

Abstract

Power resources are needed by modern society as it is today. However, it often happens that unused electricity use results in wasteful electricity consumption. This can affect the increase in electricity bills significantly. Therefore, it takes a person who can control the home light automatically and remotely. The system is a remote controller using NodeMCU. This system can turn on and off the house lights remotely without having to go back home. In this system, NodeMCU serves as a server to store all commands and configurations. This system is connected to an internet connection, and to set the home light, homeowners can access the Android application as the interface of this system. By using this web homeowners are able to control, turn on or turn off the house lights automatically.

Keywords: Android application home light controller; NodeMCU; Android; Relay; Real Time Clock;