

ABSTRAK

Pengendalian persediaan barang merupakan aspek dalam kegiatan operasional perusahaan dagang. CV Cemerlang Muara Enim menghadapi permasalahan dalam pengelolaan persediaan barang yang masih dilakukan secara manual, sehingga menyebabkan kesulitan pemantauan stok, pencatatan barang masuk dan keluar yang tidak terstruktur, serta ketidakkonsistensian informasi harga barang. Penelitian ini bertujuan untuk merancang sistem pengendalian persediaan barang berbasis *Microsoft Access*, guna meningkatkan efektivitas dan efisiensi pengelolaan persediaan pada CV Cemerlang Muara Enim. Metode yang digunakan adalah *Research and Development* (R&D) dengan model pengembangan ADDIE, dan pengumpulan data dilakukan melalui observasi, wawancara, serta dokumentasi. Sistem yang dirancang membangun *database* yang mencakup tabel login, barang, jenis barang, transaksi, serta *form* dan laporan persediaan menggunakan *Microsoft Access* 2019. Hasil penelitian menunjukkan bahwa sistem yang dirancang mampu meningkatkan efektivitas pengelolaan stok secara otomatis, dan penyajian laporan yang lebih akurat. Penerapan sistem ini diharapkan dapat menjadi solusi digitalisasi pengelolaan persediaan bagi perusahaan dagang skala kecil menengah.

Kata Kunci: *Sistem Pengendalian, Persediaan Barang, Microsoft Access, Research and Development, CV Cemerlang*

ABSTRACT

Inventory control is an important aspect of the operational activities of trading companies. CV Cemerlang Muara Enim faced problems in managing its inventory, which was still carried out manually, resulting in difficulties in monitoring stock, unstructured recording of incoming and outgoing goods, and inconsistent product pricing information. This study aims to design an inventory control system based on Microsoft Access to improve the effectiveness and efficiency of inventory management at CV Cemerlang Muara Enim. The method used is Research and Development (R&D) with the ADDIE development model, and data were collected through observation, interviews, and documentation. The designed system builds a database including login, item, item category, and transaction tables, as well as forms and inventory reports using Microsoft Access 2019. The results show that the designed system is capable of improving inventory management effectiveness through easier transaction recording, automatic stock updates, and more accurate report generation. The implementation of this system is expected to serve as a digitalization solution for inventory management in small and medium-sized trading companies.

Keywords: Control System, Inventory, Microsoft Access, Research And Development, CV Cemerlang