PERANCANGAN SISTEM INFORMASI *DASHBOARD MONITORING* PENJUALAN BERBASIS WEB PADA TOKO PAKAIAN MOSAGGY

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ABSTRAK

Perkembangan usaha pada Toko Pakaian Mosaggy menimbulkan kendala dalam pengelolaan data penjualan dan persediaan barang yang masih dilakukan secara manual menggunakan buku kas. Proses ini sering menyebabkan kesalahan pencatatan, keterlambatan penyusunan laporan, kesulitan memantau stok, serta kurangnya informasi visual yang mendukung pengambilan keputusan bisnis. Penelitian ini bertujuan merancang sistem informasi *Dashboard monitoring* penjualan berbasis web yang mampu menyajikan informasi penjualan dan stok secara *real-time* untuk membantu owner memantau perkembangan usaha. Metode pengembangan sistem yang digunakan adalah *Waterfall* dengan tahapan identifikasi masalah, pengumpulan data, analisis kebutuhan menggunakan PIECES, desain sistem menggunakan UML, pembuatan kode program, pengujian *Black Box Testing* dan *User Acceptance Testing*, serta pemeliharaan sistem. Sistem dikembangkan menggunakan *Framework* Laravel, PHP, HTML, CSS, dan MySQL sebagai basis data. Hasil penelitian menunjukkan sistem berhasil dibangun dan mampu menampilkan *Dashboard* interaktif berupa total penjualan, total keuntungan, produk terlaris, preferensi warna dan ukuran, serta perbandingan transaksi grosir dan eceran. Sistem ini juga membantu *owner* memperoleh informasi yang lebih cepat, akurat, terstruktur, dan efisien sehingga proses monitoring penjualan serta pengambilan keputusan bisnis dapat dilakukan secara lebih efektif dan tepat sasaran. Selain itu, pengelolaan stok barang menjadi lebih terorganisir dan mudah dipantau oleh *owner.*

Kata Kunci : Sistem Informasi, *Dashboard Monitoring*, Penjualan, Persediaan Stok, *Waterfall, Website*.

DESIGN AND DEVELOPMENT OF A WEB-BASED SALES MONITORING DASHBOARD INFORMATION SYSTEM FOR MOSAGGY CLOTHING STORE

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ABSTRACT

The growth of Mosaggy Clothing Store has created challenges in managing sales and inventory data, which is still handled manually using cash books. This process often leads to recording errors, delays in report generation, difficulties in monitoring stock levels, and a lack of visual information to support business decision-making. This study aims to design a web-based sales monitoring Dashboard information system capable of presenting real-time sales and inventory information to help the owner monitor business progress. The system development method used is the Waterfall model, comprising the following stages: problem identification, data collection, requirements analysis using PIECES, system design using UML, code development, Black Box Testing and User Acceptance Testing, and system maintenance. The system was developed using the Laravel framework, PHP, HTML, CSS, and MySQL as the database. The results of the study show that the system was successfully built and is capable of displaying an interactive Dashboard showing total sales, total profit, best-selling products, color and size preferences, as well as a comparison of wholesale and retail transactions. This system also helps the owner obtain information more quickly, accurately, and efficiently, allowing for more effective and targeted sales monitoring and business decision-making. Additionally, inventory management becomes more organized and easier for the owner to monitor

Keywords*: Information System, Monitoring Dashboard, Sales, Inventory, Waterfall, Website.*