

ABSTRACT

The rapid developments of the Information Technology (IT) gives many competitive advantages for companies, such as an ease in monitoring inventory level for distributor and it surely provides more accuracy. There are intense competitions between customer goods distributor because of the massive amount of competitors. Besides that, the companies have to fulfill customer needs in the right time and amount. So, the company must attempt to improve the quality of their inventory management in order to decrease the “out of stock” possibility and increase the response of customer needs, because of supplier cannot always provide the goods requested by UD. Terus Jaya.

In order to solve these problems, in this final project the author designs Inventory Management Information System with SMS gateway as a solution.

In the designing of this information system, there are several phases done in order to solving problems. The phase divided into five phases, which is Early Research, Initialization, Designing, Testing and Analyzing, and Conclusion and Recommendation. Early Research includes the problems formulation statement and purpose of the study, and problem scopes. And then in the Initialization phase the study about the used methods, present circumstances and analyzes of present system. After analyzing phase then the next phase in designing the Inventory Management Information System with SMS gateway. The next phase is testing and analyzing to identify whether the system designed is suitable with the base purpose and the analyze of the performance of the system. The last phase is Conclusion and Recommendation.

Inventory Management Information System with SMS gateway has been capable of supporting calculation that needed to manage the inventory in UD. Terus Jaya and provides automatic notification to the Supplier about the goods or items that its inventory level below Reorder Point. This application designed with interactive interface, menu that user friendly, and complete functions.

From the study and design process that have been done we can conclude that the system can provide support in inventory management and become media of inventory level information to the Supplier. With further development, the system is expected to be able to increase both service level to consumer and the company's profit.

Key Words: Reorder Point, SMS Gateway, Information System, out of stock