

ABSTRAK

SISTEM INFORMASI PORTAL PRODI MODUL PENDAFTARAN SEMINAR AKADEMIK DI JURUSAN TEKNIK ELEKTRO FAKULTAS TEKNIK UNIVERSITAS LAMPUNG MENGGUNAKAN METODE RAPID APPLICATION DEVELOPMENT (RAD)

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Pendaftaran seminar masih harus menemui admin di jurusan pada jam kerja sementara itu terkadang admin tidak ada ditempat, selain itu admin harus mengirimkan persyaratan seminar berulang kepada mahasiswa yang ingin mendaftar. Dalam penelitian ini akan dikembangkan modul pendaftaran seminar untuk mengintegrasikan layanan-layanan informasi di program studi. Penelitian ini bertujuan mengembangkan Sistem Informasi Portal Prodi Modul Pendaftaran Seminar Akademik Di Jurusan Teknik Elektro Fakultas Teknik Universitas Lampung Menggunakan Metode *Rapid Application Development* (RAD). Hasil pengujian fungsi menggunakan metode *Black Box Testing* memperoleh hasil dalam keseluruhan pengujian pada fungsi mendapatkan hasil yaitu *OK*/berhasil tanpa adanya *FAIL*/kegagalan pada saat pengujian fungsi. Pengujian terhadap pengguna pada sistem informasi portal prodi modul pendaftaran seminar akademik menggunakan metode pengujian *User Experience Question* (UEQ) yaitu pada aspek *Attractiveness*, *Perspicuity*, *Efficiency*, *Dependability*, *Stimulation* dan *Novelty* dengan jumlah responden 30 orang. Berdasarkan pengujian tersebut, didapatkan penilaian pengujian pada aspek *Attractiveness* mendapatkan nilai 1.84 (Excellent), *Perspicuity* mendapatkan nilai 1.93 (Good), *Efficiency* mendapatkan nilai 1.71 (Good), *Dependability* nilai 1,56 (Good) , *Stimulation* mendapatkan nilai 1.88 (Excellent) dan *Novelty* mendapatkan nilai 1.36 (Good). Hasil ini termasuk kedalam kategori *Acceptable/good* melihat dari hasil aspek pengujian *UEQ*.

Kata Kunci — Sistem Informasi, Pendaftaran Seminar, *Web Service*, Monitoring, *Rapid Application Development*.

ABSTRACT

ACADEMIC PORTAL INFORMATION SYSTEM FOR SEMINAR REGISTRATION STUDY MODULE IN ELECTRICAL ENGINEERING DEPARTMENT FACULTY OF ENGINEERING UNIVERSITY OF LAMPUNG USING RAPID APPLICATION DEVELOPMENT (RAD) METHOD

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Seminar registration still has to meet the admin in the department during working hours, while sometimes the admin is not there, besides that the admin must send repeated seminar requirements to students who want to register. In this research, a seminar registration module will be developed to integrate information services in the study program. This research aims to develop an Academic Portal Information System for Seminar Registration Study Module in Electrical Engineering, Faculty of Engineering, University of Lampung using the Rapid Application Development (RAD) method. The results of function testing using the Black Box Testing method obtained results in the overall test get results OK/success without any FAIL/failure of function testing. Users testing on the Academic Portal Information System for Seminar Registration Study Module uses the User Experience Question (UEQ) testing method, namely the Attractiveness, Perspicuity, Efficiency, Dependability, Stimulation and Novelty aspects with a total of 30 respondents. Based on these tests, found that the test assessment on the Attractiveness aspect got a value of 1.84 (Excellent), Perspicuity got a value of 1.93 (Good), Efficiency got a value of 1.71 (Good), Dependability got a value of 1.56 (Good), Stimulation got a value of 1.88 (Excellent) and Novelty got a score of 1.36 (Good). This result is included in the Acceptable/good category, according from the results of the UEQ testing aspect.

Keywords — Information System, Seminar Registration, Web Service, Monitoring, Rapid Application Development.