F u u y Expert System for Early Warning
Septicaemia epizootica

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Abstract

The main objective of this research is to develop an early warning expert system to monitor the critical level of treatment of *Septicaemia Epizootica* in certain areas in Indonesia. The method used to approach the probtem domain was limited to vaccination approach method where the early warning information was obtained according to final value of vaccination efectivity score. The system had been designed to utilize multimedia and web technology. The heart of the system is the reasoning engine that implements fuzzy logic to deal with uncertainty in decision making mechanism. The result of this research indicates that the expert system could simply and consistently process the determination of final value of vaccination efectivity **score.** Even more, by exploiting web and multimedia as user interface technology, the expertise resource could be distributed, learned, and implemented without time and place constraint.

Keywords: fuzzy logic, expert system, early warning system, Septicaemia epizootica