RANCANG BANGUN PENERANGAN JALAN OTOMATIS BERBASIS ARDUINO

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ABSTRACT

This study aims to create a prototype monitoring or automatic street light control. The design of this tool is connected to software and hardware. The design of the software includes the Arduino program for readings from the light sensor. Then the hardware design in this system starts from the design of the PJU lamp which consists of a series of light sensors which function as a tool to measure the brightness of the light in the system. The subject or respondent in this study is the design of the street light control system. The object of this research is the automatic street light control system which is the research target. The results of this study are automatic street light control using a light sensor with a source of electrical energy and a stepdown module that is integrated with the Arduino Uno microcontroller using a programming language so that it is able to detect light intensity to the LDR sensor whose value is a parameter to regulate the LED light.

Keywords*: Arduino, Public Street Lighting, LDR.*