

Abstract

Plagiarism is an act of taking the other's work, writing, idea, opinion or another kind of work then confess it as theirs. There are some methods which have been developed in plagiarism detection field, one of them is Fuzzy Information Retrieval (IR). An issue we face when we use this method is how to determine an optimal value for threshold inside the rule, so it can determine which sentence is plagiarize well. Therefore in this research, fuzzy IR method is used with some several kind of value for threshold to determine a plagiarize sentence from an indonesian document.

Based on test and analysis that had done before, an optimal value for permission threshold is 0.725 and 0.275 for variance threshold. Based on the analysis result too, known that the larger value used for permission, and the smaller value used for variance threshold, so the Fuzzy IR tolerance for changing of the sentence's structure get smaller. So it can make more difficult for the system to determine which sentence is plagiarize.

Keyword: *Plagiarism, Plagiarism Detection, Fuzzy Information Retrieval, Permission Threshold, Variance Threshold*