



INSTRUMENTAL ANALYSIS APPLICATION FORM

MATERIALS ENGINEERING
LABORATORY FACULTY OF
MECHANICAL ENGINEERING,
UNIVERSITI TEKNOLOGI MALAYSIA, 81310 UTM JOHOR BAHRU,
JOHOR Tel: 07-5534808

Website : <https://engineering.utm.my/mechanical/material-lab/>

APPLICANT DETAILS

Name : _____ Name of Supervisor / Company
(Signature & Stamp) : _____
Type of project : PSM MSc PhD Research Consultancy
Mode of Payment : Invoice Internal Invoice Log Card
Vote Number (If Applicable) : _____ Email : _____
Phone Number : _____ Date : _____
Description of sample : _____

Item	Description of Equipment	Unit Price (RM) / Sample				Number of sample	Total (RM)
		UTM User	√	Non UTM User	√		
1.	(a) Field Emission Scanning Electron Microscope (FESEM) ~ max. 5 images	200		400			
	(b) FESEM + EDX / Mapping	300		500			
2.	(a) Variable Pressure Scanning Electron Microscope (VPSEM) ~ max. 5 images	100		350			
	(b) VPSEM + EDX / Mapping	200		450			
3	Sample preparation (cutting, grinding, polishing, etching)	NA		200			
4.	Optical Microscope (With sample preparation)	NA		350			
5	Image Analyzer	NA		350			
6.	Coating (Gold)	50		60			
7.	Hardness Testing	50		100			
8.	Impact Test	50		100			
9.	Salt Spray (Per Batch)	10/hour		25/hour			
10.	Furnace (Low / High Temperature)	20/hour		40/hour			
11.	Corrosion Test (a) Polarization / potentiostat (b) Open circuit potential / Galvanic cell.	20/hr (subsequent hr; 10/hr)		100/hr (subsequent hr; 50/hr)			
12.	Optical Emission Spectroscopy (OES) (Including cutting, grinding)	10/element		20/element			
13.	Others						
GRAND TOTAL (RM)							

Service Duration and Test Report

The duration of the service is depending upon the type of testing / analysis and normally between 10-30 days (or requests if necessary) Sample Delivery

All samples should be delivered to Material Engineering Laboratory. If the sample is requested to be collected, delivery charges will be borne by the customer between RM50-500 depending upon the distance from UTM

****Payment should be to "BENDAHARI UTM" CIMB BANK
BERHAD Account number 8006053536**

APPROVAL

DESIGNATED STAF

Dr. Nor Akmal Binti Fadil
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