



**MICROELECTRONIC & NANOTECHNOLOGY SHAMSUDDIN RESEARCH CENTER  
(MiNT-SRC)**

|                                      | <i>BADAN BERKANUN<br/>(RM)</i> | <i>INDUSTRI (RM)</i> | <b>Person in charge</b> |
|--------------------------------------|--------------------------------|----------------------|-------------------------|
| FESEM                                | 230/sample                     | 400/sample           | Mr. Ahmad Nasrull       |
| FESEM+EDX                            | 280/sample                     | 450/sample           | Mr. Ahmad Nasrull       |
| SURFACE PROFILER                     | 100/sample                     | 200/sample           | Mdm. Faezahana          |
| AFM                                  | 200/sample                     | 250/sample           | Mdm. Faezahana          |
| Low-resolution AFM                   | 100/sample                     | 200/sample           | Mdm. Faezahana          |
| XRD                                  | 150/sample                     | 300/sample           | Mdm. Faezahana          |
| CONTACT ANGLE                        | 75/sample                      | 150/sample           | Dr. Soon/Mr. Azwadi     |
| 4 POINT PROBE                        | 100/sample                     | 200/sample           | Dr. Zainizan/Mr. Azwadi |
| SOLAR SIMULATOR & IPCE               | 100/sample                     | 200/sample           | Dr. Khairul             |
| RF&DC MAGNETRON<br>SPUTTERING        | 200/hrs                        | 300/hrs              | Dr. Nafa                |
| UV-ViS                               | 50/hrs                         | 100/hrs              | Mr. Ahmad Nasrull       |
| IMPEDANCE ANALYZER                   | 100/sample                     | 200/sample           | Dr. Khairul/Mr. Azwadi  |
| THERMAL EVAPORATOR                   | 200/coating                    | 400/coating          | Dr. Zainizan/Mr. Azwadi |
| SPUTTER COATER (for FE-SEM)          | 75/coating                     | 100/coating          | Mr. Ahmad Nasrull       |
| RAMAN SPECTROSCOPY                   | 150/sample                     | 300/sample           | Dr. Marlia              |
| HALL EFFECT MEASUREMENT              | 150/sample                     | 300/sample           | Mdm. Faezahana          |
| BET                                  | 200/sample                     | 250/sample           | Mdm. Faezahana          |
| SEMICONDUCTOR<br>PARAMETRIC ANALYSER | 100/sample                     | 200/sample           | Mdm. Faezahana          |
| REACTIVE ION ETCHING                 | 200/hrs                        | 300/hrs              | Dr. Nafa                |
| E-BEAM LITHOGRAPHY                   | 200/hrs                        | 300/hrs              | Dr. Nafa                |
| MASK ALIGNER                         | 50/hrs                         | 100/hrs              | Dr. Nafa                |

#price is not including raw materials such as chemical, liquid nitrogen and sputter target.

For details and quotation, please ask Mdm. Faezahana or Person-in-charge.

| <b><i>Person in charge</i></b>   | <b><i>Email<br/>@uthm.edu.my</i></b> | <b><i>Phone</i></b> |
|----------------------------------|--------------------------------------|---------------------|
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| <b>Mr. Ahmad Nasrull Mohamed</b> | nasrull                              | 019-6282800         |
| <b>Dr. Soon Chin Fhong</b>       | soon                                 | 07-4538614          |
| <b>Dr. Mohd Zainizan Sahdan</b>  | zainizan                             | 07-4538618          |
| <b>Dr. Mohd Khairul Ahmad</b>    | akhairul                             | 07-4538615          |
| <b>Dr. Nafarizal Nayan</b>       | nafa                                 | 07-4538611          |
| <b>Dr. Marlia Morsin</b>         | marlia                               | 07-4538612          |
| <b>Mr. Mohd Azwadi Omar</b>      | azwadi                               | 011-35298831        |

