

ABSTRACT

Cats are animals that are often nurtured by many humans. Often when caring for cats, no time to check the health of cats, this can make many cat keepers difficult after finding their cats seriously ill. For now the system carried out in cat health checks is to bring the cat to the veterinarian when the cat's condition is very weak. Therefore, it is needed a system that can deal with problems to minimize the constraints that exist in the health of cats. The system will be made using NodeMCU which functions as a system microcontroller. LM35 sensor functions as a detector of body temperature of cats. Pulse sensor serves to detect the cat's heartbeat. ESP8266 module functions as a module sending data to the server so that it can monitor via the web, the results of the LM35 Sensor and Pulse Sensor will be sent to the web to see the body temperature and heart rate of the cat. With the system, which will make this keeper can see the health of the cat's body through the heart rate and body temperature if the heart rate and body temperature of the cat are below the average that has been set then the custodian can directly take the cat to the vet to see the health of the pet cat without waiting for the cat to get too severe pain due to the length of withdrawal.

Keywords: Monitoring, IoT, Cat Body Health, LM35 Sensor, Pulse Sensor, ESP8266 Module