

ABSTRACT

Weather is very influential in the life of the world community, including in Indonesia. Changes in weather can be the determinant of living creatures in the future, thus required weather prediction to be able to know future weather changes. Some methods on data mining can be used to predict weather, including: classification, association, and clustering. In the association method there is a Frequent Pattern Growth (FP-Growth) algorithm that can be used to determine the frequent itemset data (the most common data) in a database. In this final project, will explain about weather prediction in Bandung regency by association rules method using FP-Growth algorithm. From the results of the algorithm rules are further classified to obtain forecasting based on rainfall categories to obtain maximum accuracy. The highest performance result of FP-Growth from the result of its rules based on the value of confidence is 90%.

Keywords: association rules, FP-Growth, classification