

**STUDY THE PERFORMANCE OF HYDROKINETIC
TURBINE FOR HOME POWER**

WIDAD BINTI MD.JAMALUDDIN

**BACHELOR OF ENGINEERING TECHNOLOGY
(ENERGY AND ENVIRONMENT)
UNIVERSITI MALAYSIA PAHANG**

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TURBINE FOR HOME POWER

WIDAD BINTI MD.JAMALUDDIN

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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of degree of Bachelor of Engineering Technology in Energy and Environment.

Signature:

Name of Supervisor: MUHAMAD RIDZUAN BIN RADIN MUHAMAD AMIN

Position: LECTURER, FACULTY OF ENGINEERING TECHNOLOGY,
UNIVERSITI MALAYSIA PAHANG

Date: 18 JANUARY 2018

STUDENT'S DECLARATION

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

Signature:

Name: WIDAD BINTI MD.JAMALUDDIN

ID Number: TC14006

Date: 18 JANUARY 2018

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LIST OF SYMBOLS

η	Efficiency
ρ	Density
I	Ampere
Σ	Summation
ω	Angular velocity
V	Volt
W	Watt
kW	Kilowatt
P	Power
v	Velocity
r	Radius
A_{ref}	Swept area of turbine

LIST OF ABBREVIATION

HKT	Hydrokinetic Turbine
HEC	Hydrokinetic energy converters
VOM	Volt-ohm-milliammeter
DMM	Digital multimeter
MIG	Metal Inert Gases
MBS	Main distribution box
RPM	Revolutions per minute
AC	Alternating current
DC	Direct current
COM	Common terminal
LED	Light-emitting diode