

ABSTRACT

Dalko Motor is an automotive business located in Musi Banyuasin, South Sumatra. The company faces various challenges in managing warehouse inventory due to the absence of an integrated recording system. The absence of this system results in stock mismatches, data loss, and slows down the process of checking goods. Problems that often occur include overstock, out of stock, difficulty in tracking the origin of goods suppliers, and inefficient service time. These conditions have a negative impact on customer satisfaction and workshop operational efficiency. This research aims to design and develop a website-based warehouse inventory recording information system at Dalko Motor using the Waterfall method. This system includes real-time stock monitoring features, Reorder Point implementation, management of incoming and outgoing goods, supplier data management, and generation of goods history reports. The purpose of this research is to produce a design of a car spare parts warehouse inventory information system at Dalko Motor Store with the application of Reorder Point which can assist users in managing warehouse inventory records and overseeing the management of goods that occur at Dalko Motor. With the implementation of this system, Dalko Motor is expected to optimize inventory management, speed up the ordering process, and support better and more efficient decision making. The method used in this research is the Waterfall method.

Keywords: *Waterfall, Warehouse Inventory Information System, Reorder Point*