

ABSTRACT

Hydroponic farming has become a trend at the moment because the media using water instead of soil, but it has lack of time for people with a solid rushing. Today, automation system has been applying in almost every field of work that aims to help facilitate the work of man, because it is computerize. Using a microcontroller with Atmega IC 328P is integrated with a variety of sensors, automation system for hydroponics, among others to set activate the pump, LED grow light, fertilization system, and provide information to the owner of hydroponics.

Keywords: Automation System, Hydroponics, Microcontroller, Censor.