ABSTRACT

EXPERT SYSTEM TO DIAGNOSE DIABETES IN dr.SUZANNA T. NGADIMAN M.KES CLINIC

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dr. Suzanna T. Ngadiman M.Kes Clinic is a general clinic. However, nowadays, the clinic is trying to cure patients with severe disease, such as diabetes. It started because many people from the clinic surrounding got diabetes and they need a place to consult about diabetes symptoms. That is why Expert System is being invented. It helps the Clinic to diagnose diabetes.

The knowledge representation was built by information about diseases and symptoms which related with diabetic diseases then make production rules (if-then rules). This expert system applies forward chaining inference engine method as scanning. For further development, this expert system also support for update knowledge base.

According to the evaluation it can be concluded that this expert system can assist in giving to the diagnosis, initial symptoms of diabetes, and reduce the queuing time of the patient.

Keywords : expert system, rule, premise, forward chaining, diabetic, knowledge base.