

## INSTRUMENTAL ANALYSIS APPLICATION FORM

**ADVANCED MEMBRANE TECHNOLOGY RESEARCH CENTRE (AMTEC)**  
**HIGHER INSTITUTIONS CENTRE OF EXCELLENCE (HICoE)**  
**BLOK N29a, FACULTY OF CHEMICAL & ENERGY ENGINEERING**  
**81310 UTM SKUDAI, JOHOR**  
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**Vot No: 66132 Butiran Bajet Kump. Wang: A Jenis Projek: 5267 PTJ: J091300 Sub. Projek: 07194**

### A. INSTRUMENT APPLICATION FORM (UTM STUDENT AND UTM RESEARCHER)

STUDENT NAME : \_\_\_\_\_  
 TEL. NUMBER AND EMAIL : \_\_\_\_\_  
 FACULTY/DEPARTMENT : \_\_\_\_\_  
 TYPE OF PROJECT : PSM / MSC. / PHD / RESEARCH PROJECT / INDUSTRIAL CONSULTANCY  
 PAYMENT METHOD : ☐ LOGCARD ☐ CASH ☐ INVOICE (VOT NO. \_\_\_\_\_)  
 SUPERVISOR NAME : \_\_\_\_\_  
 SUPERVISOR CONTACT NO : \_\_\_\_\_  
 SUPERVISOR EMAIL : \_\_\_\_\_  
 DATE OF FORM SUBMISSION : \_\_\_\_\_

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

| Sample Justification                                                                   | Instrument/Analyzer                                             | (√) | No. of Sample | Price (RM)    |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----|---------------|---------------|
| Specified Reference(s):                                                                | 1. ION CHROMATOGRAPHY (IC)                                      |     |               | RM100/sample  |
|                                                                                        | 2. IMPEDANCE ANALYSER PROTON CONDUCTIVITY                       |     |               | RM100/sample  |
|                                                                                        | 3. ZETA POTENTIAL SURPASS ANALYSER                              |     |               | RM100/sample  |
|                                                                                        | 4. ELECTROSPINNING MACHINE                                      |     |               | RM120/session |
| Parameters:                                                                            | 5. UV-VIS SPECTROPHOTOMETER DR4000/DR5000                       |     |               | RM50/sample   |
|                                                                                        | 6. UV-VIS SPECTROPHOTOMETER LAMBDA 25                           |     |               | RM50/sample   |
|                                                                                        | 7. ATOMIC FORCE MICROSCOPE (AFM)                                |     |               | RM130/sample  |
|                                                                                        | 8. FRONTIER TRANSFORM INFRARED (FTIR)                           |     |               | RM60/sample   |
| Remarks:                                                                               | 9. HIGH TEMPERATURE FURNACE (ABOVE 1400°C)                      |     |               | RM300/session |
|                                                                                        | 10. HIGH TEMPERATURE FURNACE (1400°C & BELOW)                   |     |               | RM160/session |
|                                                                                        | 11. SPUTTER COATER                                              |     |               | RM50/sample   |
|                                                                                        | 12. DIRECT METHANOL FUEL CELL ANALYSER (DMFC)                   |     |               | RM100/sample  |
| <input type="checkbox"/> FASTLANE ANALYSIS                                             | 13. GAS CHROMATOGRAPHY – THERMAL CONDUCTIVITY DETECTOR (GC-TCD) |     |               | RM100/sample  |
|                                                                                        | 14. HOLLOW FIBER SPINNING SYSTEM                                |     |               | RM250/sample  |
|                                                                                        | 15. FLAT SHEET MEMBRANE CASTING SYSTEM                          |     |               | RM100/sample  |
|                                                                                        | 16. ULTRAFILTRATION/NANOFILTRATION SYSTEM                       |     |               | RM100/sample  |
| *Additional 50% fee will be charges for Fastlane Analysis. Term and condition applied* | 17. REVERSE OSMOSIS SEPARATION SYSTEM                           |     |               | RM100/sample  |
|                                                                                        | 18. GAS SEPARATION SYSTEM                                       |     |               | RM100/sample  |
|                                                                                        | 19. SCANNING ELECTRON MICROSCOPE (SEM)                          |     |               | RM120/sample  |
|                                                                                        | 20. ENERGY DISPERSIVE X-RAY ANALYSIS (EDX)                      |     |               | RM120/sample  |
| TOTAL ANALYSIS PRICE = _____                                                           | 21. TOTAL ORGANIC CARBON ANALYZER                               |     |               | RM100/sample  |
|                                                                                        | 22. CONTACT ANGLE                                               |     |               | RM50/sample   |
|                                                                                        | 23. HPLC (UV-DETECTOR)                                          |     |               | RM100/sample  |
|                                                                                        | 24. HPLC (RI DETECTOR)                                          |     |               | RM80/sample   |
| FASTLANE ANALYSIS SURCHARGE = _____                                                    | 25. MERCURY POROSIMETRY                                         |     |               | RM250/sample  |
|                                                                                        | 26. TRISTAR II (BET)                                            |     |               | RM120/sample  |
|                                                                                        | 27. TRISTAR II (BET+FULL ISOTHERM)                              |     |               | RM200/sample  |
| TOTAL = _____                                                                          |                                                                 |     |               |               |

|  |                                                             |  |  |                 |
|--|-------------------------------------------------------------|--|--|-----------------|
|  | 28. LIQUID ENTRY PRESSURE                                   |  |  | RM70/1H session |
|  | 29. 3 POINT BENDING MACHINE                                 |  |  | RM100/sample    |
|  | 30. ATOMIC ABSORPTION SPECTROSCOPY (FLAME)                  |  |  | RM50/sample     |
|  | 31. ATOMIC ABSORPTION SPECTROSCOPY (HIGH TEMPERATURE FLAME) |  |  | RM50/sample     |
|  | 32. ATOMIC ABSORPTION SPECTROSCOPY (GRAPHITE)               |  |  | RM50/sample     |
|  | 33. CONDUCTIVITY TEST                                       |  |  | RM50/sample     |
|  | 34. TOTAL DISSOLVED SOLIDS TEST                             |  |  | RM50/sample     |
|  | 35. WATER SALINITY TEST                                     |  |  | RM50/sample     |
|  | 36. DISSOLVED OXYGEN TEST                                   |  |  | RM50/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 & Stamp**

**Contact No.** : .....

**Name** : .....

**Date** : .....

For More Information regarding  
analysis, machine availability,  
promotion and future event,  
follow our WhatsApp channel



For cash payment,  
please scan this  
code.

