

ABSTRACT

Allergies are a health problem that is often faced by people, especially in tropical areas. In addition, the aim of this research is to develop an expert system that can help diagnose skin diseases caused by allergies using the Dempster Shafer method. The method chosen in this research can also manage uncertainty and provide more accurate diagnosis results. In this system, the user will be asked to input several symptoms experienced and the system will provide an initial diagnosis and the percentage of possible skin diseases experienced by the user. The results of the research show that this expert system is able to increase the public's understanding of the types of skin diseases caused by allergies, so it is hoped that it can reduce the incidence of serious skin diseases. Thus, the implementation of this expert system is not only beneficial for individuals in recognizing skin diseases, but this system can also be a health education tool for the wider community.

Keywords: Expert system, skin diseases, allergies, Dempster Shafer method.