

ABSTRACT

The spread of COVID-19 in Indonesia is making us as the fourth country with the most positive cases in Asia. In Indonesia, Jakarta is in the first place with the highest number of positive cases. It was recorded that on May 1st, 2021, there were 4,512 cases of COVID-19, so that the accumulation of positive COVID-19 cases currently amounts to 1,672,880 cases. Of the several policies established by both the central and local governments, not all Indonesians adhere to them, so we don't know how many more cases will be occurred in the future. Therefore, it is necessary to make a prediction by making a web-based model using data on positive cases of COVID-19 in Jakarta. In this study, the Exponential Smoothing method was used to predict the number of positive cases or trends from COVID-19 in the short term, especially for the next month. The Exponential Smoothing method was chosen because the data used in this study is stationary. This prediction can be used as a reference for related studies requiring prediction of the number of COVID-19 patients in Jakarta and as data to support policy-making for handling COVID-19 by the Provincial Government of Jakarta. The prediction results for July 28, 2021 using the Exponential Smoothing algorithm are 79147,742 cases, with the MSE of 3655.713.

Keywords: *Exponential Smoothing, COVID-19, Jakarta, Model, Prediction*