

## Abstract

Cow disease problems is one of the important factors that greatly affect the productivity and quality of meat along with cow's milk. Therefore, need prevention and treatment quickly and appropriately for cow disease problems. This leads to the need of livestock expert or veterinarian is very high. Besides raising cows costs are relatively not cheap and also if there are a lot of cow health problem, it will be increase the burden and cost of raising for the farmers. This will be one of the major problems experienced by cattle ranchers. The continued development of information and communication technology can be utilized to do some research in order to pour the expertise of a veterinarian or animal expert into a system.

Therefore, in this research will be build a web application to detect cow disease using the Dempster Shafer method for general detection and Forward Chaining method in cases where symptoms just leads to one disease so that detection process more fast. Both methods have high accuracy in detecting cow disease. This application will produce the output of the possibility of illness in cattle based on the symptoms entered by the user in this case is cattle ranchers. This application is used to detect 30 kinds of diseases with the total number of symptoms are 164 symptoms.

Keywords : cow disease , *dempster shafer* , *forward chaining*, web