

## **ABSTRACT**

*Aywa veterinary clinic is a clinic located in Yogyakarta, the clinic is specialized in pet services such as cats, rabbits and dogs. The services offered by the Aywa veterinary clinic are medical checkup, vaccination, medicine, vitamins and day care. One of the services most often used by pet care consumers such as cats, where consumers who want to leave their pet at the clinic must register and undergo the requirements before entrusting their pet. However, the service has several problems including some consumers who have left their pets at the Aywa veterinary clinic not to take their pets or abandon them even though they have been contacted. The problem is that the Aywa clinic is overwhelmed in overcoming the error if there are more than three animals neglected by consumers. Therefore, to minimize these problems, a system design is needed that can help Remote veterinary clinics in dealing with these problems, namely designing an android-based pet adoption application design by implementing the Rest API as a service. This service functions for any data manipulation process that will be managed and addressed to animal users or adopters. The type of data used for this study was quantitative data obtained from the Aywa veterinary clinic. The research method used in the study uses the waterfall method, while the stack used in system design uses JS Node as the backend, making the Rest API and native android*

*Keywords: Rest API, Pet Addopt, Android, Kotlin, Pet*