ABSTRACT

**DESIGN AND CONSTRUCTION OF THE CHICKEN SELECTION
SYSTEM BASED ON HEAVY WEB-BASED**

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This research aims to design and create a tool that can measure the weight of the chicken that has been cut and separated based on the weight of the chicken and can count the number of chickens that go inside. The box used a load cell sensor which is processed by Nodemcu. This research method began with the analysis of system design, analysis of system requirements and device assembly then carried out through the testing system. This research used a load cell sensor to weigh the weight of chicken pieces as well as sensors which are used to count the number of incoming chickens into boxes based on the number. This test was carried out 10 times. The results obtained if the sensor load cell weighs more than 400 grams then the chicken enters box 1, if the weight is less than 400 grams, the chicken went box 2. Out of 10 when the test results in the number of chickens, the chickens went box 1 as many as 4 and the number of chickens entered categorized then the chickens entered box 2 was 6. The results of calculating the number of chickens would be display on the LCD. The overall test results of the system could work accordingly by design.

Keywords: Chicken, Load Cell Sensor.