

ABSTRACT

Creating of automation system feeding catfish is a method of feeding fish that is useful to reduce human activity in raising catfish. When the catfish is hungry the catfish will splash water, and from the sprinkling water it generates a sound of 50-150 dB which will be used by the sound sensor as input data to Arduino Uno. Results of data processing will be sent to the servo motor to move the catfish feed. when detecting 50-100 dB of water splash, the servo motor rotates once by opening the feed for 180° and for 1 second, and if it detects 101-150 dB of water splash the servo motor will rotate 2 times. From the test results that have been done the system can drive servo motors and spill feed in accordance with the intensity of sound received by the sound sensor.

Keywords: Sound Sensor, Servo Motor, Arduino Uno, dB