

## ABSTRACT

### *FIRST AID MOBILE APP DEVELOPMENT FOR PET OWNER IN iOS PLATFORM*

by

Ahmad Azka Kusuma Edy

19/440443/PA/19073

Information technology advancements have led to a rise in digitization across a variety of fields, including veterinary medicine. The COVID-19 outbreak has increased pet ownership and need for pet care in Indonesia. By offering instructions for first aid and emergency care through an iOS-based application, the study intended to save pet owners money on unnecessary appointments to the veterinarian. This program uses expert systems and decision support systems (DSS) to give pet owners reliable information and suggestions. The program was created in Swift using xcode as the integrated development environment, and it works with iOS 13 and later. Three veterinary professionals tested the expert system, and the results showed that it was 62% accurate when compared to actual veterinary expert advice.

The program promises to enhance the standard of living for both pets and their owners in Indonesia by giving pet owners access to information and suggestions whenever and wherever they need it. In conclusion, the creation of this application represents a significant advancement in the fields of veterinary medicine and animal welfare. It makes use of specialized expertise and cutting-edge technology to give pet owners precise and trustworthy information so they can make decisions regarding the health and wellbeing of their animals. The application can help pet owners avoid unnecessary trips and expenses, while providing their pets with the care they need in an emergency.

Keywords: First aid, First treatment, Pet owner, Vet, Proper first care, Decision support system, Expert system, iOS.