

PENERAPAN SISTEM RESERVASI MENU BERBASIS WEB  
(Studi Kasus: Coffeeshop Bale'Ombe, Bantul)

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Abstrak

Bale'Ombe merupakan sebuah coffeeshop yang berlokasi di Bantul, Yogyakarta, yang menyajikan berbagai menu makanan dan minuman dengan suasana nyaman serta akses internet gratis. Namun, sistem pemesanan yang masih dilakukan secara konvensional menyebabkan sejumlah permasalahan, seperti kesalahan pencatatan, kehilangan data, dan keterlambatan penyajian pesanan. Penelitian ini bertujuan untuk merancang dan mengimplementasikan sistem informasi reservasi menu berbasis web guna meningkatkan efisiensi operasional dan akurasi data pemesanan. Metode pengembangan yang digunakan adalah waterfall, dengan tahapan analisis, desain, implementasi, pengujian, dan evaluasi. Sistem dikembangkan menggunakan bahasa pemrograman PHP, HTML, CSS, dan JavaScript dengan framework Laravel, serta antarmuka dirancang menggunakan Figma. Fitur utama yang tersedia mencakup pengelolaan menu, pemesanan, konfirmasi pembayaran, pencetakan nota, serta laporan penjualan harian dan bulanan. Hasil pengujian sistem dilakukan menggunakan metode black box dan User Acceptance Test (UAT). Dari 35 skenario pengujian black box, semua target uji dinyatakan valid, sedangkan hasil UAT menunjukkan tingkat penerimaan sebesar 84,89%. Berdasarkan hasil tersebut, sistem ini dinyatakan layak untuk digunakan dan mampu mengatasi permasalahan yang sebelumnya terjadi di Bale'Ombe.

**Kata Kunci:** Reservasi Menu, Sistem Informasi, Web, Coffeeshop Bale'Ombe, Laravel

# **APPLICATION OF WEB-BASED MENU RESERVATION SYSTEM**

**(Case Study: Coffeeshop Bale'Ombe, Bantul)**

## **ABSTRACT**

Bale'Ombe is a coffee shop located in Bantul, Yogyakarta, offering a diverse selection of food and beverages in a comfortable atmosphere, complete with free internet access. However, the traditional ordering system has resulted in several issues, including recording errors, data loss, and delays in order fulfillment. This research aims to design and implement a web-based menu reservation information system to enhance operational efficiency and improve the accuracy of order data. The development methodology employed is the waterfall model, which includes the stages of analysis, design, implementation, testing, and evaluation. The system was developed using PHP, HTML, CSS, and JavaScript within the Laravel framework, and the interface was designed using Figma. Key features include menu management, ordering, payment confirmation, receipt printing, and daily and monthly sales reports. System testing was conducted using black box testing and User Acceptance Testing (UAT). Out of the 35 black box test scenarios, all test targets were deemed valid, while the UAT results indicated an acceptance rate of 84.89%. Based on these findings, the system was considered feasible and capable of addressing the issues previously encountered at Bale'Ombe.

**Keywords:** Menu Reservation, Information System, Web, Bale'Ombe Coffeeshop, Laravel