

SISTEM INVENTARIS DAN PROMOSI TOKO BAJU LOVE LACE GIANYAR

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ABSTRAK

Penelitian ini bertujuan untuk merancang dan mengimplementasikan sistem inventaris dan promosi berbasis web pada Toko Baju Love Lace Gianyar guna mendukung pengelolaan stok dan promosi secara digital. Pengembangan menggunakan metode Waterfall dengan tahapan analisis kebutuhan, perancangan, implementasi, verifikasi, dan pemeliharaan. Sistem dirancang melalui pembuatan diagram use case diagram, activity diagram, sequence diagram, ERD, arsitektur sistem, serta wireframe antarmuka, dan dibangun menggunakan Laravel, MySQL, InertiaJs, dan ReactJs. Pengujian sistem dilakukan menggunakan metode Blackbox Testing dan User Acceptance Test (UAT). Hasil pengujian Blackbox menunjukkan bahwa seluruh fungsi utama sistem berjalan sesuai dengan kebutuhan yang telah ditentukan. Sementara itu, hasil UAT yang melibatkan pengguna umum, pegawai, dan admin menunjukkan bahwa sistem memperoleh tingkat penerimaan pengguna sebesar 92,6%, yang menandakan bahwa sistem dinilai mudah digunakan, membantu proses pengelolaan stok, serta efektif dalam mendukung pengelolaan promosi. Berdasarkan hasil pengujian tersebut, sistem dapat dinyatakan layak untuk digunakan dan diimplementasikan, meskipun masih diperlukan beberapa pengembangan lanjutan, khususnya pada pengelolaan data stok dalam jumlah besar serta penambahan fitur seperti peringatan stok minimum dan penjadwalan promosi otomatis guna meningkatkan efisiensi operasional di masa mendatang.

Kata Kunci: Sistem inventaris, promosi, *Laravel*, *ReactJs*, *Waterfall*

INVENTORY AND PROMOTION SYSTEM OF LOVE LACE GIANYAR CLOTHING STORE

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ABSTRACT

This study aims to design and implement a web-based inventory and promotion system at Love Lace Gianyar Clothing Store to support digital stock management and promotion. Development uses the Waterfall method with stages of requirements analysis, design, implementation, verification, and maintenance. The system was designed through the creation of use case diagrams, activity diagrams, sequence diagrams, ERDs, system architecture, and interface wireframes, and was built using Laravel, MySQL, InertiaJs, and ReactJs. System testing was carried out using the Blackbox Testing and User Acceptance Test (UAT) methods. The Blackbox test results showed that all the main functions of the system ran according to the specified requirements. Meanwhile, the UAT results involving general users, employees, and administrators showed that the system obtained a user acceptance rate of 92.6%, indicating that the system was considered easy to use, helpful in the stock management process, and effective in supporting promotion management. Based on these test results, the system can be declared fit for use and implementation, although further development is still needed, particularly in managing large amounts of inventory data and adding features such as minimum stock alerts and automatic promotion scheduling to improve operational efficiency in the future.

Keywords: Inventory system, promotion, Laravel, ReactJs, Waterfall