

RANCANG BANGUN SISTEM PREDIKSI KENDALI LAMPU RUMAH MENGGUNAKAN MACHINE LEARNING

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ABSTRACT

Technology has experienced very rapid development. There are many new technologies that can help complete human work, one of which is Artificial Intelligence technology. This technology can still be used very much by offering various advantages, of course. Based on controlling house lights which are generally still done manually with various factors of human negligence in its operations, the authors use Artificial Intelligence technology to design a home light control system that can do self-learning to increase adaptive efficiency and accuracy. The making of this tool starts from the design of the tool and continues with the assembly of the components. The main component in this system is the RTC-I2C Module as a timer sensor and the LDR Module as a light sensor. These devices are connected to NodeMCU as a microcontroller which will process the control system using the Machine Learning method as a learning method.

Keywords: *Control System, Machine Learning, NodeMCU, RTCI2C, LDR.*