ABSTRACT

Indonesian Red Cross(Palang Merah Indonesia) is an organization ofnational associations in Indonesia who engaged in humanitarian and social health. As alarge organization, PMI has many divisions or units, each of them requires many itemsin his work. Logistics department Blood Transfusion Unit (BTU) are the warehouse that stored the items required by eachwork unit. However, the processing of data items, in and out, ordering item and reporting have not been running properly because the curent inventory system are not computerized well. The purposeofthis researchis, to studying the curent inventory information system in the logistics department, designing the system, testing the system, and implement the inventory information system at PMI logistics department.

The research method are used descriptive method and data collection that conducted by observation and interview. System approach method are object-oriented approach, the method of system development are using prototype models. And analysis tool are used the Use Case Diagram, Activity Diagram, Sequence Diagram, Class Diagram, Component Diagram and Deployment Diagram. The programming languageis used Java NetBeans 6.7.1 with MySQL databases.

The results of research obtained the inventory information system in the PMI logistics department that can help processing the entire data inventory. Checking, recording and stored the data from items in, items out, ordering items and the making of the report is more effectively because all the data is stored in a database and search data items can also be more easily, this can helping PMI in achieving the goals.

Kata Kunci :*PMI, Inventory, Object Oriented*