

Abstract

One of the important factors determining the quality of the software is ensuring that the requirements (requirements) can be traced into the program code. On the spot of interest is done manually, so it requires a lot of effort and high accuracy. One method that can be used to tracing program code requirements is the frequency-inverse document frequency (TF-IDF) method. In this research the TF-IDF method is implemented as a tool, and tested with several cases from the RETRO.NET dataset. Furthermore, the performance of the TF-IDF method will be based on 3 indicators accuracy, precision, and recall. Several modifications were made to the implementation of the TF-IDF method to provide better results.

Keywords: Requirement traceability, TF-IDF, Information retrieval

