

ABSTRACT

In the production process at the fish auction place, especially in grouping fish, weighing fish and counting the number of fish is still done manually, so it requires a long time and is less efficient in the process. however, if the process can be cut off automatically it will be more beneficial for the community especially for the worker. therefore, automatic weighing uses a LOAD CELL sensor, and the INFRARED proximity sensor is used as a count of the number of fish and off the driving mechanics, for drive mechanics using conveyors, dc motors as conveyor drive cores. And Arduino Nano as a microcontroller programming.

By taking data from the LOAD CELL sensor in calculating the weight of fish in the container, and taking data from the infrared proximity sensor in calculating the number of fish when passed, then the thing to do is to make the process of moving from a container that has been filled by using a conveyor to the final destination and will pass through a second infrared proximity sensor to stop the conveyor process.

Keywords: Infared Sensor, LOAD CELL Sensor, Servo Motor, Arduino Nano, Fish Weight