

THE
QUEEN'S
UNIVERSITY
OF BELFAST



It is hereby certified that
Martini Muhamad
was admitted to the Degree of
Doctor of Philosophy

on the fifth day of July 2013

Professor Sir Peter J Gregson
Vice-Chancellor

THE
QUEEN'S
UNIVERSITY
OF BELFAST



It is hereby certified that

Martini Muhamad

was admitted to the Degree of

Bachelor of Engineering

with

Second Class Honours, First Division

in

(Chemical Engineering)

on the sixth day of July 2009

Professor Peter J Gregson
Vice-Chancellor