

## ABSTRACT

With the advancement of technology, everything that is usually done manually by humans can be done automatically with technology. One of the industries affected by technology is chicken farming, for example, in the field of feeding chickens, in the past, feeding was done manually by humans, now it is done by automatic tools, but automatic feed equipment in Indonesia is still monitored manually so it is less efficient and takes less energy. Therefore we need an automatic feed tool that is monitored automatically with bots and can command an automatic feed tool..

In designing bots for monitoring we use bots that are in the Telegram application because the bot creation process is easy and fast. In bot programming, Arduino IDE software is used to program the microcontroller (ESP8266) and also uses a smartphone to access the Telegram application.

From the results of the tests that have been carried out by the Telegram bot, an order to open the bot menu will issue a menu. The bot gives the current feed command with the chicken feed condition below 10 cm then the bot gives the output "The feed was successful" while when the chicken feed state is above 10 cm the bot will give the output "The feed is still full". The bot gives an order for feeding settings which later the user will enter the feed hour schedule then the bot will issue chicken feed at the time entered by the user. The bot gives orders to see the latest feeding hours and the bot will output the chicken feed schedule that has been entered by the user. The bot gives the last feed command then the bot will output the last time the chicken feed tool gave feed. From the experiments carried out, it can be seen that the Telegram bot can monitor and can order automatic chicken feed.

Keywords: *Bot, Telegram, manually.*