

RANCANG BANGUN ALAT PEMBERI PAKAN IKAN OTOMATIS BERBASIS IOT MENGGUNAKAN APLIKASI ANDROID

Rifa'i Setiawan

*Program Studi Teknik Komputer, Fakultas Sains & Teknologi
Universitas Teknologi Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
E-mail : rifaisetiawan1976@gmail.com*

ABSTRACT

The process of fish farming at this time is considered to be far from efficient. It is necessary to monitor the feeding regularly so that the fish get feed in a timely manner which is related to the growth period of the fish. Therefore, the authors created a tool that can monitor the amount of available fish feed and create an automatic feed scheduling system that is adjusted to the age of the fish. This tool uses the ESP8266 microcontroller, Ultrasonic Sensor as a monitor whether or not the feed is still. And Servo as an open and close on the fish feeding hole. From this study, the results were in accordance with the objectives where from the 5 days of the experiment it was said to be in line with expectations.

Key words: Internet of Things, Automatic Fish Feed, Blynk IoT