

ABSTRAK

Monitoring dan evaluasi kinerja merupakan bagian penting dalam tata kelola pemerintahan yang efektif, terutama dalam memastikan program kerja instansi berjalan sesuai target yang telah ditetapkan. Namun, proses pelaporan dan monitoring program kinerja di Dinas Perumahan dan Kawasan Permukiman Provinsi Sumatera Selatan masih melalui nota dinas, dokumen fisik, dan rekapitulasi *spreadsheet*, sehingga data tidak terintegrasi dan menyulitkan proses evaluasi kinerja. Penelitian ini bertujuan membangun sistem monitoring program kinerja berbasis web yang menerapkan metode *Earned Value Management* (EVM) untuk mengukur capaian kinerja berdasarkan target dan realisasi secara bulanan. Sistem dikembangkan menggunakan metode *Rational Unified Process* (RUP) dan divisualisasikan dengan *Traffic Light System* (TLS) untuk menampilkan tingkat capaian kinerja secara intuitif melalui kategori warna. Hasil pengujian menggunakan *Black-Box Testing* terhadap 16 skenario menunjukkan bahwa seluruh fungsi sistem berjalan sesuai kebutuhan. Sistem mampu mengintegrasikan proses pelaporan, mengkalkulasi realisasi kinerja secara otomatis melalui komponen EVM, serta menyajikan informasi monitoring yang lebih cepat, terstruktur, dan objektif sebagai dasar pemberian arahan bagi pimpinan.

Kata Kunci: Monitoring Kinerja, *Earned Value Management* (EVM), *Traffic Light System* (TLS), *Rational Unified Process* (RUP).

ABSTRACT

Performance monitoring and evaluation are crucial for effective governance, particularly in ensuring that agency work programs meet established targets. However, the reporting and monitoring of performance programs at the South Sumatra Provincial Housing and Settlement Agency still relies on official memos, physical documents, and spreadsheet recaps, resulting in unintegrated data and complicating performance evaluation. This research aims to develop a web-based performance program monitoring system that implements the Earned Value Management (EVM) method to measure performance achievements based on targets and realizations on a monthly basis. The system was developed using the Rational Unified Process (RUP) method and visualized with the Traffic Light System (TLS) to intuitively display performance achievement levels through color categories. Black-Box testing results across 16 scenarios demonstrated that all system functions functioned as required. The system is capable of integrating reporting processes, automatically calculating performance realizations through the EVM component, and presenting faster, more structured, and objective monitoring information as a basis for providing direction to leaders.

Keywords: Performance Monitoring, Earned Value Management (EVM), Traffic Light System (TLS), Rational Unified Process (RUP).