

**LEARNING MEDIA OF IOT-BASED REMOTE SWITCHING  
CONTROL SYSTEM IN ELECTRICAL ENGINEERING EDUCATION  
STUDY PROGRAM UNDIKSHA**

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**ABSTRACT**

This study aims to create an IOT-Based Remote Switching Control System Learning Media in the Undiksha Electrical Engineering Education Undergraduate Study Program. Knowing the feasibility of the Iot-Based Remote Switching Control System Learning Media, and knowing the responses of students or students to this learning media. This research is classified as R&D (Research and Development) research. This study uses a statistical analysis method used to process percentages of content experts, media experts, and field trials. This study used a questionnaire as an instrument for collecting data from content experts, media experts, and students. The research results obtained: the results of the media expert test got a percentage of 98.33% with very decent qualifications, the content expert validation test got a percentage of 96.36% with very decent qualifications. The score range for all 6 small group test respondents is listed in very high qualification, and the score range for 20 large group test respondents is all listed in very high qualification. IOT-Based Remote Switching Control System Learning Media in Undiksha's Undergraduate Electrical Engineering Education Study Program is suitable for use in the learning process.

**Keywords:** Learning Media, IoT, control system course

**MEDIA PEBELAJARAN SISTEM KENDALI PENSAKLARAN JARAK  
JAUH BERBASIS IoT DI PRODI S1 PENDIDIKAN TEKNIK ELEKTRO  
UNDIKSHA**

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**ABSTRAK**

Penelitian ini bertujuan untuk membuat Media Pembelajaran Sistem Kendali Pensaklaran Jarak Jauh Berbasis Iot di Prodi S1 Pendidikan Teknik Elektro Undiksha. Mengetahui kelayakan Media Pembelajaran Sistem Kendali Pensaklaran Jarak Jauh Berbasis Iot, dan mengetahui respon dari peserta didik atau mahasiswa terhadap Media pembelajaran ini. Penelitian ini tergolong klasifikasi penelitian R&D (*Reasearch and Development*). Penelitian ini menggunakan metode analisa statistik persentase digunakan sebagai mengolah data ahli isi, ahli media, dan uji coba di lapangan. Penelitian ini memakai kuesioner sebagai instrument pengambilan data dari ahli isi, ahli media, dan mahasiswa. Hasil riset diperoleh: hasil uji ahli media mendapatkan persentase sebesar 98,33% dengan kualifikasi sangat layak, uji validasi ahli isi mendapatkan presentase sebesar 96,36% dengan kualifikasi sangat layak. Rentang skor kepada 6 orang responden uji kelompok kecil seluruh tercantum dalam kualifikasi sangat tinggi, dan rentang skor untuk 20 orang responden uji kelompok besar seluruh tercantum dalam kualifikasi sangat tinggi. Media Pembelajaran Sistem Kendali Pensaklaran Jarak Jauh Berbasis Iot di Prodi S1 Pendidikan Teknik Elektro Undiksha layak digunakan dalam proses pembelajaran.

**Kata Kunci :** *Media Pembelajaran, IoT, mata kuliah sistem kendali*