

Abstract

This study uses the Software Requirement Specification (SRS) to measure the similarity of the software requirements of HayLingo Startup Development. Similarity is measured based on User Requirements. In general, this study aims to determine the suitability of User Requirements with the software to be built through the similarities between Functional Requirements and Use Case Diagrams (Description) in the HayLingo Startup Development SRS document. This similarity activity is carried out through a Text Mining approach in the form of Text Pre-Processing activities on SRS requirements documents, which are then compared. The specific purpose of this research has the following activities: clarifying between software models, determining similarities, validating and reliability using Gwet AC1. The results of the similarity measurement get the highest value of 0.581422. The kappa index obtained is 0.26239, where the proportion of agreements obtained is Fair (fair agreement).

Keywords: Similarity, Use Case Description, Functional Requirement, Text Mining, Software Requirement Specification, Gwet's AC1