

ABSTRACT

Asset is one of investment in Institution. In the asset management process, should be an asset inventory of all equipment that is registered and recorded with a neat and organized in accordance with the provisions of the institution for the purposes of managerial decision making. IT Telkom is one of the educational institutions which focus on the telecommunications sector needs to implement the technology in any activities to facilitate the implementation to be more effective and efficient. Industrial Engineering Faculty is one unit in the IT Telkom has a number of assets very much. That condition does require checking and control process assets properly and accurately. During the operational process progresses, the Department of Industrial Engineering has not introduced a system of computerized asset management. This cause's asset control process is not going well.

Asset management system designed in this study using RFID technology. Radio Frequency Identification technology (RFID) is a technology development automatic data retrieval or object identification. RFID tags have the advantage of having a certain storage capacity that can store some specific information of inventory product. Besides RFID also does not require direct contact, and a RFID reader can read any RFID tags that are on the range. In this way it is time for Inventory Control can be saved and the process of updating the information in the database can be done so that the control process can work well. With these advantages, asset inventory process that is designed to run properly and accurately.

The system design results provide several advantages compared to the original system. Functionally, the system can facilitate inventory admin users, especially the Industrial Engineering Faculty in the process of checking and controlling the inventory to be reported regularly to the Logistic Affairs Section on IT Telkom.

Keywords: Asset Management, Radio Frequency Identification.