

ABSTRACT

WEB BASED APPLICATION OF LECTURER TEACHING PORTFOLIO

Document portfolio teaching lecturer, is a document that became the main reference in the process of improvement teaching in the next year. However, in the even semester of the academic year 2016/2017, more than 50% of documents have not been collected by Lecturers. This will certainly hinder the process of improving the quality of teaching in the next year. There are at least 3 things that currently become obstacles, namely: 1. Lecturer takes relatively short time in processing student data into a graph, 2. Head of Study Program can not find out to what extent the portfolio of teaching documents made by Lecturers, and 3. The Head of the Study Program can not check the validity of the document's portfolio of lecturers teaching content, as it will of course take time. Based on these facts, a Web Based Application of Lecturer Teaching Portfolio was created. This application was developed by using waterfall method. With the implementation of this application, then the 3 constraints can be overcome. Here is the implementation of the implementation of the 3 obstacles, namely the technical data processing student value into the graph has been changed to automatic, the availability of progress reports document creation, and the availability of approval features to the teaching portfolio document by the Coordinator Courses, as a form of determination of content validity. Each functionality contained in this application, has been through a series of testing with black box testing method, and also user acceptance test. As a result, all the functionality has been able to fulfill their respective objectives as part of the application as a whole. Based on the results of the test, it can be concluded that this application has successfully fulfilled the initial goal of its development, ie tackling the 3 obstacles (previously submitted) currently faced by all Lecturers in the Diploma 3 Program of Informatics Management of Applied Science School Telkom University.

Keywords: portfolio, waterfall, black box testing, user acceptance test