

ABSTRAK

Peter Naibaho 5203122009: Pengaruh Kemandirian Belajar dan Penggunaan Alat Praktek terhadap Peningkatan Hasil Belajar Dasar-Dasar Teknik Otomotif Kelas X SMK N 4 Medan. Skripsi, Jurusan Pendidikan Teknik Otomotif, Fakultas Teknik, Universitas Negeri Medan, 2026.

Penelitian ini bertujuan untuk mengetahui pengaruh kemandirian belajar dan penggunaan alat praktik terhadap peningkatan hasil belajar mata pelajaran Dasar-dasar Teknik Otomotif siswa kelas X SMK Negeri 4 Medan. Penelitian ini menggunakan pendekatan kuantitatif dengan jenis penelitian asosiatif dan desain *ex post facto*. Populasi dalam penelitian ini adalah seluruh siswa kelas X Program Keahlian Teknik Sepeda Motor SMK Negeri 4 Medan dengan jumlah sampel sebanyak 35 siswa yang ditentukan menggunakan teknik *proportional random sampling*. Teknik pengumpulan data dilakukan melalui angket untuk mengukur kemandirian belajar dan penggunaan alat praktik, serta tes pilihan ganda untuk mengukur hasil belajar siswa. Instrumen penelitian telah melalui uji validitas dan reliabilitas. Analisis data dilakukan dengan uji prasyarat analisis yang meliputi uji normalitas dan uji homogenitas, serta uji hipotesis menggunakan uji-t dan uji regresi. Hasil penelitian menunjukkan bahwa kemandirian belajar berpengaruh positif dan signifikan terhadap hasil belajar Dasar-dasar Teknik Otomotif. Penggunaan alat praktik juga berpengaruh positif dan signifikan terhadap hasil belajar siswa. Selain itu, kemandirian belajar dan penggunaan alat praktik secara simultan berpengaruh signifikan terhadap peningkatan hasil belajar Dasar-dasar Teknik Otomotif siswa kelas X SMK Negeri 4 Medan. Dengan demikian, dapat disimpulkan bahwa peningkatan kemandirian belajar siswa dan optimalisasi penggunaan alat praktik dalam pembelajaran sangat berperan dalam meningkatkan hasil belajar siswa pada mata pelajaran Dasar-dasar Teknik Otomotif.

Kata Kunci: Kemandirian Belajar, Penggunaan Alat Praktik, Hasil Belajar, Dasar-Dasar Teknik Otomotif.



ABSTRACT

Peter Naibaho. 5203122009: The Effect of Learning Independence and the Use of Practical Tools on the Improvement of Learning Outcomes in Basic Automotive Engineering for Grade X Students of SMK Negeri 4 Medan. Thesis, Department of Automotive Engineering Education, Faculty of Engineering, Universitas Negeri Medan, 2026.

This study aims to determine the effect of learning independence and the use of practical tools on improving learning outcomes in the Basic Automotive Engineering subject for Grade X students of SMK Negeri 4 Medan. This research employed a quantitative approach with an associative research type and an ex post facto design. The population of this study consisted of all Grade X students of the Motorcycle Engineering Program at SMK Negeri 4 Medan, with a sample of 35 students selected using proportional random sampling techniques. Data were collected through questionnaires to measure learning independence and the use of practical tools, as well as multiple-choice tests to assess students' learning outcomes. The research instruments were tested for validity and reliability. Data analysis was conducted using prerequisite tests, including normality and homogeneity tests, followed by hypothesis testing using t-tests and regression analysis. The results indicate that learning independence has a positive and significant effect on students' learning outcomes in the Basic Automotive Engineering subject. The use of practical tools also has a positive and significant effect on students' learning outcomes. Furthermore, learning independence and the use of practical tools simultaneously have a significant effect on improving learning outcomes in Basic Automotive Engineering for Grade X students of SMK Negeri 4 Medan. Therefore, it can be concluded that improving students' learning independence and optimizing the use of practical tools in the learning process play an important role in enhancing students' learning outcomes in the Basic Automotive Engineering subject.

Keywords: Learning Independence, Use of Practical Tools, Learning Outcomes, Basic Automotive Engineering.

