**ABSTRACT**

The research and development were based on the effect of Airport operation towards the nearby residents. It is caused by the airplane noise that becomes the problem for the Airport nearby residents. The main source of the Airplane noise is from the jet primair machine. The noise mainly created by the movement of the Airplane machine parts such as fan, compressor, and turbine convex blade.

In addition to this, the residents have no recognition about the ideal distance between the settlement and the Airport area and while the problem is still continue, it caused them forced to live in the distinct area.

The purpose of this research was to find the effect of Airplane noise towards the nearby residents and to determine the problem so the nearby residents could recognize the negative effect from the Airport nearby settlement.

Keywords: noise, airport, effect