DESIGN AND IMPLEMENTATION OF STUDENT DORMITORY MANAGEMENT INFORMATION SYSTEM (SIPAM) ITS SURABAYA WITH THROWAWAY PROTOTYPING METHOD

Name : Nur Nailis Sa’adah
NRP : 5207 100 702
Departement : Information System FTIf – ITS
Supervisor : Ir. A. Holil N.A, M.Kom, Feby Artwodini M., S.Kom, MT

ABSTRACT
Technical Implementation Unit (UPT) Student Dormitory ITS as a provider agency temporary residence for students, requiring the media to manage administrative matters, such as registering new residents, empty room information, room rates, extension of time for habitation, the addition of room facilities, and more another. In addition, the student dormitory also need to manage information about buildings, rooms, facilities, employees and residents to be used to assist in decision-making effectiveness. To that end, Student Dormitory Management Information System (SIPAM) needed to assist the dormitory in running business processes for existing applications can not perform this function. This application also provides information on developments dorm from time to time, such as number of occupants per building, where the most desirable building occupants, what facilities need to be added, how many employees are needed at each building, the rooms are still habitable, type the most desirable rooms, making it useful in the effectiveness of decision making for the managers of boarding based on accurate information.

Steps to create Student Dormitory Management Information System refers to methods of Software Development Life Cycle (SDLC) throw-away portotyping models. The process begins with a survey of the need to pull through the dormitory, the analysis of needs by Viewpoint-Oriented Requirements Definition (VORD) method, making the design of the application as required
by the Unified Modeling Language (UML), and apply it into the sourcecode in accordance with a design that has been be made.

The results of this final project are application of Student Dormitory Management Information System (SIPAM), Software Requirements Specification (SRS) document and Software Design Description (SDD) document.

**Key words:** Student Dormitory Management Information Systems, software requirements, throw-away prototyping, UML, VORD