Sistem Pakar Diagnosis Penyakit Ayam Pedaging Menggunakan Metode *Naive Bayes* Dan *Certainty Factor*

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ABSTRACT

Regular breast-raising of diseases in broiler chickens is not considered so that making livestock is easily attacked. This makes farmers and communities difficult in the early handling and does not know what to do without an expert. The process of diagnosis of disease in broiler chickens cannot be done by any person because the type of disease with symptoms has uncertainty. Based on these problems, researchers want to build an expert system to diagnose disease-based broiler. The method used is Naive Bayes using probabilities and Certainty Factor which uses the belief reason of an expert as the basis of inference or decision-making. The variables used were 12 types of diseases that often attacked broiler chickens based on research from the Technical Education and Consultation (TEC) Medion team in 2017. An expert system is one part of the Science of Artificial intelligence) that is quite developed lately. The expert system is widely implemented in the health world to diagnose diseases, one of which is a disease in chickens. By utilizing algorithms and computer programming languages and the knowledge base of chicken disease symptoms by chicken experts then the system can work can represent an expert to give solutions to existing problems.

Keyword : *Broiler disease, expert system, naive bayes, certainty factor*