ABSTRACT

PT Agra Sawit Indo is a company in the palm oil mill industry which is located in Ujung Karang Village, Karang Tinggi District, Central Bengkulu Regency. In this company, the recording of warehouse goods information is still done by paper and excel. There are 13 types of goods with a total of 1,957 items that must be monitored by warehouse staff. One of the activities carried out by warehouse staff is managing warehouse files such as Request Letters and Goods Out Letters, as well as BIN CARD. At the end of each month, stock equalization is carried out and there is often a difference in the absence of evidence or information, so it takes time to find evidence of the difference in the data.

Information is an important thing that must flow in the company. Companies that do not have a good information management system will make it difficult for their workers to communicate. Therefore, companies need a system or process that can process this information in order to get to the destination efficiently and effectively. The design of the Inventory Management Information System at PT Agra Sawit Indo aims to store and manage stock information in the warehouse in real time. The design of this inventory management information system uses the Rapid Application Development (RAD) method.

System design starts from analyzing system requirements from users, interpreting the results of user requirements to system design, programming from the results of the design, testing and iterating the results of feedback. The reference standards of the design are user stories and ISO 25010. The results of the design produce a Management Information System (MIS) for Warehouse Stocks as a medium for exchanging data and information flow of Warehouse goods in real time. This system can prevent data processing errors that occur during the process of recording incoming and outgoing goods at the PT Indonesian Palm Oil Agra.

The Warehouse Stock Management Information System (MIS) goes through a functionality testing process using the gray-box testing method and gets a percentage of 84.9% from the user acceptance test. Based on the results of these tests, the Management Information System (MIS) for Warehouse Stock at PT Agra Sawit Indo is declared according to user needs and is suitable for use.

Keywords: Warehousing Information System, Grey-Box Testing, RAD.