

ABSTRAK

Pelaporan kinerja RT/RW di Kecamatan Ilir Barat 1 Palembang masih dilakukan secara manual menggunakan formulir fisik sehingga menimbulkan berbagai permasalahan, seperti penumpukan berkas, kesulitan *monitoring*, serta proses validasi, penilaian, dan penentuan insentif yang belum terintegrasi. Penelitian ini bertujuan untuk merancang dan membangun Aplikasi Pelaporan Kinerja RT/RW untuk Menentukan Insentif Berbasis *Website* di Kecamatan Ilir Barat 1 Palembang. Metode pengembangan sistem yang digunakan adalah Waterfall yang meliputi tahapan analisis kebutuhan, perancangan, implementasi, pengujian, dan *maintenance*. Sistem dibangun menggunakan *framework* Laravel, bahasa pemrograman PHP, dan *database* MySQL. Hasil penelitian menunjukkan bahwa aplikasi yang dibangun mampu mengintegrasikan proses pelaporan kinerja RT/RW, validasi laporan oleh Kepala Seksi Pemberdayaan Masyarakat, Kepala Seksi Pemerintahan, dan Lurah, proses penilaian, rekapitulasi hasil penilaian, serta perhitungan dan penentuan kategori insentif secara otomatis dalam satu sistem berbasis *website*. Selain itu, sistem menyediakan fitur *monitoring* dan progres laporan, pengelolaan data pengguna dan wilayah, arsip digital, serta pembuatan dokumen dalam format PDF. Berdasarkan hasil pengujian menggunakan metode *Black Box Testing*, seluruh fungsi utama sistem berjalan sesuai dengan kebutuhan pengguna. Dengan adanya aplikasi ini, proses pelaporan, validasi, penilaian, dan penentuan insentif RT/RW dapat dilakukan secara lebih efektif, efisien, transparan, akurat, dan terstruktur.

Kata Kunci: pelaporan kinerja, RT/RW, insentif, *website*, Laravel, *Waterfall*.

ABSTRACT

The performance reporting process of RT/RW in Ilir Barat 1 District, Palembang, is still carried out manually using paper-based forms, resulting in several problems such as document accumulation, difficulties in monitoring, and the lack of an integrated validation, performance evaluation, and incentive determination process. This study aims to design and develop a Web-Based RT/RW Performance Reporting Application for Incentive Determination in Ilir Barat 1 District, Palembang. The system was developed using the Waterfall software development method, which consists of the requirements analysis, design, implementation, testing, and maintenance phases. The application was developed using the Laravel framework, PHP programming language, and MySQL database. The results show that the developed application is capable of integrating the RT/RW performance reporting process, report validation conducted by the Head of Community Empowerment Section, Head of Government Affairs Section, and Village Head, performance evaluation, evaluation recap, as well as the automatic calculation and categorization of incentives within a single web-based system. In addition, the application provides features for monitoring and tracking report progress, user and regional data management, digital archiving, and PDF document generation. Based on Black Box Testing, all major system functions operated according to the specified user requirements. Therefore, the application improves the effectiveness, efficiency, transparency, accuracy, and organization of the RT/RW performance reporting, validation, evaluation, and incentive determination processes.

Keywords: performance reporting, RT/RW, incentive, website, Laravel, Waterfall.