ABSTRACT

EXPERT SYSTEMS DIAGNOSE DENTAL DISEASES USING FORWARD ANDROID FORWARD CHAINING INFERENCE

Clinic is one place that is very important in everyday life. Clinic every day always record and manage patient data which treatment and give a consultation service of patient with doctor specialist. However, in consultation at the clinic with DiatariMedikaPalembag is still considered not good, because the manual record sehigga inhibit time in providing services for treatment and consultation. The Joint Clinic Facility Diantari Palembang provides patients with opportunities for dental consultations, but it is considered ineffective, and takes a lot of time while many patients who want to seek treatment to be examined immediately. To overcome these problems, given the solution with the construction of an Expert System to Diagnose Dent Disease Using Inference Forward Chaining Based Android. Where this system is expected to help the effectiveness in handling patient consultation and do not interfere with the time patients are queued for treatment to be treated by doctors immediately. After the patient uses android-based applications, the patient immediately enter a complaint what is felt applied. When finished menginput perceived symptoms, then appear the name of the disease, the cause of the disease and the solution.

Keywords: Expert System, Forward Chaining Inference Method