

ABSTRACT

Weather is a natural event that is closely related to human activity, a lot of activities that are always related to the weather. But in recent decades the weather changes have become very uncertain, resulting in some losses, for example in the areas of transportation, agriculture, and plantations.

In this final project presented a study about weather forecasting in Bandung regency using Naive Bayes method. To support this research used Bandung Regency weather data per month period 2005 - 2016. The data obtained will experience the process of preprocessing by using discretization technique that serves to add the status of weather conditions.

Confusion matrix is used to evaluate the performance of the system to be built include the value of accuracy, precision, and the recall. The results of the accuracy of evaluation, namely 96.53% for scenario 1 with weather data to 5 categories, and 98.61% for scenario 2 with weather data to 4 categories.

Keywords: *weather, preprocessing, confusion matrix, Naive Bayes, discretization*