

## **ABSTRACT**

Lamp is one of human needs that cannot be ignored. The lamp is usually moved by the user that make user have to go to the place of the switch for control the lamp. To reduce human movement and make time efficient, the lamps can be controlled by Android and voice commands.

The system built is a lamp control system using voice commands based on Internet of Things (IoT). Sound processing will be processed by Google API as a tool in this Final Project. By using IoT, users can monitor and control the lamp from far away.

This system can produce outputs that have estimate time to control the lamp about 3-4 seconds with 1.5 meters as the distance with the accuracy of system more than 75%.

**Keywords: Lamp, control, Internet of Things, systems.**