# PERANCANGAN SISTEM *MONITORING* PERAWATAN HEWAN PELIHARAAN DENGAN *REAL – TIME NOTIFICATION* BERBASIS *INTERNET OF THINGS*

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## ABSTRACT

*Animals are multicellular eukaryotic organisms that make up the kingdom Animalia. Meanwhile, pets are animals that are kept or cared for by humans as everyday friends. Popular pets usually have a loyal character to their owners or have an attractive appearance or an attractive ability (such as making a lovely voice). Not infrequently, humans have to spend much money to care for, provide food, provide shelter facilities for their pets. Because humans have activities or activities, it is very time-consuming because they do various jobs such as college, part-time work, cleaning boarding houses, washing clothes, going shopping for living necessities, and other jobs so that pets are abandoned. In fact, it is not uncommon for many pets to run away because the owners do not well supervise their pets. A necessary period for cat health is feed time because feed determines body weight and good digestion, and feed can put the cat in a good mood and active cat. The problem is that feeding time is not routine because the animal owner is busy with activities carried out every day. As a result, it can lead to starving animals meowing non-stop, going berserk in the cage, which causes vibrations in the cage resulting in the cage facility being damaged. Even the cage can open, causing the cat to run away. Monitoring System Design with Real-Time Notification Based on the Internet of Things is a means for pet owners who are busy with their activities and supervising their pets. The feed schedule has been set automatically and equipped with animal monitoring tools used in an application. This design uses the ESP32-Cam to supervise pets when they are kept in a cage. Real-Time Notification is obtained when an animal brings together its feed container or taps on the feed container, causing vibrations that are read through the vibration sensor and Notification of the number of times the animal has eaten a day obtained from the automation of feeding.*

***Keyword****s: Pets, Feed Scheduling, Monitoring*