ABSTRACT

**INFORMATION SYSTEM OF
PRODUCT SELLING AND STOCK CONTROLLING,
USING EOQ (*ECONOMIC ORDER QUANTITY*) METHOD**
(A CASE STUDY IN SUKASARI MOTOR WORKSHOP)

by

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Sukasari Motor Workshop is a workshop that performs selling and purchasing of bike spare parts from various factory. In that workshop, all processes, both selling or purchasing processes, still executed manually. It's causing several problems, one of the problem is the workshop manager becomes difficult to control the stock.

Because of that several identified problems, Sukasari Motor Workshop wants to build an information system to solve that problems. The information system is using EOQ (Economic Order Quantity) method as a statistical calculations solution to determine the number of orders with a minimum cost.

Data collecting is performed through literature studies, interviews, and observation method. The method of system development of the information system is using a waterfall method, while the data flow method that is used is structured methods, it is a DFD (Data Flow Diagram) to describe the functional model, and ERD (Entity Relationship Diagram) to describe the data model. This information system was built using Borland Delphi 7 software, and MySQL as a database.

Information System of Product Selling and Stock Controlling, using Economic Order Quantity Method, can help the Sukasari Motor Workshop manager to provide data of the availability of items, and to determine the number of items to be ordered to the supplier. So that the purchasing and procurement of inventory become effective.

Keywords : Information system, Stock Controlling, EOQ, Borland Delphi 7, MySQL.