DESIGN STRUCTURE OF INVENTORY MANAGEMENT MONITORING IN FACULTY OF INFORMATION TECHNOLOGY

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Abstract

Inventory is a general requirement that exist at an institution, such as educational institutions are no exception Institute of Technology Tenth November Surabaya (ITS), especially at the Faculty of Information Technology (FTIF). In general, management of inventory in FTIF is still largely done manually and not in real time. In addition, the process of recording inventory data as a whole can only be done by a party authorized to manage the data collection of inventory items in FTIF so that the information obtained by each element is limited FTIF associated with the data item. Based on the existing problems and the expected presence of a management information system on inventory items that can serve as an internal management of inventory items in FTIF. One is by making information systems management monitoring of inventory items.

The design and construction of information systems applications are using the Unified Process Model, which consists of four stages of inception, elaboration, construction, and transition by using the standard documentation ReadySET. In
addition, the application is built using the PHP programming language and MySQL database.

Information system inventory management monitoring provides features such as acquisition, deletion, change, borrowing items and other inventory transactions. With the monitoring information system inventory management of goods is expected that each unit within the scope of FTIF can independently manage inventory items to facilitate the process of monitoring in the management of inventory items.

**Keywords**: Inventory, Readyset, PHP, Unified Process Model, monitoring and inventory management information systems.