ABSTRACT

APPLICATION OF DEATH CAUSE IDENTIFICATION AT CIRAI RESEARCH UPK - FKUNPAD

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As research in general, CIRAI research also has major activities in the form of gathering research data. Processing of complex research data such as mortality data requires an application that is able to manage research data from the data input process until the presentation of information needed. Mortality data are processed here is a verbal autopsy data with reference data corresponding ICD10 as reference. One technique that can be used to make the process of presenting data information is data mining. Which is data mining can discover knowledge in the data. Data mining techniques used in the identification of the cause of death application here is the classification with decision tree. These techniques make the search process or model that explains the functions or classes or distinguishes the concept of an unknown object label.

With this cause of death identification application can help the research in managing research data and produce information identifying the cause of death from the results of the research data. This application is useful both from the data entry for managing research data (input, edit and delete) as well as from the data manager to identify the cause of death for the further study of the research results of the input data by the data entry.

Key Word: Mortality Data, Death Cause, Verbal Autopsy, Data Mining, Decision Tree