



AUTOMATIC CHICKEN FEEDER

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ABSTRACT

Malaysians nowadays prefer devices or technology that can obtain benefits to our mother nature as in today; we are practicing a healthy environment in our surrounding for a better future for our next generation. Hence, in order to comply the environmental friendly device, a chicken feeder is proposed to be our project. nowadays chicken feeders are mostly based on manual where when the chickens will have to step onto the chicken feeder's treadle platform, and it will manually bring up the feeder lid until the chickens step out of it, but eventually, for the first timer, maybe one or two chicken might get injured because they had been eating from aside, when other chickens step out, the other chickens at the aside will get neck injured because of the lid closed suddenly. Besides, chickens in Malaysia mostly are having bad eating habit which means eating without stop most of the time. So by having it automatically, the chicken will be force to be eating at certain time so that we can control them from being overweight. So, by doing it automatically, the dispenser lid will open at given or desired time and the chickens will automatically attracted to the feeder or dispenser and continue to eating. The project of ours, the chicken feeder system works as it provides a very healthy lifestyle of the chickens' proper meal time as it will only drop the food at the certain desired time. Moreover, there will be less interaction in between the chickens and the human as it leads to a natural growth and the decreasing of the death rate of the chickens in Malaysia. This project is using The Arduino Software to complete the coding part while the simulation was done by using the Proteus.

CHAPTER 1

INTRODUCTION

1.1 Background of Study

The study of chicken feeder has been done by many researchers. This is where chicken feeders are mostly developing into a higher perspective of view by making few improvements as the year passed with the rise of technology too. Most developers of chicken feeder or chicken poultry have been making various kind of feeder as they fulfill the basic demand of customers.

1.2 Problem Statement

Nowadays, mostly chicken feeder in farming industry around Malaysia are mostly fed through manual feeding which is the workers will fill up the feeder with certain amount of quantities for each feeders. The workers also will sometimes forget to feed the chickens at the specific time as they were told to do so and resulting into a bad timing for each chickens to be fed. Besides that, if the chickens need to be feed after the workers' working hour, the company itself would have to hire a few more extra workers for them to feed the chicken at night hours. Lastly, the interaction between the workers and the chicken also is not good as it will affect the chickens' growth.