



**MOBILE-BASED APPLICATION FOR ANIMAL RESCUE
MANAGEMENT USING AGILE METHODOLOGY**

**UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
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MOBILE-BASED APPLICATION FOR ANIMAL RESCUE MANAGEMENT USING AGILE METHODOLOGY By Farrel Fadhilah Rayadi (001201800087) A Thesis Submitted to the Faculty of Computing President University in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Information Technology Cikarang, Bekasi, Indonesia October 2024 Copyright by Farrel Fadhilah Rayadi 2024 MOBILE-BASED APPLICATION FOR ANIMAL RESCUE MANAGEMENT USING AGILE METHODOLOGY By Farrel Fadhilah Rayadi Approved: Cutifa Safitri, M.Sc., Ph.D Cutifa Safitri, M.Sc., Ph.D Thesis Advisor Program Head of Information Technology Rila Mandala, Ph.D Dean of Faculty of Computing STATEMENT OF ORIGINALITY In my capacity as an active student of President University and as the author of the final project (underline that applies) stated below: Name: Farrel Fadhilah Rayadi Student ID Number: 001201800087 Study Program: Information Technology Faculty: Computing I hereby declare that my final project entitled "MOBILE-BASED APPLICATION FOR ANIMAL RESCUE MANAGEMENT USING AGILE METHODOLOGY" to the best of my understanding and conviction, this work is an authentic creation that adheres to rigorous academic criteria. In the event that any instances of plagiarism are identified within my final assignment, I hereby assume personal accountability for the repercussions associated with such acts of plagiarism. Furthermore, I am prepared to accept the penalties imposed in accordance with the regulations and guidelines set forth by President University. I hereby affirm that this work, in its entirety or in part, has not been previously submitted to any other academic institution for the purpose of obtaining a degree.. Cikarang, 2024 Farrel Fadhilah Rayadi i ABSTRACT The "Animal Rescue" application is an Android-based platform designed to facilitate animal rescue efforts by bridging users and administrators in a seamless and user-friendly manner. This thesis explores the system design, functionality, and implementation of the application, focusing on its capability to document and process animal rescue requests efficiently. The application incorporates essential features, including a camera interface for capturing images, forms for submitting detailed animal information, and profile management functionalities for both users and administrators. The user interface design emphasizes simplicity and intuitiveness, ensuring accessibility for all users. Key functionalities include login and registration systems, request submission workflows, and a dedicated animal profile page for viewing and editing rescue requests. Additionally, the admin interface streamlines the review

ABSTRACT

The "Animal Rescue" application is an Android-based platform designed to facilitate animal rescue efforts by bridging users and administrators in a seamless and user-friendly manner. This thesis explores the system design, functionality, and implementation of the application, focusing on its capability to document and process animal rescue requests efficiently. The application incorporates essential features, including a camera interface for capturing images, forms for submitting detailed animal information, and profile management functionalities for both users and administrators.

The user interface design emphasizes simplicity and intuitiveness, ensuring accessibility for all users. Key functionalities include login and registration systems, request submission workflows, and a dedicated animal profile page for viewing and editing rescue requests. Additionally, the admin interface streamlines the review and management of user requests, allowing administrators to accept or decline submissions and access user profiles.

The application architecture is defined through a detailed class diagram that illustrates the relationships between core components, ensuring scalability and maintainability. This project demonstrates the potential of technology to support humanitarian efforts by providing an efficient and reliable solution for animal rescue operations.

TABLE OF CONTENTS

ABSTRACT	i
DEDICATION	ii
ACKNOWLEDGMENTS	iii
CHAPTER I INTRODUCTION	1
1.1 Background.....	1
1.2 Problem Statement	1
1.3 Final Project Objectives	2
1.4 Scope and Limitations	3
1.4.1 Scope	3
1.4.2 Limitations	4
1.5 Final Project Methodology	5
1.6 Thesis Outline	7
CHAPTER II LITERATURE REVIEW	12
2.1 Technology in Animal Rescue	12
2.2 Digital Reporting Platforms	12
2.3 Agile Methodology in Software Development.....	13
2.4 Mobile Based Systems for Community Reporting	13

2.5 The Role of Data in Managing Animal Rescue.....	13
2.6 Remarks.....	14
CHAPTER III SYSTEM ANALYSIS	15
3.1 System Overview.....	15
3.2 Function Analysis	15
3.3 Use Case Diagram	16
3.4 Use Case Narrative	17
3.5 Swim Lane Diagram	23
3.6 Hardware and Software Requirement	25
3.6.1 Hardware Requirement.....	25
3.6.2 Software Requirement	26
CHAPTER IV SYSTEM DESIGN	37
4.1 User Interface Design.....	37
4.1.1 Login Page	37
4.1.2 Register Page	39
4.1.3 Camera Page	40
4.1.4 Submit Request Page.....	41
4.1.5 Animal List Page.....	43
4.1.6 Animal Profile Page	44
4.1.7 Profile Page.....	45
4.1.8 Edit Profile Page	47

4.1.8 Edit Picture Page	48
4.2 Admin User Interface Design.....	49
4.2.1 Login Page	49
4.2.2 Admin Main Page	51
4.2.3 User Request Page.....	52
4.2.4 User Profile Page.....	53
4.3 Class Diagram.....	55

LIST OF TABLES

Table 1. Animal Rescue Application Function Description	15
Table 2. Use Case Narrative: “Login”	17
Table 3. Use Case Narrative : “Register” Use Case	19
Table 4. Use Case Narrative : “Submit Animal”	21
Table 5. Use Case Narrative : “Edit Profile”	23
Table 6. Use Case Narrative : “Edit Animal Profile”	25
Table 7. Use Case Narrative : “View User Profile”	29
Table 8. Use Case Narrative : “Accept/Decline Request”	30
Table 9. Label Description of Figure 6.....	39
Table 10. Label Description of Figure 7.....	40
Table 11. Label Description of Figure 8.....	41
Table 12. Label Description of Figure 9.....	43
Table 13. Label Description of Figure 10.....	44
Table 14. Label Description of Figure 11.....	45
Table 15. Label Description of Figure 12.....	46
Table 16. Label Description of Figure 13.....	48
Table 17. Label Description of Figure 14.....	49
Table 18. Label Description of Figure 15.....	50
Table 19. Label Description of Figure 16.....	51
Table 20. Label Description of Figure 17.....	53
Table 21. Label Description of Figure 18.....	54

LIST OF FIGURES

Figure 1. Agile Methodology Flow Diagram.....	6
Figure 2. Animal Rescue Use Case Diagram.....	16
Figure 3. Swim lane Diagram for User Activity	31
Figure 4. Swim Lane Diagram for Admin Activity	32
Figure 5. Animal Rescue Logo Design.....	37
Figure 6. Login Page Design.....	38
Figure 7. Register Page Design.....	39
Figure 8. Camera Page Design.....	40
Figure 9. Submit Request Page Design	42
Figure 10. Animal List Page Design	43
Figure 11. Animal Profile Page Design.....	44
Figure 12. Profile Page Design	46
Figure 13. Edit Profile Page Design	47
Figure 14. Edit Picture Page Design.....	48
Figure 15. Login Page Design.....	50
Figure 16. Admin Main Page Design	51
Figure 17. User Request Page Design	52
Figure 19. User Profile Page Design	53
Figure 20. Class Diagram of the Animal Rescue Application.....	55