

## ABSTRACT

**Dewi Sri Usman.** Forecasting Forest Destruction of Nani Wartabone Bogani National Park in Gorontalo by Applying Double Exponential Smoothing Forecasting and Simple Linear Regression (It is supervised by Muhklisulfatih Latief, S.Kom, M.T and Manda Rohandi, S.Kom., M.Kom). Forecasting is an activity to estimate what will happen in the future such as the forecasting on future forest destruction of Nani wartabone bogani national park in Gorontalo. The increase of forest destruction can lead us to the global warming such as natural disaster (floods and landslides) which can disserve the community and local government. The research applied 2 forecasting method such as *Double exponential smoothing* and *Simple Linear Regression*. The results of forecasting process which almost reach truth value of forecasting or error value is smaller than previous forecasting value as it amounts 615,96 Hectares in 2014. The method of simple linear regression for next year forecasting does not approach the truth value of forecasting or error value is higher than previous forecasting value as it amounts 616,92 in 2014.

**Keywords:** *Forest Destruction, Forecasting, double exponential smoothing, Simple Linear Regression method.*

