SISTEM INFORMASI *INVENTORY* BARANG BERBASIS *WEB* MENGGUNAKAN METODE *RAPID APPLICATION DEVELOPMENT* PADA KEVA *STORE* BERINGIN

Rima Putri Sari

ABSTRAK

Berbagai sektor industri semakin memanfaatkan teknologi digital untuk membantu dalam memecahkan berbagai permasalahan. Saat ini Keva *Store* Beringin masih menggunakan *Microsoft Excel* untuk mengelola persediaan barang. Karyawan toko merasa kesulitan untuk menentukan ketersediaan barang secara tepat karena *Excel* tidak dapat melacak stok secara *real-time*. Pencarian dan pembaruan data juga memakan waktu lebih lama, terutama jika ada lebih banyak barang yang harus dikelola. Diperlukan sistem informasi *inventory* berbasis *web* yang terhubung dengan basis data. Pendekatan analisis PIECES dan *Rapid Application Development* digunakan dalam pengembangan sistem ini. Sistem ini diimplementasikan menggunakan basis data MySQL dan dibangun dengan bahasa pemrograman PHP dan *framework* Laravel. Hasil penerapan sistem *inventory* barang yaitu informasi mengenai stok barang dapat tersaji secara *real-time* dan akurat sehingga memudahkan Keva *Store* Beringin dalam mengelola persediaan barang.

Kata Kunci: *Inventory*, Sistem Informasi, *Web*, *Rapid Application Development*

WEB-BASED INVENTORY INFORMATION SYSTEM USING RAPID APPLICATION DEVELOPMENT METHOD AT KEVA STORE BERINGIN

Rima Putri Sari

ABSTRACT

Various industrial sectors are increasingly leveraging digital technology to address a range of challenges. Currently, Keva Store Beringin relies on Microsoft Excel for inventory management. Store employees encounter difficulties in accurately determining product availability, as Excel does not facilitate real-time stock tracking. The processes of searching for and updating data are also time-consuming, particularly when managing a larger number of items. There is a pressing need for a web-based inventory information system connected to a database. The PIECES analysis approach and Rapid Application Development methodology are employed in the development of this system. The system is implemented using a MySQL database and is built with PHP programming language and the Laravel framework. The outcome of the inventory system implementation is that information regarding stock levels is presented in real-time and with accuracy, thereby facilitating Keva Store Beringin in managing its inventory more effectively.

Keywords: *Inventory, Information System, Web, Rapid Application Development*