

Analisis Sentimen Menggunakan Metode KNN dengan *Negation Handling* pada Data *Movie Review*

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Abstract

The growth and dissemination of information at this time is supported by increasingly developing technology. Information can spread on the internet quickly. One of them is opinion information about a film. There are positive and negative opinions. There is polarity in a movie review because everyone has their own opinion. Given these problems, the appropriate method to analyze it is sentiment analysis. The sentiment analysis dataset is used then the negation handling, preprocessing, TF-IDF feature extraction, Mutual Information feature selection is carried out, separating the dataset into training data and testing data, then classifying using the KNN (K-Nearest Neighbor) method. With the system built, it produces the best accuracy value of 53.6% and the best F1-score of 53.1%. Then the system built without using the negation handling method but using the stemming method and mutual information is the system that has the best performance value.

Keywords: Movie Review, Sentiment Analysis, KNN (K-Nearest Neighbor), Negation Handling
