

MUHAMMAD HASAN ALBANA, 21.230.0075

SISTEM INFORMASI LAUNDRY BERBASIS WEBSITE DENGAN FITUR
TRACKING PROGRESS

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ABSTRAK

Orange Laundry merupakan usaha yang bergerak di bidang jasa cuci pakaian, tetapi masih menghadapi kendala dalam pencatatan data pelanggan, transaksi, dan pelacakan status cucian, yang dilakukan secara manual. Hal ini menyebabkan ketidakakuratan data, keterlambatan informasi kepada pelanggan, dan rendahnya efisiensi operasional. Untuk mengatasi masalah tersebut, dirancang dan dikembangkan sistem informasi laundry berbasis website dengan fitur pelacakan status cucian secara real-time menggunakan metode Waterfall. Sistem ini mencakup fitur utama seperti manajemen data pelanggan, pengelolaan layanan, pengelolaan transaksi, dan pelacakan status cucian. Pengembangan dilakukan melalui tahapan analisis kebutuhan, perencanaan, perancangan menggunakan Unified Modeling Language (UML), implementasi menggunakan PHP dengan framework CodeIgniter 4 dan database MySQL, serta pengujian menggunakan metode White Box Testing, Black Box Testing, dan User Acceptance Test (UAT). Kesimpulan dari penelitian ini adalah terwujudnya Sistem Informasi Laundry Berbasis Website dengan Fitur Tracking Progres yang dirancang untuk memenuhi kebutuhan operasional Orange Laundry disertai saran yang diajukan yaitu perlu dilengkapi dengan integrasi metode pembayaran online, seperti e-wallet atau transfer bank otomatis, untuk mempermudah pelanggan dalam melakukan transaksi.

Kata kunci: Sistem Informasi, Laundry, Website, Tracking

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WEB-BASED LAUNDRY INFORMATION SYSTEM WITH TRACKING
PROGRESS FEATURE

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ABSTRACT

Orange Laundry is a business engaged in clothing washing services, but it faces challenges in customer data recording, transaction management, and laundry status tracking, which are still conducted manually. These issues lead to data inaccuracies, delays in providing information to customers, and low operational efficiency. To address these problems, a web-based laundry information system with a real-time tracking feature was designed and developed using the Waterfall method. The system includes key features such as customer data management, service management, transaction handling, and real-time laundry status tracking. The development process involved requirements analysis, planning, designing with Unified Modeling Language (UML), implementing with PHP using the CodeIgniter 4 framework and MySQL database, and testing with White Box Testing, Black Box Testing, and User Acceptance Test (UAT). The conclusion of this research is the development of a Website-Based Laundry Information System with Progress Tracking Features designed to meet the operational needs of Orange Laundry. It is also suggested to integrate the system with online payment methods, such as e-wallets or automatic bank transfers, to simplify transactions for customers.

Keywords: Information System, Laundry, Website, Tracking