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GAS LEAKAGE MONITORING SYSTEM USING
RASPBERRY PI 3 MODEL B AND IOT
SOLUTION FOR SMART HOME

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ABSTRACT

This paper presents the safety and preventing system for home, which is gas leakage monitoring system using Raspberry Pi 3 and internet of things (IoT) solution. The main function of this system is to detect the existing leakage gas and the consumer through the wireless system by the notification to their smartphone. For preventing measure, this system will automatically turn off the gas valve at the gas tank. This system will continuously monitor the existing of the liquefied petroleum gas (LPG) if the power supply is not turn off. This system provides and ensure safety for consumer and prevents from the explosion to leakage gas. This system ISA implemented by using the latest and newest microcontroller that is Raspberry Pi 3 model B.

TABLE OF CONTENTS

APPROVAL.....	i
DECLARATION.....	ii
ACKNOWLEDGEMENT.....	iii
ABSTRACT.....	iv
TABLE OF CONTENTS.....	v
LIST OF FIGURES.....	vii
LIST OF SYMBOLS AND ABBREVIATIONS.....	ix
CHAPTER 1.....	1
INTRODUCTION.....	1
1.1 INTRODUCTION.....	1
1.2 BACKGROUND STUDY.....	1
1.3 PROBLEM STATEMENT.....	3
1.4 OBJECTIVES.....	3
1.5 THESIS ORGANIZATION.....	4
CHAPTER 2.....	5
LITERATURE REVIEW.....	5
2.1 INTRODUCTION.....	5
2.2 RELATED PROJECT RESEARCH.....	5
2.2.1 METHOD USED IN PREVIOUS PROJECT RESEARCH.....	7
2.3 INTRODUCTION TO RASPBERRY PI 3 MODEL B.....	9
2.3.1 ADVANTAGES AND DIFFERENCES BETWEEN RASPBERRY PI 3 AND ARDUINO.....	11
CHAPTER 3.....	14
METHODOLOGY.....	14
3.1 INTRODUCTION.....	14

3.2	HARDWARE PROJECT DESIGN.....	14
3.2.1	COMPONENT INVOLVED.....	15
3.2.1.1	MQ-2 GAS SENSOR.....	15
3.2.1.2	SERVO MOTOR.....	17
3.2.1.3	LIGHT EMITTING DIODE (LED).....	18
3.2.1.4	BUZZER.....	20
3.2.2	PROJECT PROTOTYPE.....	21
3.3	SYSTEM OPERATING.....	25
3.3.1	SOFTWARE DESIGN.....	26
3.3.1.1	HOW TO SETUP RASPBIAN SOFTWARE ON SD CARD.....	26
3.3.1.2	HOW TO USE THE RASPBERRY PI 3 MODEL B.....	27
3.3.2	SOURCE CODE FOR GAS LEAKAGE MONITORING SYSTEM ..	36
3.4	SMARTPHONE APPLICATION.....	38
	CHAPTER4.....	42
	RESULT AND DISCUSSION.....	42
4.1	INTRODUCTION.....	42
4.2	ALERTING PROCESS OF GAS LEAKAGE MONITORING SYSTEM..	42
4.3	PREVENTING PROCESS OF GAS LEAKAGE MONITORING SYSTEM	
	43	
	CHAPTER 5.....	46
	CONCLUSION.....	46
4.1	CONCLUSION.....	46
4.2	RECOMMENDATION FOR FUTURE WORK.....	47
	REFERENCES.....	48
	APPENDICES.....	50
	REFERENCES	
	APPENDIC	