

## ***Abstract***

*Social media is one of the developments in information and communication media technology. Facebook is one type of Social Media that is used to exchange messages, create and disseminate information posts and upload videos and photos then share them on the Facebook homepage. Every information spread on Facebook can be true or false. Information credibility is a level of trust in information. Some researchers are examining information credibility. For this reason, research is carried out on information credibility. The method used is weighting Analytical Network Process (ANP), and Naïve Bayes Classifier. ANP weighting is used to find the weight value of the attributes that support the research and the naïve bayes classifier to predict the dataset and evaluate the accuracy value. The test was carried out 3 times, testing numerical data with ANP weights and without weighting values, testing discretization effects, and attribute composition testing. From the test results, the best accuracy value uses the effect of discretization with the process of weighting ANP in the 90:10 scenario which has an accuracy value of 99.85%.*

***Keywords:*** Analytical Network Process (ANP), Naïve Bayes Classifier, chat, upload.

