ABSTRACT

EXPERT SYSTEM BASED TO DIAGNOSE DISEASES OF OBSTETRICS AND GYNECOLOGY RUMAH BERSALIN AMANDA LEMBANG

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Rumah Bersalin Amanda Lembang is a place for child birth and as a consulting his patients who suffer from health problems. Rumah Bersalin Amanda Lembang's expectations continue to do this has developments that may help reduce maternal and child mortality. Lack of information about the health of Obstetrics and Gynecology, women are still very shy and closed to consult directly about personal health and many health problems with the traditional way. In helping to resolve the issue then builds the application of expert system to diagnose the disease based Obstetrics and Gynecology that can assist, facilitate and provide an alternative form of knowledge of information.

Expert system development process using descriptive analysis method, where data collecting technique used is interview by doing dialogue directly with an expert in giving description to data required, and the study of literature to look for libraries that support. Software development methodology using the waterfall method, while for modeling the data using a structured method of DFD (Data Flow Diagram) in depicting functional model, ERD (Entity Relationship Diagram) to illustrate data model and to produce a diagnosis of disease using a method BST (Binary Search Traversal) to search the symptoms experienced so as to provide early diagnosis of disease.

Based on tests conducted found that the conclusions of this expert system application can help the doctors know the result in early diagnosis of disease experienced by patients and can provides information about how to handle it.

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Keywords*: Obstetrics, Gynecology, Expert System, Diagnosis*