ABSTRACT

Feeding fish in fish farming is generally still done manually or feeding manually by hand which causes the dose of feed given to be incorrect. There are lots of fish farms that still use the manual method of feeding which causes the feed dose to not match the number of fish in the farm. The purpose of this research is how effective is the use of smart feeders in fish farming rather than manual feeding. the use of a smart feeder for fish feed can be measured according to the needs of the fish, which makes the feed given to the fish according to what is needed. Through this research an analysis of automatic fish feeding was carried out to determine its effectiveness. The method used in this study is the system usability scale (SUS), SUS is a method used to determine the usability of a system. by giving questionnaires in the form of questions to respondents to find out how efficient the use of automatic fish feed is compared to manual feeding. the result obtained from the calculation using the SUS method is 61.25. Overall the score is "Grade D" with an Adjective Rating which is in the "OK" rating category. From the results of the research conducted, it is known that feeding using a smart feeder is more effective than manual feeding, this result is obtained from the results of data collection that has been carried out.

Keywords: Automatic feeder, analysis.