

ABSTRAK

PT. Kokamandiri Sukses Bersama merupakan perusahaan outsourcing yang masih mengelola data ketersediaan dan distribusi tenaga kerja menggunakan Microsoft Excel sehingga data belum terintegrasi dan berpotensi menimbulkan keterlambatan informasi. Penelitian ini bertujuan membangun aplikasi *monitoring* ketersediaan dan distribusi tenaga kerja berbasis *website* untuk membantu pengelolaan data secara terpusat dan *real-time*. Pengembangan sistem menggunakan metode *Waterfall* dengan tahapan analisis kebutuhan, perancangan, implementasi, pengujian, dan pemeliharaan. Data penelitian diperoleh melalui observasi, wawancara, dokumentasi, dan studi literatur. Hasil penelitian menunjukkan bahwa aplikasi berhasil dikembangkan dengan fitur *Login*, pengelolaan data tenaga kerja, *monitoring* ketersediaan, distribusi tenaga kerja, dan laporan. Berdasarkan pengujian *black box testing*, seluruh fitur berjalan sesuai dengan kebutuhan pengguna. Sistem yang dibangun mampu meningkatkan efisiensi pengelolaan data, mempercepat proses *monitoring*, meningkatkan akurasi informasi, serta mendukung pengambilan keputusan manajerial secara lebih efektif.

Kata Kunci: *monitoring*, distribusi tenaga kerja, ketersediaan tenaga kerja, *website*, *waterfall*.

ABSTRACT

PT. Kokamandiri Sukses Bersama is an outsourcing company that still manages workforce availability and distribution data using Microsoft Excel, resulting in unintegrated data management and potential delays in information processing. This study aims to develop a web-based workforce availability and distribution monitoring application to support centralized and real-time data management. The system was developed using the Waterfall method, which consists of requirements analysis, system design, implementation, testing, and maintenance stages. Research data were collected through observation, interviews, documentation, and literature studies. The results show that the application was successfully developed with features including user *Login*, workforce data management, workforce availability monitoring, workforce distribution management, and reporting. Based on Black Box Testing, all system features functioned according to user requirements. The developed system is able to improve data management efficiency, accelerate the monitoring process, enhance information accuracy, and support more effective managerial decision-making.

Keywords: monitoring, workforce distribution, workforce availability, website, waterfall.