Abstract

The increasing development of technology in the world, the company now takes the role of information technology on it the more the project is also Information Technology (IT). Of the many IT projects that there are many failures. One of the causes of failure in IT projects is given from the stakeholder requirements are incomplete, inconsistent and uncorrect. Requirements Engineering (RE) is one of the phases of the software development life cycle that is useful to determine the needs of the customer an IT project. This phase is quite important because one of the qualities of a software can be measured in conformity with the requirements specified. The process of the requriements engineering may vary depending on the characteristics of a project it self. Adaptive process on RE an adjustment process on the characteristics of an IT project so software engineer can perform the RE phase efficiently and effectively. With an election every stage and techniques contained in RE. RE election process and technique using case-based reasoning with the parameters of the project, namely the project size, project complexity, volatility requirements, project category, degree of safety criticality, time constraints, cost constraints. Each RE Process models have guidelines or activities that vary too. In addition to recommendations Process model RE in accordance with predetermined characteristics of the project, in this study also implement tools to support the activities undertaken engineering requirements. Two types of tests were performed to evaluate the tools that have been built. Qualitative test results stating that the recommendations produced in accordance with the characteristics of a particular project and Knowledge RE test results stating that the tools can provide insights about the requirements engineering for the users.

Keyword : *requirements engineering, case-based reasoning, adaptive, process*