

ABSTRAK

Praktik Kerja Lapangan (PKL) di SMKN 1 Kota Bekasi masih dilakukan secara manual menggunakan dokumen fisik sehingga rentan terhadap keterlambatan informasi, duplikasi data, serta kesulitan dalam proses pengelolaan dan monitoring kegiatan PKL. Penelitian ini bertujuan untuk mengembangkan sistem informasi berbasis website yang mampu mendukung pengelolaan kegiatan PKL secara terintegrasi, mulai dari pengelolaan data pengguna, mitra, lowongan PKL, pendaftaran, surat rekomendasi, penempatan peserta, jurnal harian, hingga laporan akhir. Metode pengembangan sistem yang digunakan adalah *Rapid Application Development* (RAD). Pada tahap perencanaan kebutuhan, analisis permasalahan dilakukan menggunakan pendekatan PIECES untuk mengidentifikasi kelemahan sistem yang sedang berjalan. Sistem dikembangkan menggunakan *framework* Laravel karena memiliki fleksibilitas, keamanan, dan kemudahan pengembangan. Pengujian dilakukan menggunakan metode *Black Box Testing* terhadap 100 test case. Selain itu, hasil *User Acceptance Testing* (UAT) memperoleh kategori “Sangat Baik” dengan persentase penilaian sebesar 83%–92%, sehingga sistem dinilai mampu meningkatkan efektivitas pengelolaan PKL serta mempermudah proses administrasi, monitoring, dan pelaporan bagi seluruh pengguna sistem.

Kata Kunci: Praktik Kerja Lapangan, Sistem Informasi, Sekolah Menengah Kejuruan, RAD, Laravel

ABSTRACT

Field Work Practice (Praktik Kerja Lapangan/PKL) at SMKN 1 Kota Bekasi is still managed manually using physical documents, making the process vulnerable to information delays, data duplication, and difficulties in managing and monitoring PKL activities. This study aims to develop a web-based information system that supports the integrated management of PKL activities, including user management, partner companies, internship vacancies, student registration, recommendation letters, participant placement, daily journals, and final reports. The system was developed using the Rapid Application Development (RAD) methodology. During the requirements planning phase, the existing problems were analyzed using the PIECES framework to identify weaknesses in the current system. The application was developed using the Laravel framework due to its flexibility, security, and ease of development. System testing was conducted using the Black Box Testing method with a total of 100 test cases. In addition, the User Acceptance Testing (UAT) results achieved an "Excellent" rating, with user satisfaction scores ranging from 83% to 92%, indicating that the developed system effectively improves the efficiency of PKL management while facilitating administrative processes, monitoring, and reporting for all system users..

Keywords: Field Work Practice, Information System, Vocational High School, RAD, Laravel.