Abstract

Utilization of technology in helping human tasks is needed in all areas including in the cultivation of giant prawns, which is in monitoring the quality of water in the pond of shrimp seeds. Water quality becomes one of the factors that can affect the quality of the shrimp seed. If there is a significant change in the quality of pond water, the giant prawns can cause uneven shrimp growth. Therefore farm giant prawns should often check and also be around the pond.

Therefore, to utilize the time that can be used for other activities, the giant prawns farmers do not always routinely come to the pond to see the condition of water quality in pond prawns. This is the basis of the idea to save shrimp farmers time in cultivating giant prawn seeds through the application of SC (Shrimp Cultivation) entitled "***Galah Shrimp Cultivation Monitoring Application Based on IoT*** ".

This application can monitor the quality of pool water from the pH and water temperature of the pond. This application may also notify farmers if there is a significant increase or decrease in temperature and pH of the shrimp pond. So that shrimp farmers do not always check the condition of pond prawns. This application can be used anywhere, as long as the smartphone used to connect to the Internet network. With this application, shrimp farmers can monitor shrimp ponds remotely and save farmers time for other activities.

Keyword : *shrimp, android, internet of things.*