

ABSTRACT

How to design an efficient and easy-to-use NodeMCU ESP8266-based home light control system architecture. How to implement the ESP8266 NodeMCU as a light controller at home. How to reduce unnecessary energy use in controlling lights at home by using a NodeMCU-based control system ESP8266. This research on Smarthome is based on IoT using the NodeMcu Microcontroller. This is made at home. Because there are some electronic devices such as lights, fans and water pumps that are still manual, I refer to making electronic devices in an automatic way. to control all devices using Blynk Iot and connected with the NodeMcu Microcontroller. The design can run well and the system can work optimally. The NodeMCU Esp8266 implementation with the BLYNK Application can run well, internet-based. This IoT system can protect its users well because its operations use smartphone users. This design can be used as a reference in the development of home security automation systems and automatic electrical devices, such as door and window locks.

Keywords : Internet of Things, NodeMCU Esp8266, aplikasi Blynk.

