CERTIFICATION OF APPROVAL

Failure Analysis on Heat Exchanger Tube Bundle Leakage

by Nur 'Atikah bt Jamaludin Alias

A project dissertation submitted to the

Mechanical Engineering Programme

Universiti Teknologi PETRONAS

in partial fulfillment of the requirement for the

BACHELOR OF ENGINEERING (Hons)

(MECHANICAL ENGINEERING)

Approved by,				
(Associate Profes	ssor Dr. Oth	man Rin Ma	 amat)	

UNIVERSITI TEKNOLOGI PETRONAS TRONOH, PERAK January 2012

CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original
work is my own except as specified in the references and acknowledgements, and that the
original work contained herein have not been undertaken or done by unspecified sources or
persons.

NUR 'ATIKAH BT JAMALUDIN ALIAS