

Abstract

In diagnosing and analyzing the patient's disease , a doctor would have to have enough knowledge about the various penyakit.karena it concerns the safety of any person . There is a mathematical way to diagnose a disease , such as by using case -based reasoning and K - nearest neighbor algorithm . Case based reasoning method are included in the expert system that uses the data in the past to look for solutions to new cases with a value kemiripanya . While the K - nearest neighbor algorithm is a way to calculate the value similliarly the new case to be the solution.

Results from this study are implemented in the form of android based applications . This application has been tested by a specialist in the field of ENT and have satisfactory results , as well as young doctors as correspondents participated test this application with 79 % of the value scale 100% .

Keywords : case -based reasoning , android , expert system , THT diseases

