ABSTRACT

The management of the laboratory in the Faculty of Applied Sciences University of Telkom as inventory data management laboratory, laboratory equipment maintenance, borrowing the laboratory, and data collection devices are done manually. Seeing this problem, the idea emerged to build a web-based application that is in it is able to manage the activities of the laboratory asset management Faculty of Applied Sciences University of Telkom. The methodology used in the making of this application is the Waterfall method. The programming language used is PHP CodeIgniter framework. To view using Londinium Bootstrap, CSS3 and Jquery. The database used is MySQL 5.6.16 as well as the editor used is XAMPP v3.2.1, Sublime Text and Notepad ++. This application is used by 5 users, namely Laboratory Assistant, Head of Laboratory, Chief Laboratory Affair and student or teacher who wish to use the laboratory. By using this application is expected to handle lab activities that can help the process of practical implementation.

Keyword: WEB Applications, Laboratory, Inventory, Maintenance.