

**PENGEMBANGAN MEDIA PEMBELAJARAN TRAINER PENGENDALI
ELEKTROMAGNETIK PADA INSTALASI MOTOR LISTRIK DI JURUSAN TEKNIK
LISTRIK SMK NEGERI 3 SINGARAJA**

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ABSTRAK

Penelitian ini bertujuan untuk membuat Trainer Pengendali Elektromagnetik Pada Instalasi Motor Listrik Di Jurusan Teknik Listrik SMK Negeri 3 Singaraja mengetahui kelayakan pada mata pelajaran Instalasi Motor Listrik (IML). Penelitian ini menggunakan metode penelitian pengembangan (*Developmental research*). Pengumpulan data dalam penelitian ini dilakukan dengan penyebaran angket atau kuisioner yang di nilai oleh ahli isi atau materi, ahli media. Hasil penelitian di peroleh: hasil uji validasi dari ahli media mendapatkan persentase 93,33% termasuk kualifikasi sangat layak, hasil uji validasi ahli isi atau ahli materi mendapatkan persentase 96,2% termasuk kualifikasi sangat layak. Berdasarkan hasil penelitian, media pembelajaran Trainer Pengendali Elektromagnetik Pada Instalasi Motor Listrik di Jurusan Teknik Listrik SMK Negeri 3 Singaraja layak digunakan pada proses pembelajaran Instalasi Motor Listrik (IML).

Kata Kunci : *Media Pembelajaran, penelitian pengembangan (Developmental Research), Pengendali Elektromagnetik, Instalasi Motor Listrik.*

**DEVELOPMENT OF INSTRUCTIONAL MEDIA FOR ELECTROMAGNETIC
CONTROLLERS IN ELECTRIC MOTOR AGENCIES MAJORING IN ELECTRICAL
ENGINEERING AT STATE HIGH SCHOOL 3 SINGARAJA**

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ABSTRACT

This study aims to make an Electromagnetic Control Trainer in an Electric Motor Installation in the Electrical Engineering Department of SMK Negeri 3 Singaraja to find out the feasibility of the Electrical Motor Installation (IML) subject. This research uses the developmental research method. The list collection in this study was conducted by distributing questionnaires or questionnaires rated by content or material experts, media experts. The research results were obtained: the results of the validation test from media experts got a percentage of 93.33% including very feasible qualifications, the results of the validation test for content experts or material experts got a percentage of 96, 2% including very feasible qualifications. Based on the results of the research, the learning media for the Electromagnetic Control Trainer in the Electrical Motor Installation in the Electrical Engineering Department of SMK Negeri 3 Singaraja is suitable for use in the learning process of Electrical Motor Installation (IML)

Keywords: Learning Media, Developmental Research, Electromagnetic Controller, Electric Motor Installation.