

## ABSTRACT

### DESIGN OF LUKMAN EL-HAKIM Dormitory MANAGEMENT INFORMATION SYSTEM USING RAPID APPLICATION DEVELOPMENT (RAD) METHOD

*by:*

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*Lukaman El-Hakim Dormitory is a dormitory located on Jl. Lieutenant Colonel Jl. Endro Suratmin, Harapan Jaya, Kec. Sukarame, Bandar Lampung City, Lampung 3513, with the aim of being such a place to live to accommodate a number of students continuously or periodically with the same interest, namely studying. Dormitory management processes are still using conventional methods, namely all transactions from ordering to the use of dormitory/building facilities by recording all data in books and whiteboards. The problem that often occurs with management officers is that they have to look at ordering data and the building/dormitory schedule is used in the building usage log book. The activity coordinator must first ask the manager for reservations for the building/dormitory that will be used for internal activities. At the time of the activity, room placement was still done manually, by recording the names of participants and writing on small paper the name of the dormitory and room number. After completing the activity.*

*The method used in this research is RAD with object-oriented system developer using UML. The purpose of the study is to apply a system to the processing of dormitories to make it easier to check room availability.*

*The results of the study are a system that can manage student data, rooms, activities, inspections and reporting. The resulting system is able to manage dormitory data, namely recording rooms and students who live in rooms and can also record guests who come to visit, the process of collecting room user data for students is no longer done with notes but can be easily done by students such as the room application feature which can be accessed online using the website.*

**Keywords:** *Information System, Dormitory Processing, RAD, Lukman El-Hakim*