

**RANCANG BANGUN APLIKASI EPT (*ENGLISH PROFICIENCY TEST*)
BERBASIS WEBSITE MENGGUNAKAN FRAMEWORK LARAVEL
(STUDI KASUS: UNIT PENUNJANG AKADEMIK BAHASA UPN
“VETERAN” JAWA TIMUR)**

SKRIPSI

**Diajukan untuk memenuhi persyaratan
Dalam memperoleh gelar Sarjana Komputer
Program Studi Sistem Informasi**



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SURABAYA
2024**

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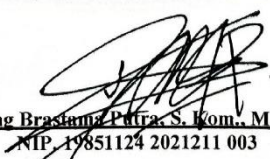
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ABSTRAK

Penggunaan sistem informasi dalam bentuk program aplikasi dapat memudahkan dan mempercepat kinerja suatu institusi pendidikan tinggi dalam proses operasional sehari – hari, salah satunya proses EPT (*English Proficiency Test*). EPT sendiri merupakan tes terstandarisasi untuk mengukur semua aspek dalam kemahiran dalam berbahasa inggris khususnya untuk keperluan akademis. Pada proses pelaksanaan EPT yang ada pada Unit Penunjang Akademik Bahasa UPN “VETERAN” Jawa Timur masih menggunakan proses tes secara manual dan kurang maksimal seperti proses pemeriksaan tes dilakukan secara manual dan ketersediaan tempat ujian dan perangkat ujian yang terbatas. Hal ini dirasa kurang efektif karena proses pelaksanaan tes seringkali memakan waktu yang lama. Akibatnya, proses ujian akan terganggu dan peserta ujian tidak bisa melaksanakan proses ujian tersebut. Maka dibutuhkan solusi berupa sebuah aplikasi EPT yang lebih terintegrasi, membantu dalam memudahkan proses mengerjakan soal tes, memudahkan dalam melakukan pemeriksaan tes, membantu dalam mengelola data – data tes, terintegrasi langsung ke dalam *database*. Aplikasi EPT dirancang menggunakan metode *waterfall* dengan menerapkan *Iconix Process* untuk perancangan sistem. Kemudian aplikasi tersebut akan dibangun menggunakan framework Laravel dan dilakukan pengujian menggunakan metode *Black-box testing*. Pada tahap *testing* dilakukan pengujian apakah aplikasi yang dibangun sesuai dengan harapan, dan hasil keseluruhan sistem telah berhasil dibangun dengan baik. Tahap terakhir adalah melakukan penyerahan aplikasi ke pengguna berupa Aplikasi EPT dan melakukan evaluasi pengalaman pengguna dalam berinteraksi terhadap sistem. Luaran dari penelitian ini berupa aplikasi EPT yang dapat membantu Peserta dalam mengerjakan tes dan Admin (Staff / Pegawai) dalam mengelola soal tes, mengelola peserta tes, mengelola jadwal tes, dan memeriksa soal tes.

Kata kunci :

Sistem Informasi, Aplikasi, Website, EPT, Metode Waterfall, Laravel

Title : DESIGN OF WEBSITE-BASED EPT (ENGLISH PROFICIENCY TEST) APPLICATION USING LARAVEL FRAMEWORK (CASE STUDY: LANGUAGE ACADEMIC SUPPORT UNIT UPN "VETERAN" EAST JAVA)

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ABSTRACT

The use of information systems in the form of application programs can facilitate and accelerate the performance of a higher education institution in daily operational processes, one of which is the EPT (English Proficiency Test) process. EPT itself is a standardized test to measure all aspects of proficiency in English, especially for academic purposes. In the process of implementing the EPT in the Language Academic Support Unit of UPN "VETERAN" East Java, it still uses a manual test process and is less than optimal, such as the process of examining the test is done manually and the availability of exam rooms and exam devices is limited. This is considered less effective because the test implementation process often takes a long time. As a result, the exam process will be disrupted and examinees cannot carry out the exam process. So a solution is needed in the form of an EPT application that is more integrated, helps in facilitating the process of working on test questions, makes it easier to conduct test checks, helps in managing test data, is integrated directly into the database. The EPT application is designed using the waterfall method by applying the Iconix Process for system design. Then the application will be built using the Laravel framework and tested using the Black-box testing method. In the testing stage, testing is carried out whether the application built is as expected, and the overall results of the system have been successfully built properly. The last stage is to submit the application to the user in the form of an EPT Application and evaluate the user experience in interacting with the system. The output of this research is in the form of an EPT application that can help Participants in taking tests and Admin (Staff/ Employees) in managing test questions, managing test participants, managing test schedules, and checking test questions.

Keyword : *Information System, Application, Website, EPT, Waterfall, Laravel*

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