ABSTRAK

Avonsius Sinaga : Pengembangan Alat peraga Instalasi Penerangan Pada Mata Pelajaran Instalasi Penerangan Listrik Kelas XI TITL SMK Negeri 5 Medan 2023.
Skripsi. Fakultas Teknik Universitas Negeri Medan. 2023

Penelitian ini bertujuan untuk mengembangkan media Alat Peraga Instalasi Penerangan Listrik untuk kelas XI Jurusan Teknik Instalasi Tenaga Listrik di SMK Negeri 5 Medan dan untuk mengetahui Kelayakan Alat Peraga Instalasi Penerangan Listrik pada mata pelajaran Instalasi Penerangan Listrik di SMK Negeri 5 Medan. Metode penelitian yang digunakan adalah penelitian dan pengembangan (*Research and Development*) dengan model penelitian pengembangan ADDIE. Tahapan dalam pengembangannya yaitu 1) Tahap *Analysis*, 2) *Design*, 3) *Development or Production*, 4) *Implementation*, 5) *Evaluations*. Pengambilan data validasi materi dan media pembelajaran menggunakan skala likert. Data pada penelitian ini diperoleh melalui instrument yang diadaptasi dari Mourdel (Panahatan, 2009:18), yang terdiri dari ahli materi, ahli media dan pengguna. Hasil dari penelitian pengembangan ini berupa alat peraga instalasi penerangan listrik berserta Jobsheet. media pembelajaran berbasisi alat ini telah melalui tahap uji validasi dengan rata – rata persentase capaian sebesar 94% menurut ahli materi dan 87% menurut ahli media. Dilakukan uji coba terhadap 36 orang siswa, dengan rata rata persentase capaian sebesar 98%. Hasil penelitian dapat disimpulkan bahwa media pembelajaran menggunakan alat peraga instalasi penerangan ini memenuhi syarat dengan kualitas sangat layak dan efektif digunakan sebagai media penunjang kegiatan pembelajaran dasar-dasar program keahlian.

Kata kunci : *Media pembelajaran, Alat Peraga, Instalasi Penerangan Listrik,*

ABSTRACT

Avonsius Sinaga: ***Development of Lighting Installation teaching aids in the Electrical Lighting Installation Subject Class XI TITL SMK Negeri 5 Medan 2023.***
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This research aims to develop media for Electrical Lighting Installation Demonstration Tools for class XI Department of Electric Power Installation Engineering at SMK Negeri 5 Medan and to find out the feasibility of a teaching aids in the electricity lighting installation in the subject of electric lighting installation at SMK Negeri 5 Medan. The research method used is research and development with the ADDIE research and development model. The stages in development are 1) Analysis Stage, 2) Design, 3) Development or Production, 4) Implementation, 5) Evaluations. Data collection for validation of learning materials and media uses a Likert scale. The data in this research was obtained using an instrument adapted from Mourdel (Panahatan, 2009:18), which consisted of material experts, media experts, and user. The results of this development research are in the form of electrical lighting installation demonstration tools along with job sheets. This tool-based learning media has gone through the validation test stage with an average achievement percentage of 94% according to material experts and 87% according to media experts. Trials have been carried out on 36 students, with an average achievement percentage of 98%. The research results, it can be concluded that the learning media using lighting installation teaching aids meets the requirements with very suitable quality and is effectively used as a media to support learning activities on the basics of skills programs.

Keywords*: Learning media, teaching aids, electrical lighting installations,*