

ABSTRAK

Laying hens are one of the potential poultry in Indonesia. There are several routine activities carried out by laying hens, including feeding, drinking, and vitamins. The farmer walks along a fairly large cage at 07.00 am and 14.00 pm, and uses his hands to put the feed in the feeder, pouring drinking water into the drinking container in the morning at 07:00 and in the afternoon at 14:00. Activities like this are very inefficient and require a lot of energy, and sometimes farmers forget to feed and drink at the appointed time, which will make livestock yields not optimal.

The purpose of this research is to design and implement the internet of things in building a prototype of feeding, water, and vitamins that can be controlled using the NodeMCU ESP8266 and controlled via a telegram bot.

The result of this research is that a tool that has been built by utilizing internet of things technology has succeeded in controlling and monitoring the tool via a telegram bot and is able to run automatically in the provision of feed, water, and vitamins according to a predetermined schedule so that the tool is able to relieve workers in the care of laying hens.

Keyword: Laying hens, internet of thing, NodeMCU ESP8266