SISTEM INFORMASI MANAJEMEN STOK MATERIAL DENGAN METODE *ECONOMIC ORDER QUANTITY* (EOQ) BERBASIS WEB
(Studi Kasus: CV. Bagas Tirta Utama)

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ABSTRACT

CV. Bagas Tirta Utama is a bottled drinking water company that is still experiencing difficulties in processing inventory data in warehouses, especially in optimizing the supply of raw materials. In data processing, Ms Excel application is still used to record the purchase of raw materials. The use of the Ms Excel application often results in difficulties in processing data on raw material stock and searching for items that are difficult to find and reports. Research on raw material inventory information systems using the web-based EOQ method has the objective of designing and building a data processing application system for raw material inventory at CV. Bagas Tirta Utama in order to provide a good system for employee performance in separate warehouse and factory sections and to produce accurate information reports. The stages of research carried out in this study are using the waterfall method which has stages, namely: first, system requirements analysis (analysis), system design (design), program code (coding), testing (testing) and maintenance (maintenance). This research produces a product in the form of a raw material inventory information system using a web-based EOQ method with the CodeIgniter framework and using the PHP language. With the raw material inventory system, employees can find out the available stock in the warehouse and make it easier for employees to manage incoming goods, outgoing goods, damaged goods and purchase returns. Making reports is faster with the information system for raw material inventory and the application of the EOQ method to determine the quantity of orders.

Keywords: Code Igniter, EOQ, Framework, PHP, Web, Waterfall