

ABSTRACT

LABORATORY INFORMATION SYSTEM DESIGN OF INTEGRATED ELECTRICAL ENGINEERING UNIVERSITY OF LAMPUNG BASED ON WEB

By

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Information technology is growing rapidly and has become one of the necessities in today's digital age. At the Laboratory of Integrated Electrical Engineering University of Lampung, consuming the stored information and management is also a time-consuming in terms of archiving. It will therefore be made in order to facilitate the Laboratory Information System users and administrators Laboratory in processing and data storage Laboratories.

This information system is built using software engineering Modified Waterfall methods by using the programming language PHP, HTML5, CSS3, JQuery, and PostgreSQL as the database. This information system is based on the needs of the entities that exist in the Laboratory of Integrated Electrical Engineering University of Lampung.

The information system has been created to facilitate the Head of Laboratory, Department, and Faculty to be able to monitor the activities that exist in each laboratory at all times and be able to process data in the laboratory, including the inventory, research data collection, a list of existing faculty in each laboratory, Standard Operation Procedure, granting free letter laboratory, practical data collection, guest book, monitoring and evaluation, and other needs.

Keyword : Laboratory Information System, Modified Waterfall, PHP, PostgreSQL, monitoring and evaluation