ABSTRACT

Shrimp is one of Indonesia's export commodities. The United States is one of the largest destination countries for shrimp exports from Indonesia. One type of shrimp that is widely cultivated in Indonesia is vaname shrimp. The research entitled "Expert System for Detecting Vaname Shrimp Disease Using Naïve Bayes and Cetainty Factor Methods" has a problem Formulation for designing, building and implementing an expert system. The aim of this research is to display the results of disease diagnosis and a list of diseases in shrimp. This research uses the Naïve Bayes and Certainty Factor methods to classify the determined parameters. The data sources were obtained from interviews and direct observations in the field with farmers. The output of this system is to make it easier for farmers to detect shrimp diseases based on the physical and behavior of shrimp that occurs in the field through the Naïve Bayes and Certainty Factor processes. The results of this research are in accordance with the 28 symptoms and 10 diseases entered and can help farmers find diseases in shrimp.

Keywords : Shrimp, Shrimp Disease, Naïve Bayes.

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