Sistem Pakar Diagnosis Penyakit ISPA Menggunakan Metode Decisison Tree
(ARI Disease Diagnosis Expert System Using Decision Tree Methods)

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ABSTRACT

One valuable thing in life is health. Become extremely expensive if we are suffering from an illness. Especially on erratic weather like today. Climate change is expected to lead to various diseases, including ARI (Acute Respiratory Infection) whose cases are increasing every year. Moreover, respiratory symptoms are often ignored because it is already common. Though if constantly left unchecked, it can cause death ARI. Therefore, the need for early detection of the symptoms of respiratory disease that can strike people of all ages. The purpose of this study is to assist the community in order to optimize health care in respiratory disease management efforts. Makes it easy for the public to learn that there are a respiratory disease community's efforts to prevent the disease early. The program can be accessed directly and can provide accurate data on all information related to respiratory diseases. Advantage of the application program from an expert or a doctor is that we can confirm a diagnosis of the disease quickly and accurately. The experiment was conducted using the method of Decision Tree. The output of this program is ARI Disease Diagnosis Expert System Using Decision Tree Method. To the data contained in the expert system includes data on the number of patients suffering from respiratory diseases for five months in 2013, the symptoms experienced by the patient and the healing action of ARI.

Keywords: Expert system, ARI, Decision Tree Methods