STUDY OF CONCRETE THERMAL COLOUR AND STRENGTH CORRELATION USING IMAGE GENERATED BY INFRARED THERMOGRAPHY (IRT)

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SUPERVISOR'S DECLARATION

I hereby declare that I have checked this thesis and in my opinion, this thesis is adequate in terms of scope and quality for the award of the degree Bachelor of Engineering (Hons) in Civil Engineering

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I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

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TABLE OF CONTENTS

SUP	PERVISOR'S DECLARATION	
STU	UDENT'S DECLARATION	
ACH	KNOWLEDGEMENT	п
ABS	STRACT	ш
ABS	STRAK	IV
TAE	BLE OF CONTENTS	V
LIST OF TABLES		VIII
LIST OF FIGURES		IX
LIST OF SYMBOLS		X
LIS	T OF ABBREVIATIONS	XI
CHA	APTER 1 INTRODUCTION	1
1.1	Background	1
1.2	Problem Statement	5
1.3	Objectives Of The Study	5
1.4	Scope Of Study	5
1.5	Significance Of Study	6

CHA	APTER 2	LITERATURE REVIEW	7
2.1	Testing	For Hardened Concrete	7
2.2	Destruc	ctive Test	9
	2.2.1	Compression Strength Of Concrete Cube Using Compression Test	10
2.3	Non De	estructve Test (Ndt)	11
	2.3.1	Rebound Hammer Test	14
	2.3.2	Ultrasonic Pulse Velocity Test (Upv Test)	17
	2.3.3	Infrared Thermography	23
CHA	APTER 3	RESEARCH DESIGN AND METHODOLOGY	30
3.1	Introduc	ction	30
3.2	Flow C	hart Of Methodology	31
3.3	Researc	ch Equipment	32
	3.3.1	Infrared Thermography Camera	32
3.4	Lab Pro	ocedure	36
	3.4.1	Compressive Test	36
	3.4.2	Infrared Thermography	38
3.5	Analysi	s Of Data	39
CHA	APTER 4	RESULTS ANALYSIS AND DISCUSSION	40
4.1	Introdu	ction	40
4.2	IRT Th	ermal Image	41
4.3	Red, G	reen, Blue (Rbg) Value From Irt Image	42
	4.3.1	Rgb Value For Concrete Cube Before & During Compression.	42
4.4	Data A	nalysis	43
4.5	Grapgh	Of Rgb Value	45

vi

4.6	Equation	on Produce	49
	4.6.1	Rgb Value Against Concrete Grade Under Stress	49
4.7	Precaut	ion Of Testting	49
СНА	PTER 5	CONCLUSION AND RECOMMENDATION	50
5.1	Conclu	ision	50
5.2	Recom	nmendation	51
REF	ERENCI	ES	52
APPI	ENDIX A	A1 RESEARCH METHODOLOGY	54
APPI	ENDIX A	A2 IRT CAMERA & THE PROCESS	55
APPI	ENDIX A	A3 IMAGE CAPTURED BY IRT CAMERA	56
APPI	ENDIX A	44 COMPRESSION TEST RESULT & GRAPH	57

LIST OF TABLES

TABLE	TITLE	PAGE
Table 3.1	FLIR One Android Specs	35
Table 4.1	Thermal image of concrete before and during compress	41
Table 4.2	Result from RGB measure ImageJ that produce RGB (Red,	42
	Green, Blue) value	

LIST OF FIGURES

FIGURE	TITLE	PAGE
Figure 2.1	The rebound hammer anatomy	15
Figure 2.2	Schematic diagram of pulse velocity test circuit	18
Figure 2.3	Pulse velocity measurement configurations. (A) Direct method. (B) Semi direct method. (C) Indirect surface method.	20
Figure 2.4	Example strength vs. velocity relationship for estimation of strength of concrete	21
Figure 3.1	Flowchart of experimental procedure.	31
Figure 3.2	FLIR One Android Camera	35
Figure 4.1	Raw thermal image from IRT	43
Figure 4.2	Surface area of thermal image selected	43
Figure 4.3	Thermal image analysed with RGB measure	44
Figure 4.4	Set of each colour component and RGB data produced	44
Figure 4.5	Red colour from RGB extract	45
Figure 4.6	Green colour from RGB extract	45
Figure 4.7	Blue colour from RGB extract	46
Figure 4.8	Total RGB colour from RGB extract	46
Figure 4.9	RGB value vs Concrete grade under compress stress	47
Figure A1	Research methodology flow chart	54
Figure A2	IRT camera & the setup	55
Figure A3	Thermal image captured from IRT camera	56
Figure A4	Graph of compressive strength of different grade concrete cube	57

LIST OF SYMBOLS

μm Micrometre

°C Celsius

LIST OF ABBREVIATIONS

Hz	Hertz
IRT	Infrared Thermography
kN	Kilo Newton
MPa	Mega Pascal
mm	Millimetre
m	Meter
NDT	Non-Destructive Test
PT	Pulse Thermography
PPT	Pulse Phase Thermography
psi	Pound Per Square Inch
RGB	Red, Green, Blue
TM	Thermal Modelling
UPV	Ultrasonic Pulse Velocity
VGA	Video Graphic Array