Abstract

Lights are an important component in theater performance. good cable management and settings are needed to make lighting management easier to control and monitor lights, while the use of lights in several theaters in Bandung and surrounding theater forums still uses a lighting control and monitoring system which currently uses cables. A lot in order to get the right position for lighting stylists control the lights so we need an effectiveness in controlling and monitoring the lights that can minimize the time and cost for settings by using remote control that utilizes an Android-based smartphone with a *bluetooth* wireless network,the method used in making microcontroller-based controls and monitors using an Android smartphone is a prototype. This research method consists of several stages, library research, analytical methods, design and implementation methods. The result achieved is an improvement in the aspect of comfort and convenience for lighting designers to reduce the use of cables and to get the optimal position for arranging light, in which a series of these devices It can work after the *bluetooth* device available on the Android smartphone is connected to the *bluetooth* module which is connected to the Arduino microcontroller.

Keywords: Theater, Staging Lighting, Arduino, Lamp Module, Bluetooth, Android.