ABSTRACT

Light control is one of important aspect in art shows. Lights are being controlled to simulate the atmosphere of the show using science and technology. Usage of followspot on art stage is to focus the sight of audiences on object that being the center of attention of the show. Conventional followspot needs one operator for each light, that causes the need for more operator to operate more than one light, causing the high cost needed to pay the manpower.

A followspot control system is built in this final task. The control of followspot in this system will be done from distance using wireless connection and it only takes one operator to control two spotlight reducing the amount of operator needed to operate followspot. Operator controls this system through a web application that connects to a microcontroller system Arduino through WiFi connection.

The result of this final task is a system that can replace the conventional followspot system that needs a lot of operator. On this final task, a model sized 60cm x 40cm x 40cm is made to models the system. Further research on full scale stage is needed to apply this system to a real stage.

Keywords : *Stage lighting, Control, Arduino Yun, Servo, WiFi*.