

## ABSTRACT

*Water is one of the vital needs in human survival which is mainly used for drinking and cooking. The average need for drinking water per capita per day is 1.5 liters, meaning that if in one household consists of 5 household members, then in one day the household needs a minimum of 7.5 liters of water to drink. Therefore, the availability of sufficient drinking water for each household becomes important in meeting the most basic needs of life.*

*From the results of the study it can be concluded that the results of forecasting with the smallest error value obtained in the province of South Sumatra with a forecast of 54.7829 and RMSE of 0.000467, the province of DKI Jakarta with a forecast of 0 and RMSE of 0 and the province of South Kalimantan with the forecast of 50.406 and RMSE of 0.010859.*

**Keywords:** *Forecasting, Single Exponential Smoothing, Decent Drinking Water.*