

ABSTRACT

Laboratory management is all activities related to regulate all activities that took place in the laboratory. In Data Mining Center IT Telkom laboratory, this laboratory management include research, study group, inventory, and activity schedule management. At this time, those things still done manually using some files that stored in the archives. Problems that occurred with the use of this method is the untidy and unstructured of data storage that causing data inconsistency and data loss. Therefore, application that can support laboratory management is needed.

This application system design starts from problems analysis, system design using UML for documentation, specification, and system modelling, user interface design, and testing. The making of this application uses process model waterfall with PHP programming language implemented in Joomla 1.6 content management system, with MySQL as the database, and using MVC model in the implementation.

This laboratory management application is able to manipulate and display information related to laboratory management, including research, study group, inventory, and activity schedule management..

Key Words : *Management, Laboratory*