ABSTRACT

PT. Hariff DTE do the purchasing and inventory of spare parts to support company's business. In the process of inventory of spare parts for the branch office, the request for spare part of the branch office is done by filling out the form and then sent to the central headquarters in Bandung. The system is still done manually, from the request for spare parts, spare part revenues and expenditures to the spare part inventory data. There are some problems faced by the Spare Parts Management, which is the condition of uncontrolled inventories of spare parts, also in spare parts searching, resulting in a difficulty in processing the data and in preparing reports. The purpose of this study is to determine the existing spare part inventory system, designing web-based spare parts inventory information systems that can connect all the existing branch offices throughout Indonesia, perform systems analysis and testing of web-based spare parts inventory information systems and implement it at PT. Hariff DTE.

The method that is used is descriptive method with approach of case studies at PT. Hariff DTE, the data collection methods that is used is observation, interview and documentation. The Approximation method that is used is the structured method with the waterfall development model, with the help of system development tools using flow map, context diagram, data flow diagram, data dictionary and database design. The software support to make this web-based spare parts inventory information systems is PHP, Adobe Dreamweaver and MySQL for the database.

The results of this study is to make the web-based spare parts inventory information systems which can facilitate the spare partmanagement process in managing the spare part inventory data, ease the information gathering about the spare part receipt and expense, ease the spare part supply report for the managers and the related people, and ease the spare part search process.

Keywords: Spare Parts Inventory, Web, Spare Part Management.