ABSTRACT

DEVELOPMENT OF A WEB-BASED JOB VACANCY INFORMATION SYSTEM AT THE CENTER FOR CAREER AND ENTREPRENEURSHIP DEVELOPMENT (CCED), UNIVERSITAS LAMPUNG

By

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In the digital era, the need for an effective bridge between job seekers and employers is increasingly urgent. Within Universitas Lampung, CCED requires a web-based job-vacancy information system that presents structured information and simplifies the application process. This study develops a Job Vacancy Information System for CCED, covering authentication, profile management, vacancy creation/curation by employers, and quick apply for applicants. The system is implemented using Next.js (Web) with JavaScript/TypeScript, Prisma as the ORM, and NeonDB as the database; deployment is carried out via Vercel. The Prototype method was applied with periodic feedback from CCED. Quality validation was conducted through black-box testing and User Acceptance Testing (UAT). Results show that the system operates according to specifications and improves usability on the vacancy page. The evaluation focuses on the functionality and UX of the vacancy page; security and server-side performance testing are out of scope. Recommendations include strengthening notifications, verification flow, automatic backups, and an admin communication channel.

Keywords: *Web, Information System, Job Vacancy, CCED, Next.js, Prisma, NeonDB, Prototype, Black-box, UAT.*

ABSTRAK

PENGEMBANGAN SISTEM INFORMASI LOWONGAN PEKERJAAN BERBASIS WEB PADA CENTER FOR CAREER AND ENTREPRENEURSHIP DEVELOPMENT (CCED) UNIVERSITAS LAMPUNG

Oleh

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Di era digital, kebutuhan penghubung efektif antara pencari kerja dan penyedia kerja kian mendesak. Di lingkungan Universitas Lampung, CCED memerlukan sistem informasi lowongan berbasis web yang menyajikan informasi terstruktur dan memudahkan proses lamaran. Penelitian ini mengembangkan Sistem Informasi Lowongan Pekerjaan untuk CCED, meliputi autentikasi, pengelolaan profil, pembuatan/kurasi lowongan oleh penyedia kerja, serta *quick apply* bagi pelamar. Implementasi menggunakan Next.js (Web) dengan JavaScript/TypeScript, Prisma sebagai ORM, dan NeonDB sebagai basis data; *deployment* dilakukan melalui Vercel. Metode Prototype diterapkan dengan umpan balik berkala dari CCED. Validasi mutu dilakukan melalui pengujian black-box dan User Acceptance Testing (UAT). Hasil menunjukkan sistem berfungsi sesuai spesifikasi dan meningkatkan kemudahan penggunaan pada laman lowongan. Evaluasi berfokus pada aspek fungsionalitas dan UX laman lowongan; uji keamanan dan performa server berada di luar cakupan. Rekomendasi meliputi penguatan notifikasi, alur verifikasi, *backup* otomatis, dan kanal komunikasi admin.

Kata kunci: *Web*, Sistem Informasi, Lowongan Pekerjaan, CCED, *Next.js, Prisma, NeonDB, Prototype, Black-box, UAT.*