PROYEK PENGEMBANGAN WEBSITE ALUMNI FAKULTAS ILMU KOMPUTER UPN "VETERAN" JAKARTA DENGAN INTEGRASI DATA DAN VISUALISASI DATA ALUMNI

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ABSTRAK

Website alumni merupakan sarana digital yang dirancang untuk memfasilitasi komunikasi, informasi, dan jejaring antara alumni dan institusi. Penelitian ini bertujuan untuk merancang dan membangun website alumni Fakultas Ilmu Komputer UPN "Veteran" Jakarta yang menyediakan berbagai fitur seperti pendaftaran alumni, peta sebaran alumni, informasi pekerjaan, konten alumni inspiratif, dan manajemen admin. Metode pengembangan perangkat lunak yang digunakan adalah pendekatan *waterfall* yang mencakup analisis kebutuhan, desain, implementasi, pengujian, dan evaluasi. Hasil dari pengembangan ini adalah website berbasis React.js di sisi *frontend* dan Laravel di sisi *backend* dengan integrasi API UPNVJ. Pengujian dilakukan melalui UAT (*User Acceptance Test*) terhadap perwakilan pengguna dari kalangan alumni dan tim redaksi, yang menunjukkan bahwa fitur telah berjalan dengan baik dan bermanfaat untuk membangun komunitas alumni yang aktif dan terhubung. Website ini merupakan media interaktif dan berkelanjutan bagi alumni dalam menjalin hubungan profesional serta mendukung kebutuhan institusi terhadap data alumni yang akurat.

Kata Kunci: Website Alumni, Sistem Informasi, Fakultas Ilmu Komputer, UPN "Veteran" Jakarta, React JS, Laravel, Peta Alumni, UAT

ALUMNI WEBSITE DEVELOPMENT PROJECT FOR THE FACULTY OF COMPUTER SCIENCE, UPN "VETERAN" JAKARTA WITH DATA INTEGRATION AND ALUMNI DATA VISUALIZATION

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ABSTRACT

An alumni website is a digital platform designed to facilitate communication, information sharing, and networking between alumni and the institution. This study aims to design and develop an alumni website for the Faculty of Computer Science at UPN "Veteran" Jakarta, offering features such as alumni registration, alumni distribution map, job information, inspirational alumni content, and admin management. The software development approach used is the waterfall method, covering requirement analysis, design, implementation, testing, and evaluation. The result is a website built using React.js for the frontend and Laravel for the backend, integrated with UPNVJ's public APIs. Testing was conducted through a User Acceptance Test (UAT) involving alumni and editorial representatives, showing that the features function properly and provide significant benefits in fostering an active and connected alumni community. This website is expected to serve as an interactive and sustainable medium for alumni to build professional relationships and support the institution's need for accurate alumni data.

Keywords: *Alumni Website, Information System, Faculty of Computer Science, UPN "Veteran" Jakarta, React JS, Laravel, Alumni Map, UAT*