Abstract

Dengue fever or commonly known by the people of Indonesia as dengue fever (DHF) is a viral infection caused by Aedes aegypti female mosquito bites. Fever disease may be included in the category of dangerous diseases, can cause the body temperature becomes very high. if it is too late and the wrong handling will endanger the bad, it can even lead to death. Particularly in Bandung regency, the number of illness / incidence rate (IR) of DHF patients in 2009 to 2016 high obtained from Bandung district health office.

Therefore it is the purpose of DHF that is the factors that influence such as Weather. With the construction of Prediction Current system with climate or Cooling can help or reduce the number of DBD distribution each year.

This research is done by using a priori algorithm with association rule method found in data mining to find patterns of linkage between the level of events with weather with minimum support weight 50-60% and minimum confidence 50-80% which shows the relationship between rainfall and speed wind rate IR up to high incidence (IR). Historical data of DHF from 2009 to 2016 can reduce the incidence of DHF in Bandung Regency in the next year.