

## **ABSTRACT**

*Projector is a tool that serves utnutk display text, pictures or charts on a projection screen or similar surface that looks more clearer and bigger. In everyday life the projector is often used for various purposes such as for presentations to educators, business users, mobile professionals, Display exhibition, and home theater. To use this projector using a cable that connects the PC or laptop to the projector. However, it is considered less flexible because users are required to use a PC or laptop is not flexible to carried anywhere.*

*Therefore, the final project will be made an air-bloototh device that can connect to a projector using bluetooth. This tool will be able to use the air-bluetooth android phone in which there are programs and applications to enable the projector to open a page that will dipersentasikan. For the type of constituent components used Arduino microcontroller and bluetooth module.*

*The expected result of this Final Project is a tool that serves as an external bluetooth on the projector that can be accessed via mobile phones based on android to projector with remote control. So as to apply no longer need to use a cable to connect the projector. The parameters of the tool made it adjusts the parameters of a bluetooth to be able to perform its function as a receiver as well as integration between mobile phone with projector itself.*

*Keywords: Projectors, Bluetooth, Android, Microcontrollers, Arduino*