ABSTRACT

Many broiler breeders are found who are at a loss not because of the low weight of harvested chickens and not only broilers, laying hens that do not match their egg harvest. The chicken farmer spreads the feed in the feed container by hand, then walks along the large and spacious chicken coop. Such activities for chicken farmers will take time and energy. Manual animal feeding systems are still very inefficient, and often lead to poor animal feeding

This automatic chicken feeding makes it easier for chicken farmers who use mechanical devices and are controlled by electronic equipment. This automatic chicken feed device is a control that is able to provide chicken feed automatically and on a scheduled basis.

The main controller in this system uses Arduino Uno, which is connected to the RTC (Real Time Clock) as a reference for feeding chickens in Real Time. With keypad input, setting the feeding time and the limit on the amount of feed, when the set time is reached, the motor will work to remove as much feed as has been determined..

Keywords: microcontroller, DC motor, ultrasonic sensor, keypad