

ABSTRAK

Pengelolaan stok barang yang efektif dan efisien merupakan aspek penting dalam mendukung kelancaran operasional perusahaan. PT Lima Menara Emas masih menggunakan sistem pencatatan manual dalam pengelolaan persediaan, yang menyebabkan berbagai permasalahan seperti kelebihan atau kekurangan stok, kesalahan pencatatan, serta keterlambatan dalam pemesanan ulang. Untuk mengatasi permasalahan tersebut, dikembangkan aplikasi persediaan material berbasis website dengan menerapkan metode *Economic Order Quantity* (EOQ). Aplikasi ini dirancang untuk mencatat barang masuk dan keluar, menghitung jumlah pemesanan yang optimal, serta memberikan notifikasi saat stok mencapai batas minimum. Sistem dibangun menggunakan metode Agile dengan bahasa pemrograman PHP dan database MySQL. Hasil implementasi menunjukkan bahwa aplikasi ini mampu membantu pencatatan stok secara real-time, mengurangi kesalahan pencatatan, mempercepat penyusunan laporan, serta meningkatkan efisiensi pengelolaan persediaan di PT Lima Menara Emas secara keseluruhan.

Kata Kunci : Aplikasi Persediaan, EOQ, Website, Persediaan, PT Lima Menara Ema

ABSTRACT

Good and efficient stock management is very important in supporting the smooth operation of a company. At PT Lima Menara Emas, the stock recording process is still done manually, so that errors often occur such as shortages or excess goods, and the ordering process is not on time. To overcome this problem, I created a website-based material inventory application by implementing the Economic Order Quantity (EOQ) method. This application is designed to help companies record incoming and outgoing stock, calculate the most efficient order quantity, and provide notifications when stock is running low. System development is carried out using the Agile method and is made with the PHP programming language and MySQL database. The results of implementing this application are quite satisfactory because it can facilitate real-time stock recording, reduce recording errors, and make stock reports faster and more accurate. With this application, it is hoped that PT Lima Menara Emas can manage material stock better, more efficiently, and no longer rely on manual methods.

Keywords: Inventory Application, EOQ, Website, Inventory, PT Lima Menara Emas.