Abstract

Searching for information on the internet has become a necessity for most people with their own needs, especially for students. To search for scientific articles yourself, you can use the Google Scholar search engine to make it easier to search so that they are more specific for scientific articles. Even though using the Google Scholar search engine, the information provided by the search engine is still quite a lot and certain keywords are needed in order to be able to find scientific articles that match what you want. So the use of query expansion is considered very appropriate to assist users in determining the right keywords to search. In this study, an experiment was carried out using the word embedding word2vec method to expand queries and carry out two scenarios for searching scientific articles using the Google Scholar search engine. The dataset used to create the word2vec model uses data from the WING-NUS/scisumm-corpus repository. The total accuracy value obtained in the first scenario search results is 89.9% while the total accuracy value for the second scenario search results is 76.1%.