ABSTRAK

Penelitian ini dilatarbelakangi oleh proses penjualan pada Toko Bangunan Dalil Profil yang masih dilakukan secara manual sehingga kurang efisien, berisiko terjadi kesalahan pencatatan, dan menyulitkan pengelolaan stok serta laporan penjualan. Penelitian ini bertujuan membangun Sistem Informasi Penjualan (Point of Sale) berbasis web dengan fitur pemindaian *barcode* menggunakan kamera untuk mempercepat identifikasi barang dan transaksi. Metode pengembangan yang digunakan adalah Waterfall, dengan perancangan UML dan implementasi menggunakan Laravel, PHP, MySQL, Bootstrap, serta library HTML5-QRCode. Pengujian dilakukan menggunakan Black Box Testing. Hasil penelitian menunjukkan bahwa sistem mampu mengelola data pengguna, kategori, barang, stok, transaksi, dan laporan secara terkomputerisasi. Sistem juga dapat menghasilkan bukti transaksi, laporan penjualan dan stok, serta informasi barang laku dan kurang laku. Pemindaian *barcode* melalui kamera membantu mempercepat transaksi dan mengurangi kesalahan input. Berdasarkan hasil pengujian, sistem berjalan sesuai kebutuhan dan layak digunakan untuk mendukung operasional Toko Bangunan Dalil Profil.

Kata kunci: Sistem Informasi Penjualan, Point of Sale, *Barcode*, Kamera, Laravel.

ABSTRACT

This research was motivated by the sales process at Dalil Profil Building Store, which is still carried out manually, resulting in inefficiency, a risk of recording errors, and difficulties in managing inventory and sales reports. This study aims to develop a web-based Sales Information System (Point of Sale) with a camera-based barcode scanning feature to accelerate product identification and transactions. The system development method used is the Waterfall method, with system design using UML and implementation using Laravel, PHP, MySQL, Bootstrap, and the HTML5-QRCode library. System testing was conducted using Black Box Testing. The results show that the system is capable of managing user data, categories, products, inventory, transactions, and reports in a computerized manner. The system can also generate transaction receipts, sales and inventory reports, as well as information on fast-selling and slow-selling products. Camera-based barcode scanning helps accelerate transactions and reduce input errors. Based on the testing results, the system functions according to requirements and is considered suitable for supporting the operational activities of Dalil Profil Building Store.

Keywords: *Sales Information System, Point of Sale, Barcode, Camera, Laravel.*