

## INSTRUMENTAL ANALYSIS APPLICATION FORM

**ADVANCED MEMBRANE TECHNOLOGY RESEARCH CENTRE (AMTEC)**  
**HIGHER INSTITUTIONS CENTRE OF EXCELLENCE (HICoE)**  
**BLOK N29a, FACULTY OF CHEMICAL & ENERGY ENGINEERING**  
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### A. INSTRUMENT APPLICATION FORM

STUDENT NAME : \_\_\_\_\_  
 TEL. NUMBER : \_\_\_\_\_  
 FACULTY/DEPARTMENT : \_\_\_\_\_  
 TYPE OF PROJECT : PSM / MSC. / PHD / RESEARCH PROJECT / INDUSTRIAL CONSULTANCY  
 PROJECT TITLE : \_\_\_\_\_  
 \_\_\_\_\_  
 VOT NUMBER : \_\_\_\_\_ VOT COMPLETION DATE : \_\_\_\_\_  
 B29000 BALANCE : \_\_\_\_\_  
 SUPERVISOR NAME : \_\_\_\_\_  
 DATE OF FORM SUBMISSION : \_\_\_\_\_

.....  
 Signature of Supervisor/Project Leader and Cop

Contact No. : \_\_\_\_\_ - \_\_\_\_\_

Sample Justification	Instrument/Analyzer	(v)	No. of Sample	Price (RM)	
Specified Reference(s):	1. THERMAGRAVIMETRIC (TGA)			RM70/sample	
	2. DIFFERENTIAL SCANNING CHALORIMETER (DSC)			RM70/sample	
	3. IMPEDANCE ANALYSER PROTON CONDUCTIVITY			RM100/sample	
Parameters:	4. ZETA POTENTIAL SURPASS ANALYSER			RM100/sample	
	5. ELECTROSPINNING MACHINE			RM50/sample	
	6. UV-VIS SPECTROPHOTOMETER DR4000/DR5000			RM50/session	
	7. UV-VIS SPECTROPHOTOMETER LAMBDA 25			RM50/session	
	8. ATOMIC FORCE MICROSCOPE (AFM)			RM100/sample	
	9. FRONTIER TRANSFORM INFRARED (FTIR)			RM50/sample	
	10. HIGH TEMPERATURE FURNACE SYSTEM			RM50/sample	
	11. DMFC ANALYSER			RM100/sample	
	12. MICRO GAS CHROMATOGRAPHY (MICRO GC)			RM100/sample	
	13. HOLLOW FIBER SPINNING SYSTEM			RM250/sample	
	14. FLAT SHEET MEMBRANE CASTING SYSTEM			RM100/sample	
	15. ULTRAFILTRATION/NANOFILTRATION SYSTEM			RM100/sample	
	Remarks:	16. REVERSE OSMOSIS SEPARATION SYSTEM			RM100/sample
		17. GAS SEPARATION SYSTEM			RM100/sample
		18. SCANNING ELECTRON MICROSCOPE (SEM)			RM70/sample
19. ENERGY DISPERSIVE X-RAY ANALYSIS (EDX)				RM120/sample	
20. TOTAL ORGANIC CARBON ANALYZER				RM100/sample	
21. CONTACT ANGLE				RM50/session	
22. HPLC (UV-DETECTOR)				RM100/sample	
23. HPLC (RI DETECTOR)				RM80/sample	
24. ATOMIC ABSORPTION SPECTROSCOPY (FLAME)				RM30/sample	
25. ATOMIC ABSORPTION SPECTROSCOPY (GRAPHITE)				RM40/sample	
26. MERCURY POROSIMETRY				RM250/sample	
27. TRISTAR II (BET)				RM120/sample	
28. TRISTAR II (BET+FULL ISOTERM )				RM170/sample	

Sample Justification	Instrument/Analyzer	(v)	No. of Sample	Price (RM)
	29. LIQUID ENTRY PRESSURE			RM70/sample
	30. 3 POINT BENDING MACHINE			RM100/sample

- Note:
1. Please fill the work justification/project above.
  2. Please tick (/) the instrument selection and number of sample(s) to be analyzed.

**B. FOR LAB MANAGEMENT APPROVAL AND CONFIRMATION PURPOSES**

Instrument Instructor : .....

Date of Analysis : .....

.....  
 Research Officer/Assistant Engineer Signature & Cop

Contact No. : .....

Name : .....

Date : .....

**C. APPROVAL**

Confirmed/Approved by Director/Manager :

.....

Name : .....

Date : .....

**D. ANALYSIS SUMMARY**

Total sample(s) Analyzed : .....

Analysis Report Deliver To : .....

Analysis Report Delivery Date : .....

Remark : \_\_\_\_\_  
 \_\_\_\_\_  
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