



ABSTRACT

Nowadays poultry population and industry have grown very fast, but on the other hand, they have to face on raising of poultry diseases. One of the efforts to fight poultry diseases can be done by early warning system of poultry diseases.

In this research, the writer built a web-based geographic information systems and Dempster-Shafer theory as early warning system of poultry diseases. Early warning system is the term that the International Early Warning Programme coordinated by the United Nations uses for all systems that are used to send emergency population warning.

This research illustrated the usage of Dempster-Shafer theory in identifying poultry diseases and web-based geographic information systems for displaying maps on a screen to visualize the result of identification process.

The result of the research is that early warning system has been successfully identifying poultry diseases and displaying maps on a screen to visualize the result of identification process.

Keywords: poultry diseases, early warning system, Dempster-Shafer theory, web-based geographic information systems