

## **ABSTRACT**

*One of the most important things from the element of a country's sovereignty is the existence of an element of sovereign airspace. Speaking of law enforcement in airspace, of course it is the responsibility of the Air Force as the front guard in the territory of the country. Each country certainly has its own problems regarding their air sovereignty territory, including the Indonesian state. The presence of foreign aircraft entering without permission from the country concerned is one of the many problems of air sovereignty of a country.*

*Therefore the author wants to make an aircraft detection application using a smartphone that can later assist the task of the relevant personnel in detecting foreign aircraft and military aircraft. Of course later, this application will not be disseminated to civil society because the data is certainly Classified or confidential.*

*The method used in this Final Project is an Android-based Smartphone because, in general, Android Smartphones have been used by almost all people. Of course later, this application will not be disseminated to civil society because the data is certainly Classified or confidential. In this final project, the limitation of writing from the author is that this application is only simulation and the data used is only the "dummy" data to get the original data, certainly not allowed from the relevant parties.*

*After testing the data transmission between the data server to the mobile device, there is a time delay of 10 seconds by comparing the time between the data server and the mobile device.*

***Keywords: Smartphone, Android, Aircraft Detection***