

ABSTRACT

MANAGEMENT INFORMATION SYSTEM FOR ENGLISH PROFICIENCY TEST AND WEB PORTAL OF LANGUAGE CENTER OF LAMPUNG UNIVERSITY WEB BASED DEVELOPMENT USING LARAVEL FRAMEWORK

By

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Lampung University is the oldest state university in Lampung province, which is increasing the use of IT in business process of technical implementation units, for example language center of Lampung University. It provides best practices in language training and language testing to students and public so that it increasingly requires the use of IT in running its business process. Currently, the institution still manages business process manually and employs the third party as a facility in EPT registration process. Therefore, the objectives of the research are to build an EPT management information system and information portal that can assist in information delivery, EPT registration process, EPT data management and IT benefit optimization. The method in developing the system uses the Rational Unified Process (RUP) method. The results of this study, the authors have succeeded in establishing an EPT management information system and

information portal, as well as the functional testing result using equivalence partitioning, show that the system can function according to user needs and on the test results non-functional information system and web portal reached in the category very good.

Keywords: language center, management information system, english proficiency test, web portal, rational unified Process, Equivalence Partitioning.

ABSTRAK

PENGEMBANGAN SISTEM INFORMASI PENGELOLAAN DATA ENGLISH PROFICIENCY TEST (EPT) DAN PORTAL INFORMASI UPT BAHASA UNIVERSITAS LAMPUNG BERBASIS WEB MENGGUNAKAN *FRAMEWORK* LARAVEL

Oleh

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Universitas Lampung merupakan perguruan tinggi negeri tertua di provinsi Lampung yang sedang meningkatkan penggunaan IT pada proses bisnis di Unit-unit Pelaksana Teknis, contohnya UPT Bahasa Universitas Lampung. UPT Bahasa merupakan unit pelaksana teknis di bidang pengembangan pembelajaran bahasa dan layanan kebahasaan. Saat ini, UPT Bahasa masih melakukan proses bisnis secara manual dan menggunakan pihak ketiga sebagai fasilitas dalam pendaftaran EPT, untuk itu dibutuhkan sistem informasi manajemen EPT dan portal informasi yang dapat membantu dalam penyampaian informasi, proses pendaftaran EPT, pengelolaan data EPT dan optimasi manfaat IT. Metode yang digunakan dalam pengembangan sistem ini yaitu metode *Rational Unified Process* (RUP). Sistem informasi dan portal informasi yang dibangun berbasis web menggunakan *framework* Laravel. Hasil pengujian fungsionalitas

menggunakan *equivalence partitioning* menunjukkan bahwa sistem dapat berfungsi sesuai kebutuhan pengguna dan pada hasil pengujian non-fungsionalitas sistem informasi dan portal informasi masuk dalam kategori sangat baik.

Kata Kunci: UPT bahasa, sistem informasi pengelolaan data, *english proficiency test*, portal informasi, *rational unified process*, *equivalence partitioning*.