ABSTRACT

Fresh fish as a producer of high protein affordable by all walks of life can be an alternative to fulfilling the daily protein requirements. Fish become a source of unsaturated fatty acids, taurine, and omega-3 fatty acids, especially in fish species of tuna, tuna, mackerel, and lemuru.

In fish farming is generally about 60-80% of production costs spent on feed requirements. Feed effect on the growth, reproduction, and maintenance of the fish's body. Therefore, monitoring the amount of feed given becomes important to note that more efficiently. Besides feeding time also should not be arbitrary. Good feeding is scheduled in a timely manner and do not change.

As the development of mobile technology which is rapidly increasing, the growing number of users is also increasing. One of the popular mobile technology is Android. Operating System (OS) that is now widely used in mobile phones provide an open platform for anyone to develop applications.

In this final task designed an integrated system of Android smartphone apps with Raspberry Pi as a web server that can set time scheduling and monitoring the feeding amount of the fish pond. Thus it is expected that the monitoring and regulation of fish feed in aquaculture pond can be more efficient.

Keywords: android, raspberry pi