QUALITY EVALUATION OF ONLINE STUDY PLAN FORM MODULE IN TENTH NOVEMBER INSTITUTE OF TECHNOLOGY'S INTEGRA BASED ON MCCALL'S QUALITY MODEL

Name: Putri Adiati
NRP: 5209100005
Department: Information System
Supervisor I: Achmad Holil Noor Ali, Ir., M.Kom
Supervisor II: Hanim Maria Astuti, S.Kom, M.Sc

Abstract

Tenth November Institute of Technology (ITS) has so many information systems inside it as a college. For example of the system is ITS’s academic system at https://integra.its.ac.id where we can find Study Plan Form (in Indonesia we call it FRS) module inside it. In ITS, FRS has been using via online (FRS online) which purposely to facilitate the students to do courses taking process easier in early semesters without having to be in campus. FRS online is one kind of software or web based application. A good quality software is a software which fulfills its requirements without mistakes, because software quality is an important thing. As a software, FRS online required to have a good quality based on standards.

In fact, there are so many problems occur when using FRS online, for the examples are unrelated errors and its functions run into trouble. These things happen related to software quality of FRS online itself. Therefore, the author will do an evaluation about ITS’s FRS online quality. The purpose of this final assignment is to know how far the quality of ITS’s FRS online quality and make recommendations to improve the qualities. The quality
evaluation will do 5 out of 11 McCall’s quality factors, those are correctness, reliability, integrity, usability, and portability; while the 11 McCall’s quality factors are correctness, reliability, efficiency, integrity, usability, maintainability, testability, flexibility, portability, reusability, and interoperability. Quality testing will use supporting tools and survey to ITS’s BTSI as developer and ACADEMIC as its client; and students and academic instructors as end user of FRS online. The result of this final assignment hoped to be able to be a consideration to develop ITS’s FRS online to be better.

Keywords: Software Quality, McCall’s Quality Model, FRS Online