

## **ABSTRACT**

Aircraft have the advantage to reach mileage in a very short time. Flight delays can be caused by several factors such as changes in weather conditions because with weather changes can cause delays and damage to the aircraft system can also cause passengers to wait and fill the waiting room at the airport. With this research providing information to passengers by helping to determine flight delays through web-based applications by obtaining patterns or models from data that had been there for two months. The aircraft delay analysis uses the exponential smoothing algorithm method to make predictions that will occur in the future.

The aircraft delay prediction website application is a web-based application that is used to find out delay predictions on November 1. Exponential smoothing method is a good method for forecasting in the long term and short term. The results obtained for the prediction of aircraft delay to obtain the level of accuracy with the value of MSE, MAPE.

**Keyword :** *Exponential Smoothing, website, delay.*