

## **ABSTRACT**

### **AN EXPERT SYSTEM TO DIAGNOSE ANGULAR CHEILITIS USING CASE BASED REASONING (CBR) METHOD**

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*This study aims to design an expert system application to diagnose Angular Cheilitis disease using Case Based Reasoning (CBR) method to get solutions and information easily and quickly about the disease. This research method uses waterfall method which begins with the stages of requirement, design, implementation, verification and maintenance. This expert system was designed using PHP Programming Language and MySQL Database. Case Based Reasoning method can be used as a solution in using an expert system to diagnose this angular cheilitis disease in its application this Case Based Reasoning method can provide a percentage of angular cheilitis disease. So that users can make this expert system as one of the applications that can provide assistance in the initial diagnosis of angular cheilitis disease.*

*Keywords: Expert System, Angular Cheilitis, Case Based Reasoning (CBR).*

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