**Abstract** 

Plagiarism is an irresponsible act of misusing by citing part or all of the contents

of other parties' documents that are recognized as their own documents, without

stating the source correctly. To overcome this, each document must be examined

whether the results of plagiarism. However, manual checks take a very long time if

the number of documents examined too much. Therefore we need a system that can

find similarities in these documents.

This system is built using the Rabin-Karp algorithm. The process of detecting

document text similarity will go through the case folding, tokenizing, k-gram and

hashing processes then using the Rabin-Karp Algorithm look for similarities and

using Dice's Similarity Coeficient to calculate the similarity percentage. From the

research conducted, the results obtained with F1-score were 62.29%.

**Keywords**: plagiarism, Rabin-Karp, string, hashing, k-gram