

ABSTRACT

DESIGN OF APPLICATION MANAGEMENT AND ASSESSMENT OF ACCREDITATION FORM STANDARD 5: CURRICULUM, LEARNING AND ACADEMIC ENVIRONMENT BACHELOR DEGREE STUDY PROGRAM BAN-PT USING WATERFALL METHOD

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Information Systems study program is one of the courses under the Faculty of Industrial Engineering, Telkom University. One of the main activities undertaken by the Information Systems study program is the learning done by lecturers and students. The curriculum and academic environment are needed to support the learning activities. In carrying out academic activities need to be evaluated from the current conditions. Evaluation is also used as an effort to continuously improve the quality of learning in Information Systems study program.

Information System Study Program runs the business process of preparation of accreditation of study program as preparation for evaluation conducted by BAN-PT. The evaluation process is called the accreditation process. Currently in running preparation accreditation business process is still not good. This is because the documenting process is done separately. This condition causes the process of collecting data and documents become more difficult and takes a long time to collect evidence of data, information and documents related to accreditation that is useful as a filling material accreditation form BAN-PT. In addition there is no detailed explanation of the duties for each member of the accreditation preparation team so it is difficult to monitor the preparation process of accreditation. In addition, the accreditation assessment process is still done manually by checking the documents one by one, so it takes a long time to do the simulation. This is the basis for the need for automatic accreditation assessment because it can shorten assessment time. Making the appraisal of accreditation so that the searching process

and data collection become more effective and efficient. In addition, the application can be used to perform simulation of accreditation assessment so that it can know the estimated value that will be obtained in the accreditation process by BAN-PT. Waterfall method is used in the application development process. Stages of waterfall method that is requirement analysis, design, coding, and testing. Testing by black-box testing method based on application functionality.

Keyword : Application Accreditation, Waterfall, Black-Box Testing, Accreditation Simulation Assesment