**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.

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