MEDIA PEMBELAJARAN HUKUM GAUSS & POTENSIAL LISTRIK BERBASIS CD INTERAKTIF

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ABSTRAK

Penelitian ini bertujuan, 1) membuat media pembelajaran Hukum Gauss & Potensial Listrik berbasis CD interaktif, 2) mengetahui kelayakan media pembelajaran pada mata kuliah Fisika Teknik, 3) dan mengetahui respons dari mahasiswa terhadap media pembelajaran Hukum Gauss & Potensial Listrik pada mata kuliah Fisika Teknik. Penelitian ini, termasuk jenis penelitian R&D (*Research and Development*). Penelitian ini menggunakan kuesioner sebagai instrumen pengumpulan data oleh ahli materi, ahli media dan mahasiswa. Dari hasil penelitian yang telah dilaksanakan: hasil uji ahli materi mendapatkan nilai rerata persentase sebesar 90,59% dengan kualifikasi sangat layak, hasil uji ahli media mendapatkan nilai rerata persentase sebesar 93,85% dengan kualifikasi sangat layak, hasil uji coba kelompok kecil dengan nilai terendah 59 termasuk kategori "Sangat Tinggi" dan uji coba kelompok besar dengan nilai terendah 60 termasuk kategori "Sangat Tinggi" dengan respons yang baik dari mahasiswa. Berdasarkan hasil penelitian, media pembelajaran Hukum Gauss & Potensial Listrik layak digunakan dalam pelaksanaan proses pembelajaran pada mata kuliah Fisika Teknik di Program Studi Pendidikan Teknik Elektro UNDIKSHA.

Kata Kunci : *Pengembangan Media Pembelajaran, CD Interaktif, Fisika Teknik.*

INTERACTIVE CD-BASED LEARNING MEDIA OF GAUSS AND POTENSIAL ELECTRICITY

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ABSTRACT

This study aims to, 1) make learning media Gauss & Electric Potential Law based on interactive CDs, 2) find out the feasibility of learning media in Engineering Physics courses, 3) and find out the responses of students to the learning media of Gauss Law & Electric Potential in Engineering Physics courses . This research, including the type of research R&D (Research and Development). This study uses a questionnaire as an instrument for data collection by material experts, media experts and students. From the results of the research that has been carried out: the results of the expert material test get an average percentage value of 90.59% with very decent qualifications, the results of the media expert test get an average percentage of 93.85% with very decent qualifications, the results of small group trials with a value of the lowest 59 included in the category of "Very High" and large group trials with the lowest score of 60 included the category of "Very High" with a good response from students. Based on the results of the study, the learning media Gauss Law & Electric Potential is appropriate to be used in the implementation of the learning process in the Engineering Physics course in the Electrical Engineering Education Study Program UNDIKSHA.

Keywords: *Learning Media Development, Interactive CDs, Engineering Physics.*