

Measuring the Level of Plagiarism of Thesis using Vector Space Model and Cosine Similarity Methods

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Abstract. The purpose of this research is a computer system can assist in detecting and measuring plagiarism of scientific work quickly. There are many techniques that can be used to measure the level of plagiarism of a document. in paper, we will use the Vector Space Model and the research method used namely Cosine Similarity to measure the level of similarity of the thesis. The result of this method was comparing the level of thesis similarity with the dataset using the TF and TF-IDF techniques in graphical form. It can be concluded from the experimental process, using the TF-IDF technique produces a smaller value compared to using the TF technique.

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