ABSTRACT

Web-based applications for the sales of building materials and forecasting inventory stock is an application used to assist owners and steel stores building materials Sadar Jaya in managing sales of building materials, and can predict the outcome of inventory forecasting stock at TB Sadar Jaya at the moment carried out by performing two times of recording, recording first to stock the shop, and paint to the two determine the sales memorandum containing details of the goods purchased. Paint of memorandum also carried two copies. Web-based applications for the sale of building materials and inventory forecasting models stock made using waterfall. To forecast inventory forecasting result using linear regression method, where the calculation of predictions derived from the sale of goods in the previous period. Website development application from that uses PHP programming language and MySQL database and connect with sms gateway built using Gammu. Tests on which applications built using tehniques black box testing. The results of testing on the application, namely, the application is able to manage the sale of building materials and forecasting inventory stock.

Keywords: Applications, Sales, Inventory, Linear Regression, Web, SMS Gateway