



UNIVERSITI SAINS MALAYSIA

**PUSAT PENGAJIAN SAINS KIMIA**

SCHOOL OF CHEMICAL SCIENCES

**UNIVERSITI SAINS MALAYSIA**

11800 USM, PULAU PINANG

Tel: 04-653 3540

**BILIK ALATAN FTIR** 278/G09 Organik (Organic) K214/G09A  
Analisis (Analysis) 370/G09 Tak Organik (Inorganic)

Tarikh

(Date)

Staf Bertugas

(Staff In-Charge)

016-388 0589 (Mr. Sivaraj)

019-476 8584 (Mr. Azhar)

012-455 4939 (Mr. Fauzan)

**BORANG PERMOHONAN ANALISIS FTIR**

(FOURIER-TRANSFORM INFRARED SPECTROSCOPY, FTIR ANALYSIS APPLICATION FORM)

<b>Nama Pemohon</b> (Applicant's Name)		<b>No. Telefon</b> (Phone No.)	
<b>Alamat Email</b> (Email Address)		<b>Tandatangan Pemohon</b> (Applicant's Signature)	
<b>Pusat Pengajian/Makmal</b> (School/Lab)		<b>*No. Matrik/Staf</b> (Matric/Staff No.)	
<b>Status Pemohon, sila tanda <math>\checkmark</math></b> (Applicant's Status, please mark $\checkmark$ )	<input type="checkbox"/> Pelajar PhD (PhD student)	<input type="checkbox"/> Pelajar sarjana (MSc student)	<input type="checkbox"/> Pelajar tahun akhir (Undergraduate / FYP student)
<b>Nama Penyelia</b> (Supervisor's Name)		<b>No. PO / No. Resit Pembayaran</b> (Purchase Order No. / Receipt No.)	
<b>Tandatangan Penyelia</b> (Supervisor's Signature)		<b>Cop Penyelia</b> (Supervisor's Stamp)	

\*Untuk USM sahaja (USM only)

**MAKLUMAT SAMPEL**  
(SAMPLE INFORMATION)

<b>PENYEDIAAN SAMPEL; sila tanda <math>\checkmark</math></b> (SAMPLE PREPARATION; please mark $\checkmark$ )	<input type="checkbox"/> KBr Die	<input type="checkbox"/> ATR
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<b>JENIS SAMPEL</b> (TYPE OF SAMPLE)	<b>JENIS</b> (TYPE)	<b>KUANTITI</b> (QUANTITY)
	Pepejal (Solid)	
	Serbuk (Powder)	
	Cecair (Liquid)	
	Gel	
	Lain-lain: (Others)	
	<b>Jumlah Sampel</b> (Total Number of Sample)	

**SPESIFIKASI METOD**  
(METHOD SPECIFICATION)

<b>Resolution (<math>\text{cm}^{-1}</math>);</b> (400 – 4000 $\text{cm}^{-1}$ only)	
<b>No. of scans</b>	
<b>Range (<math>\text{cm}^{-1}</math>)</b>	
<b>Baseline correction</b>	
<b>Smoothing</b>	

Requested Result in (Please mark  $\checkmark$  which applied)

<input type="checkbox"/> Text Document (ASCII type)	<input type="checkbox"/> PDF
<input type="checkbox"/> Excel	<input type="checkbox"/> Others:

**KEGUNAAN PEJABAT**  
(OFFICE USE)

<b>Tarikh Terima Sampel</b> (Sample Received Date)	<b>Tarikh Lengkap Analisis</b> (Completed Analysis Date)
<b>Tandatangan dan Cop Pegawai Bertugas</b> (Signature and Stamp of Officer In-Charge)	

**General Rules and Requirements:**

- Sampel mestilah dalam julat 0.5 – 1 g or 0.5 ml – 1 ml sahaja.  
(Sample must be in the range of 0.5 – 1 g or 0.5 ml – 1 ml only).
- Julat mestilah antara 400 – 4000  $\text{cm}^{-1}$  sahaja.  
(Range must be between 400 – 4000  $\text{cm}^{-1}$  only).
- Sampel perlu dilabelkan dengan jelas.  
(Sample need to be clearly labelled).
- Semua harga analisis adalah tertakluk kepada perubahan.  
(All analysis prices are subject to change).
- Anggaran menunggu untuk keputusan adalah dalam tempoh 1 – 2 minggu.  
(Estimated waiting period for result is within 1 – 2 weeks).