ABSTRACT

Indonesia has almost 62% of the seas and waters, therefore Indonesia's potential is very large in the field of fisheries. In the diversity of marine and fresh fish resources, efforts are used to protect their sustainability through aquaculture, The Center for Fisheries Research. Bfish farming there are important elements for growth and production, namely feed and the feeding process. One of the main challenges faced by aquaculture development is management in maintenance and survivability.

Autonomous Fish feeder is a solosi for automatic feeding in large ponds, because when manually feeding, it makes fish feed uneven distribution. Navigation on the Autonomous fish feeder is useful to facilitate all the work of farmers so that there is no need to directly supervise the pond. It is enough to keep an eye on the movement of the Autonomous fish feeder through the dashboard. The navigation system on the Autonomous fish feeder uses neo-6M-V2 GPS.

The test results on autonomous fish feeder navigation have a 95% accuracy rate with an average error value on GPS of 4.21%.

Keywords: Autonomous Fish feeder, Dashboard, GPS Neo-6M-V2, Swarm boat.