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SISTEM INFORMASI MANAJEMEN PENGGAJIAN BERBASIS WEB PADA GALLANT TUTORING CENTER. Dibawah bimbingan Ibu Amanah, M.Kom. dan Bapak Bambang Ismanto, M.Kom. 172 + xvii halaman / 156 gambar / 39 tabel / 34 daftar Pustaka (2021 – 2025)

ABSTRAK

Pengelolaan penggajian tutor di Gallant Tutoring Center (GTC) saat ini masih dilakukan secara konvensional menggunakan media penyimpanan berkas terpisah (spreadsheet). Mekanisme ini mengakibatkan inefisiensi waktu rekapitulasi, tingginya risiko kesalahan hitung (human error), serta kurangnya transparansi informasi gaji bagi tutor. Penelitian ini bertujuan merancang dan membangun sistem informasi manajemen penggajian berbasis web untuk mengatasi permasalahan tersebut. Sistem dikembangkan menggunakan framework Laravel dengan pendekatan metode pengembangan perangkat lunak terstruktur. Pengujian sistem dilakukan secara komprehensif melalui White Box Testing menggunakan Basis Path Analysis, Black Box Testing untuk validasi fungsional, dan User Acceptance Testing (UAT) melalui wawancara pengguna. Hasil penelitian menunjukkan bahwa sistem mampu mengotomatisasi proses validasi presensi dan perhitungan honor secara akurat. Pengujian struktur logika menghasilkan nilai kompleksitas valid, dan pengujian fungsional berjalan sesuai spesifikasi kebutuhan. Berdasarkan hasil UAT, sistem terbukti efektif meningkatkan efisiensi operasional admin dalam memproses gaji serta memberikan transparansi data kepada tutor melalui fitur unduh slip gaji mandiri. Penelitian ini menyimpulkan bahwa digitalisasi sistem penggajian berhasil meminimalisir kesalahan administrasi dan disarankan adanya pengembangan fitur notifikasi otomatis serta integrasi pembayaran digital di masa mendatang.

Kata Kunci : *Sistem Informasi Penggajian, Web, Laravel, White Box Testing, Efisiensi Operasional.*

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ABSTRACT

The payroll management at Gallant Tutoring Center (GTC) is currently conducted conventionally using separate file storage (spreadsheets). This mechanism leads to time inefficiency in recapitulation, a high risk of calculation errors (human error), and a lack of salary transparency for tutors. This study aims to design and build a web-based payroll management system to address these issues. The system was developed using the Laravel framework with a structured software development approach. System testing was conducted comprehensively through White Box Testing using Basis Path Analysis, Black Box Testing for functional validation, and User Acceptance Testing (UAT) through user interviews. The results show that the system is capable of accurately automating attendance validation and salary calculation processes. Logical structure testing resulted in a valid complexity value, and functional testing operated according to requirement specifications. Based on UAT results, the system is proven effective in improving admin operational efficiency in processing payroll and providing data transparency to tutors through self-service payslip download features. This study concludes that the digitization of the payroll system successfully minimizes administrative errors, and future developments regarding automated notifications and digital payment integration are suggested.

Keywords: *Payroll Information System, Web, Laravel, White Box Testing, Operational Efficiency*