

ISOLATION, CHARACTERISATION AND KINETIC STUDIES OF CAFFEINE-DEGRADING BACTERIUM *Leifsonia* sp. STRAIN M438

SALIHU IBRAHIM

FBSB 2014 26



ISOLATION, CHARACTERISATION AND KINETICS STUDIES OF CAFFEINE-DEGRADING BACTERIUM *Leifsonia* sp. STRAIN M438



Thesis Submitted to the school of Graduate Studies, Universiti Putra Malaysia, in Fulfillment of the Requirements for the Degree of Master of Science

COPYRIGHT

All materials contained within the thesis including without limitation text, logos, icons, photographs and all other artworks are copyright material of Universiti Putra Malaysia unless otherwise stated. Use may be made of any materials contained within the thesis for non-commercial purposes from copyright holder. Commercial use of materials 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 :	
_	pyright and other intellectual property in the thesis/project report Malaysia and I agree to allow this thesis/project report to be placed at g terms:
1. This thesis/project report	s the property of Universiti Putra Malaysia.
The library of Universiti P only.	tra Malaysia has the right to make copies for educational purposes
The library of Universiti P exchange.	tra Malaysia is allowed to make copies of this thesis for academic
I declare that this thesis is o	assified 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 until (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.]