ABSTRACT

In raising cats, feeding is one of the most important things. This is because cats growth influenced by the nutrients of the foods that given. In addition to the nutritional content of the food, regular and routine feeding and appropriate portion are also needed to keep the nutrions of the cats balanced, so cats stay healty and be spared from disease. For cat raiser who have solid activity at the outside, it's difficult to feed the cat regularly and rotinely. Likewise when the cat raiser leaving home for a long time.

This final project is design and implementation cat feeder using microcontroller based on Google Firebase that can serves to feeding the cat which is can be controlled remotely. The early stages of manufacturing this project is design the project, literature studies about the components and how it works also the circuit of each component function. Manufacturing the project is doing by arranging all the components in the microcontroller and arranging the case. The next stage of the project that have been made, is connected it to the Firebase as *database*.

The results of the test show that cat feeder using microcontroller based on Google Firebase can be controlled remotely in accordance with the portion and feeding time that inputted by the raiser feeding manually on the appliance. And also can monitoring the amount of feed that is in the bowl and container which is integrated with Firebase.

Keywords : Cat Feeder, Load cell, Google Firebase.