ABSTRACT

An APPLICATION TO IDENTIFY CAUSE OF DISEASE IN FRESHWATER FISH BY USING DEMPSTER-SHAFER METHOD OF WEB-BASED

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Fish diseases are closely related to the environment where the fish are. Hence, in the prevention and treatment of fish diseases, in addition to control the environment also need to know things related to the incidence of fish disease itself. From the research conducted there are some opinions or complaints about diseases of freshwater fish one is too many pests faced by fish farmers. There was also a lack of information about how to improve the development of freshwater fish culture.

This application is only identified cause of disease in freshwater fish species based on the results of the consultation which causes common in freshwater fish. Core process of this system is the process of reasoning / fish disease identification process to determine the cause of disease and the resulting output of this application is the identification information in the form of input by the user of symptoms of fish, and causes disease in freshwater fish. Development application uses Dempster-Shafer method as a method of calculating the value of presenting search results of consultation, the programming language used is PHP and MySQL as the database.

The system is designed to help employees or fish farmers in identifying the cause of disease in freshwater fish species of the examination results through websites and find out the causes, effects and symptoms that result from the disease in order to overcome at least attack the disease in freshwater fish.

Key words: Freshwater Fish Disease Causes, Dempster-Shafer method, PHP