

**BORANG PERMOHONAN PENGGUNAAN PERALATAN
THERMAL CONSTANTS ANALYZER (Hot-Disk)**

Kategori Projek (*Project Category*): Tahun Akhir (*Final Year*) MSc PhD
 Perundingan (*Consultation*) R&D

Name of Applicant: _____
 H/P: _____ Ext. no.: _____
 No. Matrix/IC: _____ Email: _____
 School/Department _____
 Research Title: _____

Nama Sampel (<i>Sample Name</i>)	Jenis Sampel (<i>Sample Type</i>) (Polymer, Composite, Metal and Ceramic)	Keadaan Sampel (<i>Sample Condition</i>) (Sheet, Thin Film, Liquid, and Powder)	Anggaran Kekonduksian Terma (<i>Expectation Thermal Conductivity</i>) (W/mK)	Suhu Ujian (<i>Testing Temp.</i>) (°C)	Suhu lebur (<i>Melting point</i>) (°C)	Ketebalan (<i>Thickness</i>)	Bil. (<i>Qty</i>)

Note:

- (1). Sensor sizes (D-diameter, mm): STANDARD (D=13), THIN FILM (D=30).
- (2). Sample thickness: STANDARD (≥ 3 mm), THIN FILM (10 - 500 μ m)
- (3). Sample size must larger than sensor diameter. (Cylindrical shape is suggested)
- (4). Testing temperature range: Room temp. until 450 °C.
- (5). Only STANDARD allow to measure in high temp.
- (6). Please provide 2 pieces sample as 1 set sample except for liquid and powder.
- (7). *Thermal conductivity* and *Thermal diffusivity* can be obtained from this testing.

Tandatangan (*Applicant Signature*): _____ Tarikh (*Date*): _____

 Kebenaran daripada Penyelia projek (*Supervisor Approval*)

Saya _____, meluluskan permohonan untuk menggunakan kemudahan seperti di atas

 (Tandatangan Penyelia Projek)
Supervisor Signature

Tarikh (*Date*): _____

 Kebenaran daripada Penyelia Peralatan (*Approval by Equipment In-Charge Supervisor*)
 (*Profesor Ir. Dr. Mariatti Jaafar@Mustapha /Prof. Madya Ts. Ir. Dr. Anasyida Abu Seman*)

 Tandatangan Penyelia Peralatan
 (*Approved by Equipment In-Charge Supervisor*)

Tarikh (*Date*): _____