

## **ABSTRACT**

*Health is the most precious thing for human beings, because anyone can experience health problems. Likewise on the toddler, as it is very susceptible to disease. Many a sick toddler shows that parental level of understanding about the health condition of a toddler is still very lacking. Within the family each parent would like to give something that is best for their toddlers so as not to expose to the disease. Therefore it's very necessary for parents to have an active attitude for understanding and awareness about how important about the health in toddlers.*

*The reach of health information on toddler must be improved. So that parents have the knowledge how to diagnose health problems in their toddlers early. With the help of technology development parents can have parenting insights and can diagnose disease in toddlers by creating an expert system application. Application is that can guide parents in diagnosing diseases in toddlers early. Expert system built using the method of certainty factor to process searches the disease at once indicates the level of accuracy of the diagnosis.*

*The result of this final project is the ability of expert system in diagnosing the disease suffered by toddlers. From the accuracy testing of the system that consists from three testing, then the average value obtained from the results of these three tests was 86.6%. This shows that the application of expert system has been able to conduct a diagnosis of the disease in toddlers and provide solutions based on the handling of the disease are known.*

*Key words: expert system, Certainty Factor, diseases of toddlers*