ABSTRACT

Fish is one of the most popular side dishes locally and internationally as a supplier of nutrition for humans, besides that fish is very easy to get and the price is still affordable for all circles. However, there are many fish on the market that are of very low quality or in other words fish -fish that do not contain many nutrients, so far the control of water conditions in ponds or aquariums is still done manually. Therefore, a water quality monitoring system for ponds and aquariums is needed to make it easier for the owner of the pond. This system will facilitate the maintenance or cultivation of fish and with this system we can monitor or control water quality with precision and accuracy. The method used by this tool is a prototype, this system will display some information about the conditions in the water including pH, water, salinity of the water and the last is the temperature in the water with these three things, the condition or quality in the water will be good for fish health and for human health. Later, other tools that can be put together to the ship can feed fish in the middle of the fishpond and can store electric power as an alternative power supply independent energy source to regulate and find out the source of electrical energy of the Apiofish robot Creating a system measuring salinity, pH and water temperature in the Apiofish robot.

Keywords: measuring system, rf.