



PROJECT REPORT
ANALYSIS OF DAILY DOG ACTIVITIES USING
GYROSCOPE SENSOR

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APPROVAL AND RATIFICATION PAGE

ANALYSIS OF DAILY DOG ACTIVITIES USING GYROSCOPE SENSOR

by

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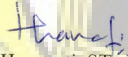
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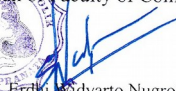
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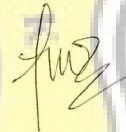
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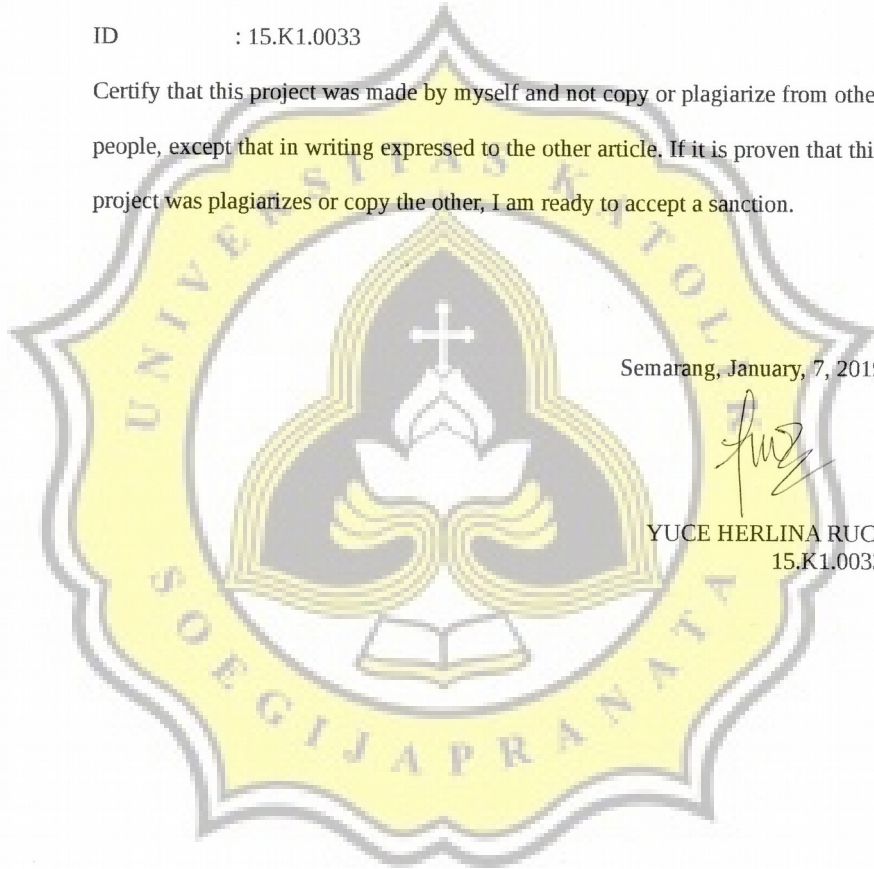
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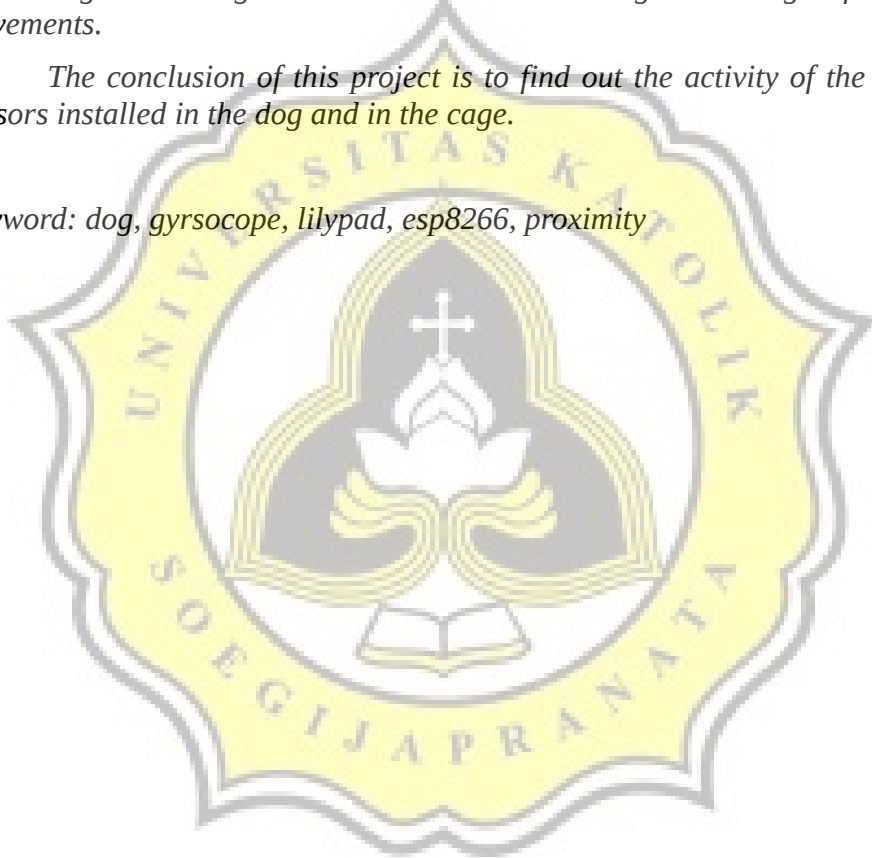
ABSTRACT

