Kafe Classification Using C4.5 Algorithm and Website-Based Naive Bayes

Hendra Yufit Riskiawan, S.Kom, M.Cs *as chief counselor*

Muhammad Iqbaal

Study Program of Informatics Engineering
Majoring of Information Technology

ABSTRACT

The growth of cafes in various big cities more and more rapidly from small to large. The rise of this cafe is often found in various areas that are located close to the center of Education. The problem now, amid the many cafes that exist, there is not enough information about the facilities provided by the cafe. This makes it difficult for consumers to choose a cafe. To overcome this problem a program was created that could classify the facilities provided by the cafe. The classification process can be done using the C4.5 algorithm with Naive Bayes. The C4.5 algorithm can be used to determine the decision tree and the Naive Bayes algorithm is used to determine the attributes or subsequent roots of the decision tree. The data used is the data cafe in the city of Jember. The accuracy of the results obtained by 93.33% using 120 test data using the C4.5 algorithm and Naive Bayes, is expected to help users in choosing the desired cafe.

Keywords: C4.5 Algorithm, Naive Bayes Algorithm, Kafe, Classification.