Abstract

Indonesian society is now starting to roll out from news consumption in the form of newspapers to online news. The percentage of online news consumption reached 96 percent based on Global GFK research institute. The percent number is the reverse of the number of news stories. It will be very much news to complicate the work of editors in categorizing every news that there is, therefore required a system that can categorize the news according to their respective categories. In this study is for a system that is able to categorize any news based on the news topic. The method used in classifying news is k-Nearest Neighbor (K-NN) which is a simple content algorithm namu has high performance. In this research the system design is done the process of completion of dataset, preprocessing data, klafikasifikasi with k-nn, and last done by testing system. In this research the built system is able to produce the average micro performance of f1-measure equal to 69,9% with value k = 16.

`**Keywords: Classification Text, Text Mining, K-Nearest Neighbors**