

**Abstract**

**Social media is a means for communicating and exchanging information among humans, and one of the social media used is Twitter. However, the information disseminated is not entirely in the form of facts, but there is news that does not match the truth or is often called a hoax. This final project research, the writer builds a hoax detection news system on Twitter social media using the Naive Bayes Multinomial method. The classification process is carried out with the Pre-processing stage and word weighting using TF-IDF until a corpus is formed related to hoax news. The final result in detecting hoax news using Naive Bayes Multinomial with TF-IDF weighting obtained the highest accuracy of 72.06%.**

**Keywords: Hoax, Non-Hoax, Twitter, Social Media, Naive Bayes Multinomial, TF-IDF**