

ABSTRAK

Bagas Surya Eka Prasetya. 2026. Pengembangan Sistem Informasi *E-Raport* Penilaian Kinerja Karyawan Berbasis Web Menggunakan Metode *Agile* (Studi Kasus: Pt Jasa Marga Tol Road Operator). Program Studi Teknik Informatika, Fakultas Teknik, Universitas PGRI Madiun. Pembimbing (I) Alim Citra Aria Bima, S.Pd., M.Kom.. Pembimbing (II) Muh Nur Luthfi Azis, S.Kom., M.Kom

PT Jasa Marga *Toll Road Operator* Area Ngawi–Kertosono–Kediri masih melaksanakan proses penilaian kinerja karyawan menggunakan Google Form dan *Microsoft Excel* sehingga data belum terintegrasi, proses rekapitulasi memerlukan waktu yang cukup lama, serta hasil penilaian masih menggunakan metode rata-rata sederhana yang belum mempertimbangkan tingkat kepentingan setiap indikator. Penelitian ini bertujuan mengembangkan Sistem Informasi *E-Raport* Penilaian Kinerja Karyawan berbasis web untuk meningkatkan efektivitas pengelolaan data, objektivitas penilaian, serta penyajian informasi kinerja. Metode pengembangan sistem yang digunakan adalah *Agile*. Pengumpulan data dilakukan melalui observasi, wawancara, dan studi pustaka. Sistem dikembangkan menggunakan *Laravel* dan *MySQL* dengan perancangan menggunakan *Unified Modeling Language* (UML), serta diuji menggunakan *Black Box Testing* dan *User Acceptance Testing* (UAT). Hasil penelitian menunjukkan bahwa sistem mampu mengelola data karyawan, proses penilaian, pengaturan bobot indikator menggunakan metode rata-rata berbobot, visualisasi hasil penilaian, serta ekspor laporan ke Microsoft Excel secara terintegrasi. Hasil pengujian menunjukkan seluruh fitur sistem berfungsi sesuai kebutuhan dan memperoleh tingkat penerimaan pengguna dengan kategori Sangat Baik, sehingga sistem mampu meningkatkan efektivitas, efisiensi, dan objektivitas proses penilaian kinerja karyawan.

Kata kunci: Sistem Informasi Manajemen, *Website*, *Waterfall*, *PHP Native*, *MySQL*, *Black Box Testing*, *System Usability Scale* (SUS).

ABSTRACT

Bagas Surya Eka Prasectia. 2026. *Development of a Web-Based Employee Performance E-Report Information System Using the Agile Method* (Case Study: PT Jasa Marga Toll Road Operator Area Ngawi–Kertosono–Kediri). *Undergraduate Thesis, Informatics Engineering Study Program, Faculty of Engineering, Universitas PGRI Madiun. Advisor (I) Alim Citra Aria Bima, S.Pd., M.Kom. Advisor (II) Muh Nur Luthfi Azis, S.Kom., M.Kom.*

Sedulur Bicycle Shop currently manages data regarding products, transactions, inventory, finances, and reports through manual record-keeping and calculations, without the use of a computer-based information system. These processes frequently result in recording errors, data duplication, and delays in report generation. This research aims to design and develop a web-based Management Information System to enhance the effectiveness and efficiency of data management. The Waterfall model was employed as the system development methodology. Data collection was conducted through observation, interviews, and a literature review. The system was developed using native PHP and MySQL, designed with Data Flow Diagrams (DFD) and Entity-Relationship Diagrams (ERD), and evaluated using Black Box Testing and the System Usability Scale (SUS). The results indicate that the system is capable of managing product, inventory, transaction, user, and report data in an integrated manner, thereby accelerating workflows, reducing recording errors, and improving the effectiveness, efficiency, and accuracy of data management..

Keywords: Management Information System, Website, Waterfall, Native PHP, MySQL, Black Box Testing, System Usability Scale (SUS).