

ABSTRAK

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IOT-BASED AUTOMATIC PLANTS (NODEMCU ESP32) AND TELEGRAM

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Current technological developments have led to simplify human daily life, where almost everything can be automated using the Internet of Things. The application of the Internet of Things has many benefits in everyday life, one of which we can use to automate in the field of Agriculture. People who have plants can water plants without being hindered by distance and time, they can water their plants from anywhere and anytime. To make automatic plant sprinklers with the telegram application, a NodeMCU ESP32 is needed which already has a Wifi module so that it can be connected to the internet network. In addition, a relay is also needed that acts as a digital switch that can turn on the water pump according to the orders sent. In addition, jumper cables are also needed to connect all the circuits into a complete circuit. Therefore, this plant sprinkler will be able to water the plants with commands sent by the user via the telegram chat application from anywhere and anytime so that it can make watering plants easier.

Bibliography (2010-2020)