ABSTRACT

PT. XYZ is a national subsidiary of ABC Group Company which is engaged in the FMCG (Fast Moving Consumer Goods), that is a provider of products such as anacks and beverages. One of the branches of PT. XYZ is located in Rancaekek, which also serves as a distribution center that is also called as Rancaekek Distribution Center (RDC). The presence of delay at the warehouse activity, especially in order picking and storage activities do not lead to optimal order fulfillment and inhibits the activity of inbound and outbound. In addition, the placement of clutter causes the accumulation of goods are approaching expiration.

Informasi system will be built on this research is web-based Warehouse Management System (WMS) by using PHP programming language, Codeigniter framework and Iterative-Incremental methods. WMS is an information system that helped RDC Warehouse to manage their activities mainly on the inbound, storage and outbound. In design phase, researcher needs data which collected by doing observation and direct interview with employee of RDC warehouse.

WMS is expected to provide benefits to the RDC Warehouse in the form of accelerating inbound and outbound activity with features Advance Shipment Notification (ASN), preventing the damaged goods for having expired with the taking of items based First Expired First Out (FEFO) and optimizing the allocation of storage of goods on the rack. So expect this information system can be a solution to the problems in the RDC warehouse.

Keywords: *Fast Moving Consumer Goods, Warehouse Management System, PHP web application, framework Codeigniter, Iterative-Incremental, First Expired First Out.*