Abstract

Fish cultivation is one of the promising businesses, due to the high market demand in fisheries. Gouramy fish is a fish that has a high selling value besides this fish is very liked by the community because it tastes delicious, processed into any food it tastes good. But the interest to cultivate this type of fish is less because of the strong assumption that carp fish including slow-growing fish. In carp breeding problems that are often faced by the owner of the pool that is in terms of treatment such as feeding the carp on a regular basis and monitor the water temperature and water pH optimal for the growth of carp.

With the development of technology, it can be utilized in assisting carp care with *IoT*, where by the pool owner can arrange manual feeding by arranging in mobile application, knowing temperature and water pH at of pool and know feeding condition at feeding place. In the device there are sensors to detect the state of temperature and water pH in the pool and detect feed conditions on the feed and send data to the *server* and can be viewed by the user through the mobile application.

Keywords: Gouramy cultivation,internet of things.