

ABSTRAK

Penelitian ini dilatarbelakangi oleh proses pencatatan persediaan barang pada Toko iPhone Rambang Dangku yang masih dilakukan secara terpisah menggunakan *Microsoft Excel* dan buku catatan, sehingga menimbulkan keterlambatan pembaruan data, risiko kesalahan pencatatan, dan proses penyusunan laporan yang kurang efisien. Tujuan penelitian ini adalah merancang sistem persediaan barang berbasis *Microsoft Access* yang dapat membantu pengelolaan data barang secara lebih cepat, terstruktur, dan akurat. Penelitian menggunakan metode *Research and Development* (R&D) dengan model ADDIE yang meliputi tahap *Analysis*, *Design*, *Development*, *Implementation*, dan *Evaluation*. Hasil penelitian berupa aplikasi persediaan barang yang dilengkapi fitur login, pengelolaan data barang, pencatatan barang masuk dan barang keluar, pembaruan stok otomatis, pencarian data, serta pembuatan laporan persediaan. Pengujian menunjukkan bahwa seluruh fitur utama dapat berjalan sesuai kebutuhan pengguna dan membantu mempercepat proses pencatatan serta penyusunan laporan dibandingkan metode manual sebelumnya. Dengan demikian, sistem yang dirancang dapat meningkatkan efektivitas pengelolaan persediaan barang dan mengurangi risiko kesalahan pencatatan pada Toko iPhone Rambang Dangku.

Kata kunci: Persediaan Barang, Microsoft Access, Sistem Informasi, Toko iPhone Rambang Dangku, ADDIE.

ABSTRACT

This study was motivated by the inventory recording process at iPhone Rambang Dangku Store, which was still carried out separately using Microsoft Excel and manual record books. This condition caused delays in data updates, increased the risk of recording errors, and made inventory reporting less efficient. The purpose of this study was to design an inventory management system based on Microsoft Access to support faster, more structured, and more accurate inventory data management. This study employed the Research and Development (R&D) method using the ADDIE model, which consists of five stages: Analysis, Design, Development, Implementation, and Evaluation. The result of this study is an inventory management application equipped with user login, item data management, incoming and outgoing goods transactions, automatic stock updates, data search features, and inventory report generation. The testing results indicated that all main features functioned properly according to user requirements and helped accelerate the recording and reporting processes compared to the previous manual method. Therefore, the designed system is expected to improve the effectiveness of inventory management and reduce recording errors at iPhone Rambang Dangku Store.

Keywords: Inventory Management, Microsoft Access, Information System, iPhone Rambang Dangku Store, ADDIE.