# ABSTRACT

In the production process, especially the separation of fish is still done manually, so it takes a long time and less accurate when doing the selection of the goods. However, if the production process is done automatically it will be more profitable for the community, especially the fish sellers and the workers themselves. Therefore, the automatic sorting tool uses a PING sensor that is useful for detecting the value of fish length and servo motor as a mechanical auto-fill and DC motor as a conveyor to move the goods towards the PING sensor and servo motor, Arduino As microcontroller programming. By applying the characteristics of the PING sensor in reading the distance value on a conveyor system sorter fish, then the thing done is to do the sorting by using the PING sensor to identify the value of the size of the fish length Different lengths.

*Keywords*: *Automatic sorting tool, PING Sensor, Servo Motor,  Arduino UNO, Length's Fish.*