

## **UNIVERSITI PUTRA MALAYSIA**

# OPTIMIZATION OF PARAMETERS FOR MACHINING HYBRID CARBON/ EPOXY AND ALUMINUM 2024 COMPOSITE LAMINATES

## **NURHANIZA BT MOHAMAD**

FK 2016 119



### OPTIMIZATION OF PARAMETERS FOR MACHINING HYBRID CARBON/ EPOXY AND ALUMINUM 2024 COMPOSITE LAMINATES

By

**NURHANIZA BT MOHAMAD** 

Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia, in Fulfillment of the Requirements for the Degree of Doctor of Philosophy

All material contained within the thesis, including without limitation text, logos, icons, photographs and all other artwork, is copyright material of Universiti Putra Malaysia unless otherwise stated. Use may be made of any material contained within the thesis for non-commercial purposes from the copyright holder. Commercial use of material may only be made with the express, prior, written permission of Universiti Putra Malaysia.

Copyright © Universiti Putra Malaysia





## **UNIVERSITI PUTRA MALAYSIA**

### STATUS CONFIRMATION FOR THESIS / PROJECT REPORT AND COPYRIGHT

ACADEMIC SESSION :	
TITLE OF THESIS / PROJECT REPORT :	
NAME OF STUDENT :	
_	ght and other intellectual property in the thesis/project report aysia and I agree to allow this thesis/project report to be placed at ms:
1. This thesis/project report is the	e property of Universiti Putra Malaysia.
2. The library of Universiti Putra Nonly.	Malaysia has the right to make copies for educational purposes
3. The library of Universiti Putra Nexchange.	Malaysia is allowed to make copies of this thesis for academic
I declare that this thesis is classif	ied as:
*Please tick (V)	
CONFIDENTIAL	(Contain confidential information under Official Secret Act 1972).
RESTRICTED	(Contains restricted information as specified by the organization/institution where research was done).
OPEN ACCESS	I agree that my thesis/project report to be published as hard copy or online open access.
This thesis is submitted for :	
/ PATENT	Embargo from (date) until 31/12/2016 (date)
	Approved by:
(Signature of Student) New IC No/ Passport No.:	(Signature of Chairman of Supervisory Committee) Name:
Date :	Date :

[Note: If the thesis is CONFIDENTIAL or RESTRICTED, please attach with the letter from the organization/institution with period and reasons for confidentially or restricted.]