ABSTRAK


Kata kunci: sistem pakar, penyakit gigi, konsultasi, algoritma ID3.
ABSTRACT

In this final project, a dental diagnosis expert system is developed. The system is developed based on around 70 real historical data, which consisting of 9 general dental diseases and 23 symptoms. The Weka ID3 implementation is used to build a decision tree which is used as a kind of expert rules. With the help of these rules, a generic rule matching algorithm is embedded in the system. The algorithm takes a series of questions as its input and produces a number of dental diseases prediction as the outcome. The system is developed as a windows-based system using C# programming language. The experimental result shows that the system has a competitive performance against the expert judgment in a 95% statistical t-test confidence.

Keywords: expert systems, dental disease, consultation, ID3 algorithm.
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