Abstract

The information system is a system within an organization reconcile the needs of the processing of daily transactions, support the operation, managerial and strategic activities of an organization and provide outside parties certain reports required. A supply chain refers to a complex network of relationships that sustain the organization with business partners to source production in conveying to the consumer. A supply chain management is very important for a company to make better effectiveness. Aim of this study was to developed information system to evaluate supply chain in supermarket. The tools that used in this research was the design of safety stock evaluation programs. The material was the supermarket and the data of safety stock, data of inventory each products, data of suppliers, and data of warehousing. The tool used in this research were PHP and My SQL. The sample is 15 respondents as staff in supermarket in Semarang Indonesia. The method analysis use in this research is descriptive analysis. The result of this study generate database system that can manage company data and avoid duplication of data. In this research produce inventory application which has product feature, supplier, inventory, transaction, and data warehouse. The information system in supply
chain at Gelael supermarket is very useful to know safety stock of product and avoid stock out product. New findings/significance that the design of this information system can help staff to work more efficiently and effectively in knowing the safety stock of products and overcome the product stock out.

**References**


**Index Terms**

Computer Science  
Information Systems

**Keywords**

supply chain, information system, supermarket