

## ABSTRAK

Ruth CM Siahaan. NIM: 5153122009. skripsi yaitu “Perbedaan Hasil Belajar Siswa yang Diajarkan Menggunakan Model *Discovery Learning* dan Model *Problem Based Learning* Pada Mata Pelajaran Pekerjaan Dasar Teknik Otomotif Siswa Kelas X Teknik Kendaraan Ringan SMK Swasta Prayatna 2 Medan 2019/2020”. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2020.

Penelitian ini bertujuan untuk mengetahui perbedaan model *Problem Based Learning* dan Model *Discovery Learning* terhadap hasil belajar Pekerjaan Dasar Teknik Otomotif pada kelas X TKR SMK S Prayatna 2 Medan Tahun Ajaran 2019/2020. Penelitian ini menggunakan metode *the matching only pretest-posttest control group design*. Populasi dalam penelitian adalah siswa kelas X Teknik Kendaraan Ringan SMK Swasta Prayatna 2 Medan dengan jumlah sampel 2 kelas yaitu kelas eksperimen I dan kelas eksperimen II. Teknik pengumpulan data yang digunakan untuk mengukur hasil belajar kognitif pada mata pelajaran Pekerjaan Dasar Teknik Otomotif berupa pilihan berganda jumlah 30 Soal dengan 5 alternatif pilihan. Teknik analisis data melalui uji normalitas dengan menggunakan liliefors dan uji homogenitas dengan menggunakan uji-F. Hasil analisis diperoleh nilai  $T_{hitung} > T_{tabel}$  ( $2,74 > 2,001$ ) pada taraf signifikan 0,05% yang artinya  $H_0$  ditolak dan  $H_a$  diterima atau dengan kata lain bahwa hasil belajar siswa mata pelajaran Pekerjaan Dasar Teknik Otomotif yang diajarkan dengan model pembelajaran *Problem Based Learning* lebih tinggi dibanding hasil belajar Teknologi Dasar Otomotif yang diajar dengan menggunakan model pembelajaran *Discovery Learning*.

Kata Kunci : Hasil Belajar, Pekerjaan Dasar Teknik Otomotif, Model Pembelajaran, Problem Based Learning, Discovery Learning.



## ABSTRACT

Ruth CM Siahaan. NIM: 5153122009, theses are "Differences in Student Learning Outcomes Taught Using the Discovery Learning Model and Problem Based Learning Models in the Basic Work Subjects of Automotive Engineering for Class X Students of Light Vehicle Engineering in Private Vocational Schools Prayatna 2 Medan 2019/2020". Thesis. Faculty of Engineering, Medan State University. 2020.

This study aims to determine the differences in the Problem Based Learning model and the Discovery Learning model of the learning outcomes of Automotive Engineering Basic Work in class X TKR SMK S Prayatna 2 Medan Academic Year 2019/2020. This study uses the matching only pretest-posttest control group design method. The population in this study were students of class X Light Vehicle Engineering Vocational School Prayatna 2 Medan with a sample of 2 classes, namely experimental class I and experimental class II. Data collection techniques used to measure cognitive learning outcomes in Automotive Engineering Basic Work subjects in the form of multiple choices of 30 Questions with 5 alternative choices. Data analysis techniques through the normality test using Liliefors and homogeneity test using the F-test. The results of the analysis obtained the value of  $T_{count} > T_{table}$  ( $2.74 > 2.001$ ) at a significant level of 0.05% which means  $H_0$  is rejected and  $H_a$  is accepted or in other words that the student learning outcomes of the subject Work Basic Automotive Techniques that are taught with the Problem Based Learning model are higher than the learning outcomes of Basic Automotive Technology that are taught using the Discovery Learning learning model.

Keywords: Learning Outcomes, Basic Automotive Engineering Work, Models Learning, Problem Based Learning, Discovery Learning.

