

ABSTRACT

The canaries are one type of bird that is widely used as a pet because of its beautiful chirping sound. Every day the bird owner must monitor the state of the canary cage, feed, replace drinking water. In a fast and efficient era, it sometimes causes problems for pet owners, especially canaries. Because it is busy working, so pets are neglect. Based on these problems, a monitoring application is created from a tool that can provide automatic and scheduled feeds and clean up the rest of the feed and give drinks automatically and scheduled. This application can monitor the status of the canary cage state. For example detecting the level of feed and drink, detecting the quality of air around the canary cage and providing a monitoring schedule of the feed and drink equipment. After the tool is implemented, the system automatically replenishes feed and drinking water in the feed container and monitors the condition of the canary cage. Based on the results of testing, this system can provide scheduling for feed and drink in Canary cages and also send information in the form of temperature values, humidity values, air quality values, as well as feed level values and drinking level values in Canary cages.

Keywords : Canary, feed, iot, monitoring, sensor, Application.