

ABSTRACT

Big Bike Studio is a company which produced tees, located in Jakarta as head office and Bandung as the production. Raw material management in Big Bike Studio is not carefully planned because raw materials are ordered according to the production's desire without good calculate by the warehouse, which can cause unstable inventory and hampered production. In managing raw materials, Big Bike Studio can apply Economic Order Quantity (EOQ) method. EOQ is a method that able to determine the quantity of raw materials to fulfill demand with minimalized cost. Knowing the precise quantity of needed raw materials and how the raw materials are managed can help the development of Big Bike Studio. Because of that, the warehouse needs a web-based application to manage raw materials using Economic Order Quantity method.

*Application developed will use structured method using MySQL database and PHP programming language. The application name is **"Management System of Raw Material Inventory with EOQ Method at BIG BIKE STUDIO Bandung."** This application can handle managing master data, management of raw material production, raw material order, generating raw material order report, journal, and ledger.*

Keyword: Management System of Inventory, Economic Order Quantity, Raw MaterialOrder, MySQL, PHP.