



**FACULTY OF SCIENCE AND
TECHNOLOGY, USIM**

Form Num.	NMR/FST/0001
Revision No.	
Effective Date	18/07/2023
Equipment	NMR
Sample Serial No.	NMR - 2023:

NUCLEAR MAGNETIC RESONANCE – Bruker Ascend 400 Mhz

SAMPLE SUBMISSION FORM

General Rules and Requirement:

1. All information provided should be true
2. Booking will be notify/updated by email/phone call or message
3. Booking procedure
 - a. Complete the application form including student/company detail
 - b. Submit the completed application form to the Officer
4. Sample Condition & Preparation
 - a. Samples preparation need to be done by applicant before submission
 - b. FST has the right to cancel any analysis if the sample is suspected to have high risk on the safety of the operator or can cause damage to the instrument during the analysis
 - c. The sample must be dried, pure and known the solvent (please state the solvent for each sample)
 - d. The sample's weight must not be less than 10mg for ¹H test, meanwhile, 20mg for ¹³Carbon test and others if self-prepared. Otherwise, solid or powder sample to be send to officer should be not less than 500mg in weight.
 - e. Samples shall be delivered in small glass containers, sealed and labelled
 - f. The remaining samples will be disposed of within a week after the analysis is completed
 - g. All inquiries regarding NMR should be forwarded to the Science Officer (Muhammad Ashraf) at 013-5957993 or Assistant Science Officer (Mohd Nazarali) at 012-3904437

1. APPLICANT'S PERSONAL PARTICULARS				
Name of applicant				
Status of applicant	<input type="checkbox"/> Undergraduate	<input type="checkbox"/> Master	<input type="checkbox"/> PhD	<input type="checkbox"/> Researcher
Student matric no.				
Faculty/Department				
Handphone no. & email				
2. SUPERVISOR DETAILS				
Name of supervisor				
Staff ID no.				
Faculty/Department				
Handphone no.				
Email				
Mode of payment	<input type="checkbox"/> Cash	<input type="checkbox"/> EFT	<input type="checkbox"/> Log card	<input type="checkbox"/> Invoice
*Payment using invoice	Research Vot No. (e.g.: Q.J091600.24C3.01D32)			
	Balance of V29000			
Signature & official stamp				
3. SAMPLE & ANALYSIS INFORMATION				
Total no. of sample				
Name of Sample	Test	Solvent	Type	Properties
	¹ H, ¹³ C, Dept (45, 90, 135), COSY, HMBC, HMQC	Chloroform-D1, Dimethyl sulfoxide-D6, Methanol-D4, Ethanol- D6, Deuterium oxide, Acetone-D6	Organic / inorganic/ polymer	Halogenic/ Non-halogenic
i)				
ii)				
iii)				

Expected element/ Chemical formula	
Sample information/ notes/ hazard	
<i>Note: Please attach references for the expected result.</i>	