ABSTRACT

The limited technology that can monitor the continuous development of the chicken broiler weight at 15 days, 25 days, and 35 days. At present, broiler farmers still use conventional scales (salters) by harvesting chicken ata dilate of 1 to 4, the negative effects of the conventional weighted weighings of injury, the breaking of the chicken wing by the worker during the catapult process were designed to reduce negative effects. This study makes a compile system of comboders-based chickens of things using a nodemcu esp8266 connected to a real timedb database that can be monitored through the loadcell's sensory android app as a mass sensor and infrared sensor as a filter for the number of chickens weighing loadcell. Testing on this study has excellent accuracy because it has only 1-3% error, at mass reading >1kg will get the accuracy value of 99%. The infrared sensor reading is excellent because it can detect according to the amount and distance set in each cluster of boiler cock based on things ratio of the weighted chicken of the fiinth of 1:4.

Keywords: *Firebase, Loadcell*, NodeMcu ESP8266, *Sensor Infrared.*