ABSTRACT

Plagiarism is an act of taking ideas, taking research results, acquiring research results, and summarizing writing without mentioning the source either intentionally or unintentionally. The cosine similarity method is one of the methods that can be used to calculate the score of similarities between documents by comparing documents on the database so that a percentage of the score of similarities between documents is obtained. External plagiarism detection (EPD) is used as an approach in comparing the contents of articles. The design and implementation of the system will be carried out in several stages in the hope that the system can work optimally and can detect text similarities accurately.

This Final Project designs and implements an application checking the plagiarism rate of the final project using the cosine similarity method as a method of calculating word equations. The app created in this Final Project is called Kipcheck. The purpose of checking the level of plagiarism is to ensure that the documents created have a minimum level of fraud in order to avoid academic sanctions.

Kipcheck uses three application system tests, namely (i) maximum word calculation that can be processed, (ii) testing the results of application calculations based on manual calculations, (iii) testing the consistency of application calculation results based on two different schemes, (iv) Kipcheck time consumption measurement. Based on the test results, the calculation of document similarity with the cosine similarity method in the Kipcheck application has an accuracy of 99.9% from 100% and is still able to process the final project documents of D3 Telecommunication Technology students. Based on the test results, the use of the third scheme is the best scheme in this Final Project to be applied to the application because the results of calculations are consistent and it can solve patchwork plagiarism cases.

keywords: plagiarism, cosine similarity, EPD, final project, D3TT