

ABSTRACT

Indonesia is the only country that has the most ornamental fish species in the world. Indonesia has 600 species of 1,400 species of ornamental fish that exist around the world. So, no wonder, many people say Indonesia is a paradise for ornamental fish in the world. In addition to its type, many Indonesians also like to keep ornamental fish, because it is easy to maintain, and minimal maintenance makes its fans always increase.

The purpose of this study is to make it easier for someone who keeps ornamental fish, when the owner of the fish is not at home and cannot provide fish feed directly. To inform fish owners of feeding through the Telegram Application. To prove that IoT-based automatic fish feeding tools can be done in realtime.

Research methods used, literature studies with data collection, on internet sites and supporting books. Design by making tool designs based on literature results. Test and work by testing the tools that have been designed and seeing how the tools work.

Remotely controlled fish feeding device. The tool aims to feed pet fish when the owner leaves it for quite a long time. Fish feeding devices can also provide temperature status to the aquarium. The success rate of the system is determined by calculations: a servo motor experiment with twenty data produces twenty data that is read so that no errors occur in this tool.

Keywords: Ornamental fish, Fish feeder, IoT