ABSTRACT

Toko Bangunan Lancar Barokah is a trading company located in Cimahi, specializing in the trade of building tools and materials. The types of goods sold include materials, equipment, and tools. Toko Bangunan Lancar Barokah has not yet implemented the use of applications in its business processes, resulting in some loss of records, shortages, and unexpected stock gaps. The purpose of this application is to handle inventory management, manage purchase transactions with suppliers, assess inventory using the First In First Out (FIFO) method, and generate general journals, ledgers, and purchase reports. The development of the application follows the SDLC method with the waterfall model. The application design process uses rich picture, Business Process Model and Nation (BPMN), Unified Model Language (UML), and Entity Relationship Diagram (ERD). The application is built using the PHP programming language with the CodeIgniter framework and MySQL for data processing. The application includes manual testing, application testing, and black box testing. This final project successfully manages master data of goods, suppliers, types of goods, and accounts. Additionally, the application effectively handles inventory and purchase transactions with suppliers. The application also generates financial records such as general journals, ledgers, purchase reports, and stock cards.

Keywords: Purchase, Inventory Management, FIFO Method, CodeIgniter, Web Application