ABSTRACT

Health is something that is very valuable, without human health can not enjoy life. Internal Disease is one of the most common diseases. Internal Diseases having a diverse indications and symptoms appear almost similar. Without a good knowledge can lead to mishandling.

The growing sophistication of medical science many things that are very helpful medical personnel to diagnose a disease and treat patients . One tool in the diagnosis of the disease is an expert system . This expert system design using the Forward Chaining and Certainty Factor. Certainty factor value depends on the number of entries match against the symptoms of the disease as well as the value of the certainty factor between symptoms and diseases .

Results of the research by using Certainty Factor based on the results of testing accuracy , the accuracy of the system has been calculated systematically and obtained accuracy of 85.3358 % . Then the application of expert systems is feasible for use as a support or reference in diagnosing the disease .

Keywords: expert system, internal medicine, forward chaining, certainty factor, web