ABSTRACT

in agriculture there is a problem such as uncontrolled plant conditions, namely lack of plant moisture and controlled process of watering plants. One alternative solution offered is the use of information technology for monitoring sistems, this causes plant not to be managed properly. For thsi reason a monitoring sistem is needed that can manage plants practically but does not reduce the quality of these plants. This sistem was built in stages starting from the design of mechanical devices; configuration of sensors, microcontrollers and actuators; testing tool functionality; calibration of measurements from sensors to measuring instruments; synchronization of monitoring dsplay with the results of sensor readings

Keywords: arduino nano, arduino uno, sensors.