

ABSTRACT

Business process which applied in office of student affairs of Faculty of Industrial engineering today is mostly still using manual method. Starting from the process of submission, approval, and storage-files file submission is still not clearly structured. The process is taking a long time for the submission until completely approved. In addition, the costs incurred primarily on the side of the student association is pretty much because having to reprint the proposal when there are errors or some revisions to the proposal. This research has the goal to help deal with problems that occur in the Office of Student Affairs with develop web-based applications that focus on managing the set of activities of Student Association on the Office of Student Affairs side. The method used in this study is iterative and incremental and divided into 3 increments. The programming language used to build this application is PHP with Codeigniter framework and using MySQL for the database. Testing method used to test the outcome of the application that is Black Box Testing. The test is performed by the user who is the Head of Student Affairs FRI. The results of the tests performed is that user can accept the student's application. It can be concluded that this application has been quite helpful in addressing some of the problems that exist in the Office of Student Affairs and the Student Association.

Keywords: student affairs, student association, web application, codeigniter, black box testing, iterative and incremental