ABSTRACT

PREDIKSI PENYAKIT PARU-PARU MENGGUNAKAN ALGORITMA NAIVE BAYES DAN ADABOOST

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The Lungs are the human respiratory system which plays an important role in meeting the body's Oxygen needs. Apart from that the lungs have function as a place ti exchange oxygen from the air with carbon dioxide from the blood. In some condition, the lungs scan experience problems which have a negative impact on the performance of there spiratory system. If the lungs do not function properly it will cause disease. The data set used uses a dataset from Kagglea total of 30,000 data using rapid miner tools. The only attributes used are age, gender, work, household, activity of stay in guplate, sports activity, insurance, congenital disease. The methods used in this research are only Adaboost and Naïve Bayes. Based on the research that has been carried out,it can be concluded that research showing the use of the Adaboost and NaïveBayes algorithms in predicting lung disease produces a better level of accuracy compared to using only Naïve Bayes. The analysis results show that the accuracy level of this research reached 94.66%, with a precision of 90.71% and a recall of 100.00%. In this experiment, using a combination of Naïve Bayes and adaboost succeeded inincreasing the accuracy rate by7.44%

Key Words : *Predictions, Lungs, Naïve Bayes, Adaboost*