ABSTRACT

Feeding fish in fish farming is very important for the continuity of farming activities. With the current situation which is still based on conventional methods, fish feeding still depends on limited human resources. Irregular feeding of fish and the bad maintenance which is sometimes neglected due to these limitations can cause the quality of the fish being cultivated to decrease. This will not have a good impact, especially for fish farmers because the goal of fish farming is to produce the best quality fish.

With limited human resources, there is an urgency regarding more effective and efficient fish feeding. Encouraged by the use of technology that is increasingly close to humans, technology personally plays an important role in helping human life. Encouraged by this fact, there is an urge to make tools that can help human work in cultivating fish, especially in terms of feeding it.

The results of testing the automatic fish feeding system based on Internet of Things (IoT) technology on a farm scale showed effective outcomes. This fish feeding device system proves to be effective in addressing existing issues. The system accurately dispenses fish feed and, furthermore, the device operates well, assisting fish farmers in adhering to feeding schedules with precise measurements. Periodic monitoring can also be conducted more conveniently. Fish farmers can monitor and maintain the quality of their livestock fish through digital devices such as smartphones.

Keywords: Internet of Things (IOT), Fish Feeding, Monitoring, Scheduling, Smartphone