

## ABSTRACT

---

*The existence of these laboratories on the unit of Applied Science Faculty at the University of Telkom is very needed in supporting academic activities both for the Faculty of applied science itself and for other faculty in the university environment Telkom centered in the Staff of the Laboratory floor 1 Applied Science Faculty of the University of Telkom. The Staff of the laboratory as container ministry practicum activities of course is required for professionals in its management, besides can provide information that is up to date, for users can also obtain accurate information for the form of the material for monitoring. The problem is the system running on the Staff of the laboratory is still running with the manual. By using the form and paper media as proposed lease pool laboratory. So the service system him less and the maximum data stored still can be said to be valid. Therefore, to improve the services to users of the laboratory and get the information fast, then the needs of a computer-based applications in lab management difficult to ignore. From this application students, lecturers and employee can melaukan penginput to lease space and the appliance in the laboratory of Applied Science Faculty(FIT) and the officials of the laboratory can monitoring with easy. The design of this application using the programming language Hypertext Preprocessor (PHP) with CodeIgniter framework and the MySQL database, the development methods in use is the prototype and use the testing with how the black-box testing. With the compute-this can be easier for the borrower to do the lease laboratory and facilitate laboratory employees to monitoring the lease.*

*Key Words : Laboratories, MySQL, Codeigniter, Application.*