AUTOMATIC CHICKEN FEEDER

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"I declare that this report entitled "Automatic Chicken Feeder" is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.

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ABSTRACT

This project devoted to reduce the labor cost as well as develop better pellet dispense system. Subsequently, this project was proposed to design an automatic chicken feeder system using PIC microcontroller application. The device developed combines mechanical and electrical system in controlling chicken feeding activity. This device basically consists of pellet storage, former, stand, gear motor and microcontroller. The pellets controlled by gear motor which located under the pellet storage.

As we know, handicap people have a limited activities and movements because of their lack such as blind, deaf and anything else. So, we have created a device called Automatic Chicken Feeder for handicap people who will or already have a chicken farm. This device has been designed to dispense the right amount of chicken food at a particular time. Besides, such system also demonstrated the capability in repeating in task daily and accurately.

This device fed chicken following the right schedule and amount pre-defined by user, therefore avoiding the problem of overfeeding. The owner just needs to set the timer once and then let the devices do their process until the right time. So, this will make the owner which is handicap people save their time and energy to do their daily task. If they not use this device, they will face considerably more time and energy compare to the automatic chicken feeder.

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