ABSTRACT

Applications for Diagnosing Skin Diseases in Infants Age 0-1 Years Using the Forward Chaining Method

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One of the important senses for humans is skin, skin is a human sense of touch which is very important to support human life and to support appearance in humans. Technology currently plays an important role in human life and is developing very quickly in various ways. The skin in infants aged 0-1 years is very susceptible to disease because the baby's skin is still adapting to the surrounding environment if it has contracted the disease, consultation with a specialist or dermatologist must be done because it is very dangerous if it is mishandled, but the problem that is often encountered is the availability of a doctor. Expert or a baby skin expert is very limited while many patients must be treated immediately. With this background, the problem that arises is the need for an expert system application for diagnosing skin diseases in infants 0-1 years. This study aims to provide a solution to this problem, namely the availability of an expert system application prototype to diagnose skin diseases in infants aged 0-1 years. This application also helps provide education and consultation to the public about the dangers of infant skin diseases in early children. This application also provides diagnostic results, causes of disease, and ways of treatment. The programming method in this application uses the Forward Chaining method. This application is made using the Hypertext Preprocessor (PHP) programming language and the Mysql database. The result of this study is an application prototype for diagnosing skin diseases of 0-1 year-old infants that works well according to the design.

Keywords*: Skin Diseases, Babies, Expert System.*

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