PERAMALAN JUMLAH PENDERITA DEMAM BERDARAH DENGUE (DBD) MENGGUNAKAN METODE FUZZY PADA PUSKESMAS SIWALANKERTO

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ABSTRACT

Dengue Hemorrhagic Fever or what we often hear with DHF is a disease that we often encounter in our environment, even now cases of DHF have spread in 472 districts or cities in 34 provinces. Fuzzy logic is a method that has a vague or unclear meaning. So, fuzzy logic is logic that is fuzzy, or contains elements of uncertainty. This theory is used in the fields of control theory, decision making, etc.

There are three variables in this study population density, frequency of drainage, and cases of DHF. The data used are 2015-2020 data and the data to be tested for the output of this research is data in 2020 where the data for this year is data that has never been tested before. The forecasting results are based on research on 72 input data and 12 data used to validate the forecasting results using the Mamdani fuzzy method to get an accuracy of about 83%.

Keywords : *Demam Berdarah Dengue (DBD), Siwalankerto Health Center, FuzzyMamdani method*