ABSTRAK

Rheza Alfianda, NIM 5173122017 (2024). ***Pengembangan Modul Power Steering Pada Sistem Kemudi Mata Pelajaran Chasis Dan Pemindah Tenaga Kendaraan Ringan Untuk Kelas XI TKR Di SMK Negeri 4 Medan*****. Skripsi. Fakultas Teknik, Universitas Negeri Medan. 2024.**

Penelitian ini bertujuan untuk membuat dan mengembangkan media pembelajaran berupa modul sistem sistem kemudi (*power steering*) pada mata pelajaran chasis dan pemindah tenaga kendaraan ringan di SMKNegeri 4 medan yang dapat digunakan untuk mendukung pembelajaran sehingga dapat membantu guru dalam penyampaian materi pembelajaran. Selain itu tujuan pengembangan media pembelajaran ini ialah untuk mengetahui kelayakan media pembelajaran dalam proses pembelajaran.

Hasil dari penelitian ini adalah media pembelajaran berupa modul sistem kemudi (*power steering*), dengan persentase kelayakan: (1) tingkat kelayakan modul sistem kemudi (*power steering*) berdasarkan penilaian ahli materi; (2) tingkat kelayakan modul sistem kemudi (*power steering*) berdasarkan penilaian ahli media ; (3) tingkat kelayakan modul sistem kemudi (*power steering*) berdasarkan penilaian ahli desain pembelajaran; (4) respon siswa terhadap modul sistem kemudi (*power steering*). Sampel penelitian terdiri dari 26 peserta didik kelasXI TKR I. Penelitian ini termasuk *Research and Development* menggunakan model 4D. Hasil penelitian yang diperoleh untuk kelayakan modul sistem kemudi (*power steering*).

Berdasarkan penilaian ahli media, ahli materi dan ahli desain pembelajaran didapatkan nilai rata-rata keseluruhan 4,30 dengan persentase kelayakan 86% yang terkategori sangat layak. Hasil penilaian respon siswa terhadap modul sistem kemudi (*power steering*) menunjukkan rata-rata keseluruhan 4,33 dengan persentase penilaian 87% yang terkategori sangat layak.

Kata kunci : Pengembangan, modul, *power steering*

ABSTRACT

***Rheza Alfianda, NIM 5173122017 (2024). Development of a Power Steering Module in the Chassis and Power Transfer Steering System for Light Vehicles for Class XI TKR at SMK Negeri 4 Medan. Thesis*. Fakultas Teknik, Universitas Negeri Medan. 2024.**

This research aims to create and develop learning media in the form of a steering system module (power steering) in light vehicle chassis and power transfer subjects at SMK Negeri 4 Medan which can be used to support learning so that it can help teachers in delivering learning material. Apart from that, the aim of developing this learning media is to determine the suitability of learning media in the learning process.

The results of this research are learning media in the form of a steering system module (power steering), with feasibility percentages: (1) level of feasibility of the steering system module (power steering) based on material expert assessment; (2) the level of suitability of the steering system module (power steering) based on the assessment of media experts; (3) the level of feasibility of the steering system module (power steering) based on the assessment of learning design experts; (4) student responses to the steering system module (power steering). The research sample consisted of 26 students from class XI TKR I. This research included Research and Development using the 4D model. The research results obtained for the feasibility of the steering system module (power steering).

Based on the assessment of media experts, material experts and learning design experts, an overall average score of 4.30 was obtained with a feasibility percentage of 86% which was categorized as very feasible. The results of the assessment of student responses to the steering system module (power steering) show an overall average of 4.33 with an assessment percentage of 87% which is categorized as very feasible.

Keywords: *Development, module, power steering*