ABSTRACT

Fish cultivation will be a promising livelihood if it can be occupied and tenacious in its management. So that it will be more advantage if there is an automatically device for helping the cultivation activities is going to be easier. In fish breeding business activities, a lot of obstacles are often found especially in the counting process of the number of fish. Because of this condition gives an idea for making a counting fish device automatically. In the process of making this device, the writer uses arduino uno as control system at this device, and ultrasonic sensor is a sensor to detect fish which will be counted, and how the tool works when fish will be counted while passing the sensor. So there is a container and its inside, the sensor has been installed for fish, if the fish passes through the ultrasonic sensor, the buzzer will sound and the device is going to start counting and then display it on the serial monitor. In tests tested on 10 fish with an ultrasonic sensor distance of 8 cm, the percentage of success achieved by this fish counter was 100 percent.

Keywords: Arduino Uno, fish counter, Smart Counting, Ultrasonic.