Dogs are animals that are popular and loved by humans. Dogs have activities such as walking, sitting, sleeping, eating or drinking. Some people do not know the activities of dogs, when the dogs are outside the cage. This research project will help dog lovers to find out the dog's activities.

Dog activity can be detected through sensors such as sensor gyroscope, ultrasonic, proximity and ESP8266 which are placed in certain locations. After testing to detect dog activity, an analysis using statistical formula is performed by calculating the average and standard deviation to get the range of each dog's movements.

The conclusion of this project is to find out the activity of the dog using sensors installed in the dog and in the cage.

Keyword: dog, gyroscope, lilypad, esp8266, proximity



PREFACE

In this project there are several chapters that discuss every detail of making this project, namely:

The first chapter discusses the background of this research project, the limitations of the problems that exist in this research project and the purpose of this research project.

The second chapter will discuss Literature Study, which contains several journals that are related to this project. With the existence of several journals that are used as a reference, it is easier to work on this project as a reference. There are 5 journals

The third chapter discusses the Research Methodology which will discuss the steps in working on this project. Written with several important points.

The fourth chapter discusses the design of the Embedded itself. Which includes analysis using calculated method and design of the embedded tool design.

The fifth chapter on project implementation, by providing the main coding in this project and testing.

The sixth chapter discusses the conclusions of this project and with suggestions from the results of this project that have not yet been carried out.

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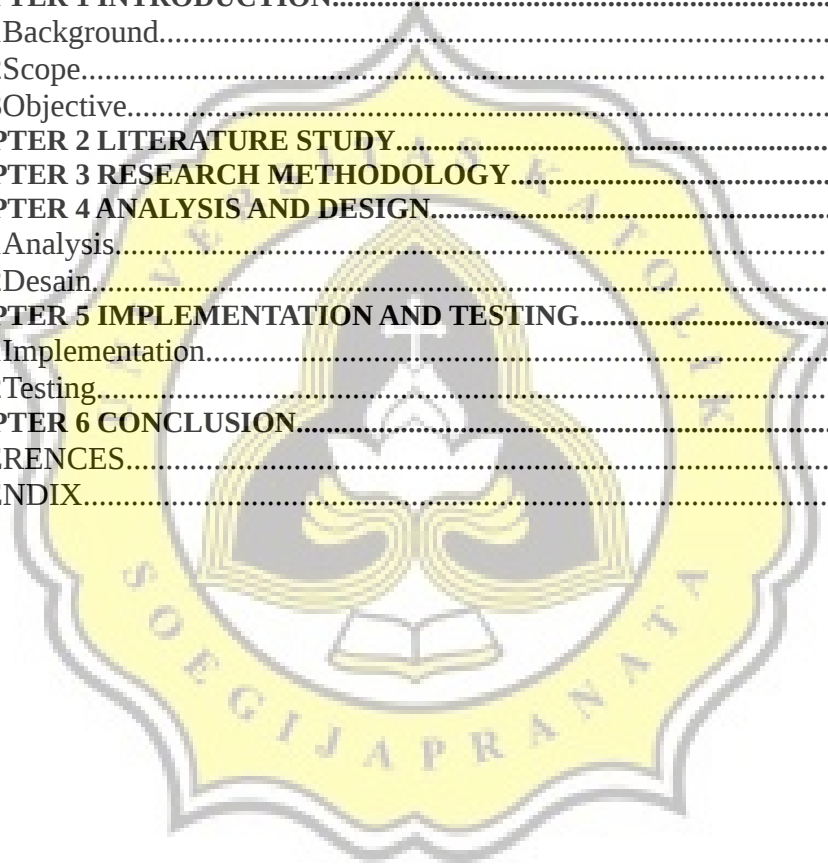


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