

ABSTRACT***AUTOMATIC CAT FEEDING EQUIPMENT CONTROL SYSTEM OF
BASED ON THE INTERNET OF THINGS*****By****GALUH BERLI OKTAVIAMI**

Cats are one of the pets that are very popular among people recently. However, nowadays it is important to keep pet cats healthy. What needs to be paid more attention to is the cat's food and care factors. If cats are not susceptible to disease it can endanger the owner's cat. This research is entitled Automatic Cat Feeding Equipment Control System Based on The Internet of Things. The input consisted of 2 pieces of sensors namely ultrasonic sensors and load cell sensors. The microcontroller used was a Nodemcu ESP8266 minimum system board. The output system is in the form of a servo motor, and LCD and the application is used to monitor sensor reading results and feed control. From the results of the ultrasonic sensor test, it can be seen that if the measuring distance of the feed tank was measured >5 && <20 then feed is still available, whereas if the ultrasonic sensor measurement results If the tank was filled with feed >20 cm then the feed ran out. From the test results of the load cell sensor, it was seen that if the load cell reading was >0 && <5 grams then the servo motor moved to 0° opened to fill feed while if the load sensor reading resulted cells >100 grams then the servo motor moved to 50° to close the feed meaning the feed is full.

Key words: Cat, Internet of Things, Load cell, Ultrasonic

