ABSTRACT

Web Diagnose Expert System for Diagnosing Diseases that Often Affect Toddler in Bandung Health Department

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Currently, the progression of diseases are very worrying, especially the diseases that can affect our toddlers. These make the parents feel very worried. Moreover, there are some kind of this diseases can cause death to toddlers, so toddler mortality rate is increase. The main cause of the increasing of toddler mortality rate is because the information about the diseases and their symptoms are not spread well, so the parents have less knowledges about the diseases and their symptoms.

The Expert system was made for diagnosing various kinds of general diseases that often affect toddlers through the symptoms. The system could give information about the kind of the disease, the symptoms, and the first aid. The system was built by using inference method called forward chaining and depth first transversal as the searching method. The programming languages that were used are PHP and for the database, the writer used MySQL.

The system was built based on website to facilitate the spreading of the disease's information, so the parents can access them anywhere and anytime they can and they will able to give the first aid to their toddlers who are affected by a disease as soon as possible.

Keywords: disease, toddler, forward chaining, Depth First Transversal, PHP