

**Abstract**

Weather is an air condition in a certain area which is relatively narrow and for a short period of time caused by differences in temperature and humidity. Weather is usually used as a benchmark in various human activities such as time to plant, vacation, harvest and various other activities. Weather conditions in some regions can be determined by several factors, such as air temperature, temperature, light speed, wind direction, wind speed and so on. In this final project will be designed a model to predict the weather in Bandung Regency using a decision tree Is the algorithm Tree Dichotomiser Iterative (ID3) by getting an accuracy rate of 67,74%.

**Keywords:** *Weather Prediction, Data Mining, Decision Trees, ID3 Algorithm*