PENGEMBANGAN BAHAN AJAR PADA MATA PELAJARAN INSTALASI MOTOR LISTRIK DI SMK MA'ARIF 1 WATES

Oleh:

MUHAMMAD AMALUL FADHLAN

NIM. 15501244017

ABSTRAK

Tujuan penelitian (1) mengembangkan bahan ajar praktik pada mata pelajaran instalasi motor listrik di Program Keahlian Teknik Instalasi Pemanfaatan Tenaga Listrik SMK Ma'arif 1 Wates dan (2) menguji kelayakan bahan ajar mata pelajaranan instalasi motor listrik pada ahli media, ahli materi, dan responden.

Penelitian ini merupakan pengembangan bahan ajar praktik instalasi motor listrik dengan menggunaakan metode 4D *Models* yaitu (1) pendefinisian *(Define)*, (2) perancangan *(Design)*, (3) pengembangan *(Develop)*, (4) penyebaran *(Disseminate)*. Uji validitas bahan ajar melibatkan dua ahli materi pembelajaran dan dua ahli media pembelajaran, untuk uji ketertarikan responden oleh 28 siswa SMK Ma'arif 1 Wates Kelas XI. Teknik analisis data untuk kelayakan bahan ajar menggunakan analisis deskriptif kualitatif.

Hasil penelitian menunjukan bahwa pengembangan bahan ajar praktik instalasi motor listrik, validasi materi memperoleh tingkat kelayakan 72,8% (Layak), validasi media memperoleh tingkat kelayakan 87% (Sangat Layak), Sedangkan uji ketertarikan oleh siswa memperoleh tingkat ketertarikan sebesar 72,73% (Layak). Hal ini menunjukan bahwa bahan ajar praktik instalasi motor listrik telah memenuhi untuk digunakan.

Kata kunci: Bahan Ajar Praktik, Instalasi Motor Listrik

DEVELOPMENT OF TEACHING MATERIALS IN THE STUDY OF INSTALLATION OF ELECTRIC MOTORS IN MA'ARIF 1 WATES VOCATIONAL SCHOOL

***By*:**

MUHAMMAD AMALUL FADHLAN

NIM. 15501244017

ABSTRACT

Purpose of research (1) develops practical teaching materials on the subject of electric motor installation in the Engineering Expertise Program for Installing Electric Power at VHS Ma'arif 1 Wates and (2) tests the feasibility of eye teaching materials in the study of electric motorists, material experts, and respondent.

This study is the development of teaching materials for electric motor installation practices by using the 4D Models method, namely (1) defining (Define), (2) design (Design), (3) development (Develop), (4) dissemination (Disseminate). The validity test of teaching materials involved two learning material experts and two instructional media experts, to test respondents' interest by 28 students of VHS Ma'arif 1 Wates Class XI. Data analysis techniques for the feasibility of teaching materials using qualitative descriptive analysis.

The results showed that the development of teaching materials for electric motor installation practices, material validation obtained a feasibility level of 72.8% (Eligible), media validation obtained a feasibility rate of 87% (Very Eligible), while the interest test by students obtained a feasibility level of 72.73%. This shows that the teaching materials for the practice of installing electric motors are appropriate and appropriate as learning in the practice of installing electric motors

Keywords: Instructional Materials Learning, Electric Motors Installation