# ABSTRACT

Cats are smart, playful pets that require special attention especially when it comes to their diet. Regular and appropriate feeding is an important aspect of pet care. Owners often face difficulties in maintaining their animal's feeding schedule, especially if they have more than one breed or different types of food. In addition, the problem of cat owners giving food not according to the dose can result in overfeeding and cause their pet cats to become obese. This final project aims to develop an Internet of Things (IoT)-based pet cat monitoring application that offers an innovative solution to simplify feeding, this application is called "IFT PetFeeder".

IFT Pet Feeder is an app integrated with an IoT device that offers a variety of features, including monitoring the contents of the food reservoir, setting up feeding schedules, setting food portions according to doses, real-time feeding, and a monitoring camera to monitor cat activity. The IoT device integrated with the application also has specifications to accommodate 2 different types of food, has a storage container that is easy to refill and clean, the amount of food dispensed can be set by the user through the application, and a container that can rotate according to the type of food selected.

From the results of User Acceptance Testing (UAT), it shows that this application and IoT device are feasible to use with an average percentage of feasibility above 80% with the results of 82.4% from direct testing for applications and 87.5% from virtual testing for applications. 82.4% from direct testing for tools and 95.2% from virtual testing for tools. These results confirm that the IFT PetFeeder application and IoT device are easy to use, and meet the needs and expectations of users in various conditions.


Keywords: Cats, IoT (Internet of Things), IFT Pet Feeder, Overfeeding, User Acceptance Testing (UAT), Application.