

USE OF INFRARED THERMOGRAPHY FOR CONCRETE STRENGTH
ASSESSMENT WITH DIFFERENT OVERLAY

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B.ENG (HONS.) CIVIL ENGINEERING

UNIVERSITI MALAYSIA PAHANG

USE OF INFRARED THERMOGRAPHY FOR CONCRETE STRENGTH
ASSESSMENT WITH DIFFERENT OVERLAY

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SUPERVISOR'S DECLARATION

I hereby declare that I have checked this project and in my opinion, this project 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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STUDENT'S DECLARATION

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

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LIST OF SYMBOLS

μm	Micrometre
$^{\circ}\text{C}$	Celsius
%	Percentage

LIST OF ABBREVIATION

Hz	Hertz
lm	Lumen
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