

**SISTEM INFORMASI PERSEDIAAN DAN PENJUALAN
OBAT BERBASIS WEB MENGGUNAKAN
FRAMEWORK LARAVEL
(STUDI KASUS: PT MAYANG JAYA FARMA)**

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ABSTRAK

PT Mayang Jaya Farma merupakan perusahaan farmasi di Kota Probolinggo yang masih menggunakan pencatatan manual dalam pengelolaan persediaan dan penjualan obat. Metode tersebut sering menimbulkan permasalahan seperti ketidaktepatan data stok, keterlambatan pembaruan informasi, dan potensi human error. Penelitian ini bertujuan untuk membangun Sistem Informasi Persediaan dan Penjualan Obat berbasis web guna meningkatkan kinerja operasional. Pengembangan sistem menggunakan metode *Waterfall* yang mencakup tahapan analisis, perancangan, implementasi, pengujian, dan pemeliharaan. *Framework Laravel* digunakan karena mendukung keamanan, skalabilitas, dan kemudahan pengelolaan data. Sistem dilengkapi fitur manajemen stok, transaksi penjualan, laporan, serta hak akses pengguna. Hasil pengujian dengan metode *Black Box* menunjukkan bahwa seluruh fungsi sistem berjalan sesuai kebutuhan tanpa kendala berarti. Selain itu, pengujian *User Acceptance Test* (UAT) terhadap empat role pengguna juga menunjukkan tingkat kepuasan yang tinggi, yaitu Admin sebesar 82%, Kasir 84%, Apoteker 84%, dan Karyawan 84%. Berdasarkan hasil tersebut, sistem ini dinilai layak digunakan dan mampu membantu PT Mayang Jaya Farma dalam mengelola persediaan dan penjualan obat secara lebih terstruktur, dan terkontrol.

Kata Kunci : Sistem Informasi, Persediaan Obat, Penjualan Obat, Laravel, Waterfall

**WEB-BASED DRUG INVENTORY AND SALES INFORMATION
SYSTEM USING THE LARAVEL FRAMEWORK
(CASE STUDY: PT MAYANG JAYA FARMA)**

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ABSTRACT

PT Mayang Jaya Farma is a pharmaceutical company located in Probolinggo City that still relies on manual record-keeping for managing drug inventory and sales. This method often leads to issues such as inaccurate stock data, delays in information updates, and potential human errors. This study aims to develop a web-based Drug Inventory and Sales Information System to improve operational performance. The system development follows the Waterfall method, which includes the stages of analysis, design, implementation, testing, and maintenance. The Laravel framework was chosen for its support of security, scalability, and ease of data management. The system is equipped with features such as stock management, sales transactions, reporting, and user access control. The results of Black Box testing show that all system functions operate according to requirements without significant issues. In addition, the User Acceptance Test (UAT) conducted on four user roles also shows a high level of satisfaction: Admin at 82%, Cashier at 84%, Pharmacist at 84%, and Staff at 84%. Based on these results, the system is considered feasible for use and capable of assisting PT Mayang Jaya Farma in managing drug inventory and sales in a more structured and controlled manner.

Keywords : *Information System, Drug Inventory, Drug Sales, Laravel, Waterfall*