

ABSTRACT

Disease in cattle is one of the causes of declining production in laying hens. In an observation of one of the causes of the emergence of viral diseases are not hygienic livestock pens are occupied. In the damp and dirty areas easily develop disease virus. In addition, other effects of non higienisan enclosure is air pollution that will impact the surrounding community.

In the project have been made cleaning tool based micro and sms. Manufacture of these cages cleaners use a timer to regulate the cleaning of chicken manure. This cage was placed on the bottom side of the laying hen. With 30⁰ positions, areas of the hypotenuse is functioned as the fall of dirt laying hens. Because the character of chicken manure that is diluted, while at the cleaning wiper is moved to the left or the right to clean up the dung. The dirt will eventually lead to the reservoirs that have been provided. The tanks are configured with sms modeling with the use of high water level sensor.

This cleaning device can work well for cleaning the chicken manure. In use these cleaners are still using manual systems in the light or turn it off. For sms warning level, to be applied in the field is less effective. The solution, it is better to use LED indicator.

Key words: laying hens, microcontroller and sms