ABSTRACT

Food is a necessity most needed by all living things. Values that can be measured quite easily are like measuring meal weight by weighing food that is good for our own bodies. Because of that, there are many problems with feeding the fish itself, such as lack of food for fish which causes death and there is also overfeeding which causes leftovers to float and damages the air ecosystem. The manufacture of feed with a weight sensor based system with suitable feed is needed as a problem management innovation. This tool is designed by utilizing a load cell and the main controller Arduino for weighing, and later this tool will to reduce the mortality rate of fish in terms of floating food scraps that can damage the air ecosystem in the pond.

With the method of open loop and close loop systems for removing fish feed with a total accuracy value of 96.62 and a presensate error of 3.6%, the calculation of the time for fish feed output through a servo motor delay is 3.58 to 14., 82.

Keywords: Load Cell, fish feed, feeding system.