

ABSTRACT

This Final Project was prepared to overcome problems in the process of managing inventory and preparing financial reports which have been done manually. The manual process often causes inaccuracies in recording and takes a long time so that it hinders quick and precise decision making. Therefore, a web-based application was designed and developed which aims to facilitate the recording of order receipt transactions which will automatically affect inventory stock reports. In addition, this application is also equipped with an automated financial report generation feature based on all transactions that occur in the application. The development of this application uses the agile method which consists of several stages, namely data collection to determine user needs, application design and development, and evaluation through feedback from users. Tools used in the process of developing this application include Visual Studio Code as software for writing program code, Microsoft Excel for initial data processing, and PostgreSQL as a database management system. Based on the results of testing and evaluation, this application is able to help the process of recording transactions faster, preparing financial reports automatically and precisely, and accelerating the decision-making process based on data recorded thoroughly in the application.

Keywords: Web-based Application, Purchase Receipt, Inventory Management, Financial Report.