

ABSTRACT

At the beginning of 2020, almost all countries in the world, including Indonesia, were facing the Covid-19 pandemic or the corona virus. The risk of transmission of COVID-19 can be avoided with community discipline by reducing activities in the middle of a crowd if not interested and implementing health protocols. Advances in information technology make it easier for people to obtain data easily which tends to be excessive, classification activities carried out by humans still have limitations. Based on this case, research was carried out to narrow the area, namely Tangerang City as a source of information on the spread of the COVID-19 virus. The data mining technique used is using the C4.5 algorithm. The classification is using a positive or negative status infected with the COVID-19 virus. To process the initial data, that is by manual calculation of the C4.5 algorithm and *testing* using the RapidMiner software. Next, evaluate the results of the accuracy of the C4.5 algorithm method that has been applied. Based on the classification results on RapidMiner with 4 trials, it produces different accuracy.

Keywords: COVID-19, C4.5 Algorithm, Classification, Confusion Matrix