quiz team strategy is proven to be able to improve learning outcomes in learning basic automotive engineering work for class X TKRO SMK in Negeri Parbuluan T.P 2022/2023..

Keywords: Learning Outcomes, Problem Based Learning, Quiz Team Strategy