ABSTRACT

INFORMATION SYSTEMS DEVELOPMENT OF MONITORING AND FORECASTING GOODS IN MINIMARKET BAROKAH

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Minimarket Barokah is a minimarket that sells daily necessities. When this process occurs in the minimarket Barokah still use manual way thus resulting in less rapid and efficient in processing data. In addition there are constraints on the mini-warehouse Barokah is small, this resulted in the owner of the difficulty to estimate the amount of goods ordered for a period ahead.

Moving Averages and Last Period Demand is the second quantitative forecasting method using pattern analysis of relationships based on time series. To be able to perform forecasting by using the two methods is necessary historical data so that each variable is required to have the unit of measurement or can be measured. Information systems development process monitoring and forecasting of goods in this minimarket Barokah using the waterfall software development, and methods of data flow systems using structured methods that use DFD (Data Flow Diagram) in depicting functional model and ERD (Entity Relationship Diagram) to illustrate the model the data. System builder software is a Visual Basic 6.0 with MySQL as database.

The test results of the Information System can assist the owner in obtaining information both outgoing and incoming goods items in the mini-blessing and show that this method of forecasting Moving Averages and the Last Period Demand can help the owner of a minimarket in obtaining information about the number of items to be ordered in the next period.

Keyword: Monitoring, Forecasting, Moving Averages, Last Period Demand