ABSTRACT

DKI Jakarta is a city in Indonesia that has a high population density which we must pay attention to its health condition. Good air quality can support the productivity of the people of DKI Jakarta to be more active and create fresh conditions. There is a lot of data that appears about the air quality in DKI Jakarta which is always decreasing due to various factors, therefore a classfication system is needed using the naive bayes algorithm that can support information to the local communities. Naive bayes algorithm is a classification algorithm based on probability that compares training data and testing data. The two are compared through several stages of equations, finally the highest probability is obtained which is defined as information. Creating a test model on classification using the Naive Bayes algorithm that aims to find good results. The results of the classification on the Index Standar Pencemaran Udara data in the city of DKI Jakarta produce four results, with an average accuracy of 88%, precision 85%, recall 96%, f1-score 90%.

Kata Kunci*: Classification, Naive bayes, data mining,* Indeks Standar Pencemaran Udara*, Air*