

ABSTRAK

Industri kuliner saat ini mengalami perkembangan pesat dengan meningkatnya penggunaan teknologi dalam berbagai aspek operasionalnya, termasuk proses pemesanan makanan. Restoran Wizzmie menghadapi permasalahan dalam proses pemesanan makanan, meliputi antrian panjang yang menyebabkan ketidakefisienan operasional, tingginya kesalahan pencatatan pesanan pada jam sibuk, keterbatasan akses informasi status pesanan dan ketersediaan menu, serta kurangnya personalisasi rekomendasi menu.

Penelitian ini mengusulkan pengembangan sistem pemesanan makanan online berbasis QR Code dengan algoritma hybrid filtering sebagai sistem rekomendasi. Sistem dikembangkan menggunakan metode waterfall dengan bahasa pemrograman Java, framework Springboot, dan database MySQL.

Hasil implementasi menunjukkan sistem berhasil meningkatkan efisiensi operasional melalui otomatisasi proses pemesanan, meningkatkan akurasi pencatatan pesanan dengan sistem digital, memberikan akses cepat terhadap informasi pesanan, serta menyediakan rekomendasi menu yang personal berdasarkan preferensi pelanggan.

Kata Kunci : *QR Code, Sistem Rekomendasi, Hybrid Filtering, Sistem Pemesanan Makanan.*

ABSTRACT

The culinary industry is currently experiencing rapid development with the increasing use of technology in various aspects of its operations, including the food ordering process. Wizzmie Restaurant faces problems in the food ordering process, including long queues that cause operational inefficiencies, high order recording errors during peak hours, limited access to order status information and menu availability, and lack of personalized menu recommendations.

This research proposes the development of a QR Code-based online food ordering system with a hybrid filtering algorithm as a recommendation system. The system was developed using waterfall method with Java programming language, Springboot framework, and MySQL database.

The implementation results show that the system has succeeded in improving operational efficiency through automation of the ordering process, increasing the accuracy of recording orders with a digital system, providing quick access to order information, and providing personalized menu recommendations based on customer preferences.

Keywords: *QR Code, Recommendation System, Hybrid Filtering, Food Ordering System.*