

ABSTRAK

Bryan Abel Maulana, 2025. Rancang Bangun Sistem *Point of Sales* Menggunakan *Framework Laravel 11* (Studi Kasus: *porta fighter roastery* Ngawi). *Skripsi*. Program Studi Teknik Informatika, FT, Universitas PGRI Madiun. Pembimbing (I) Fatim Nugrahanti, S.T., M.T. (II) Pratiwi Susanti, S.Kom., M.MT.

Sistem *Point of Sales* (POS) memiliki peran yang sangat penting dalam operasional bisnis modern dan bertujuan untuk mempermudah pencatatan laporan secara transparan dengan sistem *Point of sales* menggunakan *framework Laravel* studi kasus bertempat di *Cafe Porta Fighter Roastery* Ngawi. *Cafe Porta Fighter Roastery* Ngawi masih menggunakan pendekatan manual. Metode pengembangan sitem yang digunakan menerapkan pendekatan RAD (*Rapid Application Development*). Penelitian ini dimulai dengan menganalisis kebutuhan sistem POS yang sesuai dengan kegiatan operasional di *café porta fighter roastery* Ngawi, termasuk pencatatan pesanan, pencatatan pengeluaran, menghitung stok barang dan mencetak laporan. *Rapid Application Development* (RAD) dipilih sebagai landasan pengembangan karena memiliki struktur yang mudah digunakan. Tujuan merancang dan membangun sistem ini khususnya *Cafe Porta Fighter Roastery* Ngawi dapat dengan mudah pencatatan pesanan, pencatatan pengeluaran, menghitung stok barang, mencetak laporan yang akurat. Setelah sistem selesai dibangun dilakukan pengujian menggunakan metode *blackbox testing* untuk mengevaluasi apakah seluruh fitur berjalan sesuai dengan fungsionalitas yang telah dirancang. Hasil pengujian menunjukkan bahwa sistem POS berfungsi 100% normal tanpa ditemukan kesalahan pada fitur utama. Diharapkan bahwa rancangan dan implementasi sistem POS menggunakan *Framework Laravel* ini memberikan manfaat bagi *Cafe Porta Fighter Roastery* Ngawi dalam meningkatkan pencatatan pesanan, pencatatan pengeluaran, menghitung stok barang dan mencetak laporan. Penelitian ini juga dapat menjadi referensi dan panduan bagi bisnis lain yang tertarik untuk menggunakan sistem POS dengan menggunakan *Framework Laravel*.

Kata Kunci: Sistem *Point of Sales*, *Framework Laravel*, *Cafe Porta Fighter Roastery*, Pencatatan Pesanan, Stok Barang.

ABSTRACT

Bryan Abel Maulana, 2025. Design and Development of a Point of Sales System Using Laravel 11 Framework (Case Study: Porta Fighter Roastery Ngawi). Thesis. Department of Informatics Engineering, Faculty of Technology, PGRI Madiun University. Supervisor (I) Fatim Nugrahanti, S.T., M.T. (II) Pratiwi Susanti, S.Kom., M.MT.

The Point of Sales (POS) system plays a very important role in modern business operations and aims to facilitate the transparent recording of reports with the Point of Sales system using the Laravel framework in a case study located at Cafe Porta Fighter Roastery Ngawi. Cafe Porta Fighter Roastery Ngawi is still using a manual approach. The system development method employed applies a RAD (Rapid Application Development) approach. This research begins with analyzing the needs of the POS system that fits the operational activities at Cafe Porta Fighter Roastery Ngawi, including order recording, expense recording, inventory calculation, and report printing. Rapid Application Development (RAD) is chosen as the development foundation due to its user-friendly structure. The goal of designing and building this system, especially for Cafe Porta Fighter Roastery Ngawi, is to facilitate easy order recording, expense recording, inventory calculation, and accurate report printing. After the system was completed, testing was conducted using the black box testing method to evaluate whether all features function as designed. The test results show that the POS system operates 100% normally with no errors found in the main features. It is hoped that the design and implementation of the POS system using the Laravel Framework will benefit Cafe Porta Fighter Roastery Ngawi in improving order recording, expense recording, stock counting, and report printing. This research can also serve as a reference and guide for other businesses interested in using a POS system with the Laravel Framework.

Keywords: Point of Sales System, Laravel Framework, Café Porta Fighter Roastery, order recording, stock management.