Abstract

The Periodic Salary Increase Service at the Regional Civil Service and Human Resource Development Agency (BKPSDM) of Boalemo Regency was previously conducted on a semi-manual basis, resulting in suboptimal processes for application submission, document verification, and information dissemination to civil servants. This study aimed to design and develop a web-based Periodic Salary Increase Information System that provides real-time notifications to civil servants and government employees with work agreements at BKPSDM Boalemo Regency. The Rapid Application Development (RAD) method was employed, encompassing requirements planning, design workshops, and implementation stages. The system was developed using CodeIgniter 4 and MySQL, and its functionality was evaluated through Black Box Testing. The results indicated successful development of the system, which includes features such as online application submission, document verification, status monitoring, decree generation, WhatsApp-based real-time notifications, and Two-Factor Authentication (2FA) security. Testing confirmed that all system functions operated as required. The system demonstrates the potential to enhance the digitalization and integration of administrative services for periodic salary increases.

Keywords: *periodic salary increase; information system; civil servants; Rapid Application Development; real-time notification*

Abstrak

Pelayanan Kenaikan Gaji Berkala (KGB) pada BKPSDM Kabupaten Boalemo masih dilakukan secara semi manual sehingga proses pengajuan, verifikasi dokumen, dan penyampaian informasi kepada ASN belum berjalan secara optimal. Penelitian ini bertujuan merancang dan membangun Sistem Informasi Kenaikan Gaji Berkala berbasis web dengan fitur notifikasi real-time untuk ASN PNS dan PPPK pada BKPSDM Kabupaten Boalemo. Metode yang digunakan adalah Rapid Application Development (RAD) yang meliputi tahap perencanaan kebutuhan, workshop desain, dan implementasi. Sistem dikembangkan menggunakan CodeIgniter 4 dan MySQL serta diuji menggunakan Black Box Testing. Hasil penelitian menunjukkan bahwa sistem berhasil dibangun dengan fitur pengajuan KGB online, verifikasi dokumen, monitoring status, generate Surat Keputusan (SK), notifikasi real-time berbasis WhatsApp, dan keamanan Two Factor Authentication (2FA). Hasil pengujian menunjukkan bahwa setiap fungsi sistem beroperasi sebagaimana mestinya.. Sistem ini berpotensi mendukung digitalisasi layanan administrasi KGB secara lebih terintegrasi dan efektif.

Kata Kunci: Kenaikan Gaji Berkala, Sistem Informasi, ASN, RAD, Notifikasi Real-Time.