

ABSTRACT

Guppy farming is one of the areas of animal husbandry that requires regular monitoring if it wants to produce quality cattle and minimize the mortality rate. At this time monitoring of guppy fish farming is still done manually. There forec required monitoring system to facilitate guppy fish farmers. This system uses a web-based system. This web-based system serves to monitor and control the pH value and for its salinity value is monitored only. This website is created using the PHP language, Java Script, and ajax and Mysql for database creation. The way this monitoring and control system transmits pH data and the salt content sent by the sensor will then be stored and in the hosting database. Data in the databse will be displayed on the website by using wireless media to facilitate users to view data and information from a distance. In addition, farmers are easier to know the value of pH content and salt content dissolved in water. For dangerous grades of salt value less than 209 and more than 210, if for pH less than 6.5 and more than 7.5. Breeders are also facilitated to control pH with servo motors through the website, so breeders can prevent if the pH content dissolved in water is harmful to guppy fish.

Keywords: Guppy Fish, Database, Website