Abstract

Web 3.0 is a set of new technologies that offer an efficient way to help computers organize and draw conclusions from the data online. Web content displayed not only in the format of a common human language (natural language), but also in a format that can be read and used by the machine (software). Through Semantic Web is, a variety of software will be able to find, share, and integrate information in an easier way. Thus, elements of artificial intelligence (Artificial Intelligence) is an important part of the Web 3.0 / Semantic Web, so it's become more and more intelligent. To support the capabilities of Web 3.0, the required measurement quality possessed by web 3.0. To achieve these objectives the software quality assurance (software quality assurance) specify the factors that must be considered in building a software with good quality. Researchers conducted an analysis of I-Gracias Web that supports the genrasi web 3.0 and will make a recommendation to repair the web. Researchers chose I-Gracias Website as an academic official website belongs Intitut Teknologi Telkom. For the process evaluation, researchers used a cognitive walkthrough evaluation. By using quisoner, evaluation techniques will be applied. There are some important things that need to be analyzed Interface, Accesbility, Design, and Usability. With gained a regression function of the results of questionnaires that have been concluded with the tools SPSS Statistics 20, it will be concluded some decent recommendations issued to build Web I-Gracias well.

Keywords: semantic web, I-Gracias, reliability, evaluation of cognitive walkthrough, quisoner, SPSS Statistics 20.