ABSTRACT

Animal husbandry is one of the main factors in the Indonesian economy. One of them is laying hens farming. Chicken health affects productivity and egg quality. Cage quality, moisture stability, and bad air quality are some of the factors that influence egg production decline in emerging problems. Therefore, the cleanliness of the environment around the cage must be cleaned regularly. This research aims to create a laying hens coop monitoring system that can be accessed without being limited by distance and time. This monitoring system is designed using Laravel, MySQL, and Bootstrap. This system was tested with several scenarios, namely a comparison of how fast the delivery of between data transmissions and the ease of use of the system created. The test results of the above scenario allow users to monitor from a web browser to determine the temperature, humidity, and ammonia gas level parameters in the chicken coop.

Keywords: Monitoring System, Web App, Chicken Coop