

ABSTRAK

Mawarni, Listria I. 2026. Rancang Bangun Sistem Informasi Absensi dan Penggajian Berbasis *Website* di Mie Tjahaya Madiun. Skripsi. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Sekreningsih Nita, S.Kom., M.T. (II) Yoga Prisma Yuda, S.Kom., M.Kom.

Mie Tjahaya Madiun merupakan usaha kuliner yang masih melakukan proses absensi dan penggajian karyawan secara manual melalui media *WhatsApp*. Proses tersebut menyebabkan kesulitan dalam rekapitulasi data kehadiran, risiko kesalahan perhitungan gaji, serta keterlambatan dalam penyusunan laporan. Penelitian ini bertujuan untuk mengembangkan Sistem Informasi Absensi dan Penggajian Berbasis *Website* menggunakan metode *Prototype*, merancang model sistem menggunakan *Unified Modeling Language* (UML), serta mengetahui hasil pengujian sistem menggunakan metode *Blackbox Testing* dan *System Usability Scale* (SUS). Metode penelitian yang digunakan adalah *Prototype* dengan tahapan komunikasi, perencanaan cepat, perancangan, pembangunan, evaluasi, dan implementasi sistem. Sistem dikembangkan menggunakan *framework Laravel* dan *database MySQL*, sedangkan perancangan sistem menggunakan *Use Case Diagram*, *Activity Diagram*, *Sequence Diagram*, dan *Class Diagram*. Hasil penelitian menunjukkan bahwa sistem berhasil dikembangkan sesuai dengan kebutuhan operasional Mie Tjahaya Madiun, meliputi fitur *login*, absensi berbasis foto *selfie* dan GPS, pengajuan izin, pengelolaan data karyawan, penggajian otomatis, serta laporan absensi dan penggajian. Pengujian *Blackbox Testing* menunjukkan seluruh fungsi sistem berjalan sesuai kebutuhan, sedangkan pengujian SUS memperoleh skor rata-rata 74,0 yang termasuk kategori *Acceptable*, *Grade Scale C*, dan *Adjective Rating Good*. Berdasarkan hasil tersebut, dapat disimpulkan bahwa sistem memiliki tingkat *usability* yang baik dan layak digunakan untuk mendukung proses absensi dan penggajian di Mie Tjahaya Madiun.

Kata Kunci: Sistem Informasi, Absensi, Penggajian, *Website*, *Prototype*, UML, *Blackbox Testing*, *System Usability Scale* (SUS).

ABSTRACT

Mawarni, Listria I. 2026. *Design and Construction of a Website-Based Attendance and Payroll Information System at Mie Tjahaya Madiun. Thesis. Informatics Engineering Study Program, Faculty of Engineering, Universitas PGRI Madiun. Advisors (I) Sekreningsih Nita, S.Kom., M.T. (II) Yoga Prisma Yuda, S.Kom., M.Kom.*

Mie Tjahaya Madiun is a culinary business that still manages employee attendance and payroll manually through WhatsApp. This process causes several problems, including difficulties in attendance data recapitulation, the risk of payroll calculation errors, and delays in report preparation. This study aims to develop a web-based Attendance and Payroll Information System using the Prototype method, design the system model using Unified Modeling Language (UML), and evaluate the system through Blackbox Testing and the System Usability Scale (SUS). The research method employed was the Prototype development model, consisting of communication, quick planning, prototype design, prototype construction, evaluation, and system implementation. The system was developed using the Laravel framework and MySQL database, while the system design utilized Use Case Diagrams, Activity Diagrams, Sequence Diagrams, and Class Diagrams. The results indicate that the developed system meets the operational needs of Mie Tjahaya Madiun by providing features such as login, selfie and GPS-based attendance, leave requests, user management, automatic payroll calculation, and attendance and payroll reports. Blackbox Testing showed that all system functions operated as expected, while the SUS evaluation produced an average score of 74.0, which falls into the Acceptable category, receives a Grade Scale C, and is classified as Good based on the adjective rating. It can be concluded that the system has good usability and is suitable for supporting attendance and payroll management at Mie Tjahaya Madiun.

Keywords: Information System, Attendance, Payroll, Website, Prototype, UML, Blackbox Testing, System Usability Scale (SUS).

