RANCANG BANGUN SISTEM INFORMASI PENGUPAHAN BERBASIS WEB PADA PT AMANAH JAYA MANDIRI

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ABSTRAK

PT Amanah Jaya Mandiri masih melakukan proses pengupahan karyawan secara manual menggunakan Google Spreadsheet dan kupon kerja tiga rangkap sehingga berpotensi menimbulkan kesalahan pencatatan, keterlambatan perhitungan upah, serta kesulitan dalam penyusunan laporan. Penelitian ini bertujuan untuk merancang dan membangun sistem informasi pengupahan berbasis web yang dapat mengotomatisasi proses pengelolaan data hasil kerja, perhitungan upah, pencatatan kasbon, dan pembuatan laporan pengupahan. Metode pengembangan sistem yang digunakan adalah *Software Development Life Cycle* (SDLC) dengan model Waterfall yang meliputi tahapan *communication*, *planning*, *modelling*, *construction*, dan *deployment*. Sistem dikembangkan menggunakan framework Laravel, bahasa pemrograman PHP, serta basis data MySQL, sedangkan pengujian dilakukan menggunakan *Black Box Testing* dan *User Acceptance Testing*. Hasil penelitian berupa sistem informasi pengupahan berbasis web yang mampu mengelola data karyawan, jenis pekerjaan, order produksi, distribusi batch, hasil kerja, kasbon, perhitungan upah otomatis, serta menghasilkan laporan pengupahan mingguan dan bulanan. Sistem yang dibangun diharapkan dapat meningkatkan efisiensi proses administrasi pengupahan, meminimalkan kesalahan perhitungan, meningkatkan transparansi informasi upah, serta mempermudah pihak manajemen dalam melakukan pengawasan dan pengambilan keputusan.

Kata Kunci : Laravel, Pengupahan, Sistem Informasi, Waterfall, *Website*.

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ABSTRACT

PT Amanah Jaya Mandiri still manages its employee wage administration manually using Google Spreadsheets and three-copy work coupons, resulting in recording errors, delays in wage calculation, and difficulties in preparing payroll reports. This study aims to design and develop a web-based payroll information system to automate employee work records, wage calculations, cash advance management, and payroll reporting. The system was developed using the Software Development Life Cycle (SDLC) with the Waterfall model, consisting of the communication, planning, modeling, construction, and deployment phases. The application was built using the Laravel framework, PHP programming language, and MySQL database, while system functionality was evaluated using Black Box Testing. The result of this study is a web-based payroll information system capable of managing employee data, job categories, production orders, work batch distribution, work results, cash advances, automatic payroll calculations, and weekly and monthly payroll reports. The developed system is expected to improve the efficiency of payroll administration, reduce calculation errors, enhance payroll transparency, and support management in monitoring employee performance and making better operational decisions.

Keyword : Information System, Laravel, Payroll, Waterfall, Web-Based System.