

## ABSTRACT

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Indonesia is one of the active countries in the livestock sector and this sector plays an important role in the national economy, one of which is in the field of chicken farming. The development of the chicken farm business is currently growing rapidly, but the rapid development is not comparable to the availability of technology in the field of animal husbandry today. The average difficulty of breeders is to monitor or control animal feed, which has an impact on time and feed efficiency that is wasted.

This project aims to make it easier for chicken farmers to control animal feed without consuming a lot of time. Animal feed can be controlled automatically through the current system. The system will detect the availability of animal feed through the data sent by the ultrasonic sensor to the Arduino for processing, and the processing from Arduino will run a servo motor to move the spare cover valve to feed, so the feed is refilled. the process will continue to run automatically. With this system can help farmers to control food efficiently.

Keywords: Arduino, ultrasonic, motoservo, livestock