

## ABSTRACT

*The growing number of people in Indonesia each year leads to demand for chicken consumption. This is because of the readily found chicken in the market and the affordable price of other meat. Good nutritional value is derived from proteins found in high, low, and high chicken. The problem with the broiler farmer is that living far from the farm makes work inefficient in view of the volatile broiler. Farmers also often forget the number of daily feeding that causes the quick loss of food as well as the cleanliness of chicken manure. The difficulty in finding workers who want to live around the stables is also one of the problems.*

*From the many problems that occur, the author created a study that can monitor and data-based web servers that connect to the Internet and access it via websites that can be accessed where and when. The sensor data found in the chicken coop will be sent using a link found in the esp8266 module and is parsing into the fire (application programming interface), the parsing data will get to the web server database, the database used is a real-time firebase database. Further the data found in the database will be shown onto the website using HTTP and HTTPS protocols. To make the website accessible, the authors rent a domain and set up hosting.*

*Functionality test result, all features on the chicken coop monitoring site can be accessed by admin. The results of testing the websites connection on the 1 cage menu, the sensor data from the cage menu was shown on the website with trials 1 to experiment 6 to an average delay of 1.92 seconds while the trial on the 2 cage menu, the sensor data can also be seen on the website and with an average delay of 1.59 seconds which can conclude that the connection between the two menus is quite good.*

**Keywords:** Smart Poultry Farm, Web Server, Website, Broiler Chicken.