

ABSTRACT

Technological developments are very rapidly has created a very big world, one of the functions is the use of concert accessories in the form of a stick. This accessory is a device held by the audience in the concert concept of glow in the dark. Because of the advanced technology then the more competitive headset. In this final project, concert bracelet making becomes one of the revolution of the LED stick, the bracelet function is more effective than the LED stick, the exercise is done in the form of bracelet and with more sophisticated technology that is based on wireless sensor network using radio frequency as a broadcast method, the light plan issued from one concert to another is in harmony with both color and blink. This concert bracelet works when the transmitter gets input in the form of sound obtained from the sound sensor and processed on the transmitter microcontroller then sent using radio waves to each bracelet so produce output light. This concert bracelet test held in Telkom University Hall.

Keywords: Wireless Sensor Network, Radio Frequency, Sound Sensor