

ABSTRACT

AN EXPERT SYSTEM TO DIAGNOSE APPENDICITIS USING CERTAINTY FACTOR METHOD

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Health is an important asset in carrying out activities so it needs to be well maintained and paid attention to, therefore it is important to equip yourself with knowledge and maintain a healthy lifestyle to avoid various diseases. One of the diseases that attacks humans and is often found in hospitals is appendicitis. The lack of knowledge and outreach to the public about the disease of Appendicitis (Inflammation of the Appendicitis) has resulted in people considering this disease as trivial or ordinary, even though according to doctors, this disease, if not treated immediately and properly, will cause death. Therefore, to help the public and medical personnel in providing knowledge, consultation and outreach about the disease Appendicitis (the Inflammation of Appendicitis) is to design and build an expert system application by applying the Certainty Factor method. The Certainty Factor method has the advantage that it can measure whether something is certain or uncertain, for example in diagnosing a disease. The final result of this research is an expert system for diagnosing appendicitis along with the confidence value of the diagnosed disease, which shows the level of confidence system in the disease.

Keywords: Expert System, Appendicitis, Certainty Factor.

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