

## **Abstract**

**With online media, it is easier for public to share opinions, one of them is about movies. In opinion, we often find negations consisting of word 'tidak', 'bukan', 'belum', and 'jangan'. The negation words allow a reversal of meaning from positive to negative, so it has potential to change the value of a review. This study aims to analyze the effect of negation handling in sentiment classification using a dataset obtained from one of the Indonesian language film review websites. The handling of negation is done by replacing the negation bigram with its equivalent using a word synonym dictionary. Before the classification process, term (word) weighting is carried out to obtain information from heterogeneous documents using the TF-IDF algorithm. This algorithm works efficiently and gives accurate results. As for classification, the method chosen is naïve Bayes because even though it is a simple method, naïve Bayes is able to provide good performance when applied to high-dimensional text data. Based on several test scenarios that have been carried out, besides that the addition of negative handling gives a higher performance value than other processes, namely with a value of 83.71%.**

**Keywords: sentiment classification, negation handling, movie review, naïve bayes**