Abstract

The Scenery application is informative and educative regarding tourist places in Indonesia. Differences in implementation in application development can cause a discrepancy between the client's needs that the software developer has made. Therefore, to measure success in developing the Scenery application, it is necessary to adjust and change the artifacts that form the basis of the SRS documentation. In this study, the artifact was part of the Requirements Specification in the form of Functional Requirements and part of the Use Case Description in the Step Performed. Through a Textual Similarity approach, the two artifacts were used as measuring tools to see the results of the Similarity of a software requirement between the Client and the Developer. This research uses the Cosine Similarity formula to implement Textual Similarity in Functional Requirements and Step Performed. There are results to help the functional needs of artifacts as much as 14 with document labeling from d1-d14 and for steps carried out as many as 14 with labeling from d15-d28. This study produced a matching value of -0.0290, meaning "less than chance agreement." This validity measurement can be used as a reference for improving the quality of artifacts in SRS.

Keywords: Step Performed, Functional Requirements, Cosine Similarity, Cohen Kappa, Textual Similarity