



UMK/A13/32/2022

Tarikh Kuatkuasa: 12 Januari 2022

**BORANG PERMOHONAN PENGGUNAAN UNIVERSAL TESTING MACHINE  
( UNIVERSAL TESTING MACHINE APPLICATION FORM )  
( M500-50CT TESTOMETRIC )**

FAKULTI BIOKEJURUTERAAN DAN TEKNOLOGI

Sila tandakan (√): Jenis Analisis  
Please tick (√): Type of Analysis

TENSILE

3 POINT  
BENDING

COMPRESSION

SHEAR

Nama Pemohon (Applicant's Name): \_\_\_\_\_

Fakulti/Institusi (Faculty/Institution): \_\_\_\_\_ No. Matrix (Matrix No.): \_\_\_\_\_

Kategori Projek (Project Category): \_\_\_\_\_

 Projek Tahun Akhir (Final Year Project) Penyelidikan FBKT (FBKT Research) Sarjana (Master) Penyelidikan Bukan FBKT (Non-FBKT Research) Doktor Falsafah (PhD) Perundingan (Consultation)

Tajuk Projek (Project Title): \_\_\_\_\_

Tandatangan Pemohon (Applicant's Signature): \_\_\_\_\_ E-mel (Email): \_\_\_\_\_

Tarikh (Date): \_\_\_\_\_ No.Tel (Tel. No.): \_\_\_\_\_

**Maklumat Sampel (Sample's Information):**

Load Cell: \_\_\_\_\_

Test speed: \_\_\_\_\_ mm/min

Type of sample: \_\_\_\_\_ (Except Metal Sample)

Testing result, (please tick √): Please list if there are any additions (Sila senaraikan jika ada penambahan)

Tensile Result		3-Point Bending Result		Compression Result		Shear Result	
Force@Peak (N)		Force@Peak (N)		Force@Peak (N)		Force@Peak (N)	
Elongation@Peak (mm)		Bending Modulus (N/mm <sup>2</sup> )		Energy (0.000 to 0.000mm)(N.m)		Energy to Break (N.m)	
Stress@Peak (N/mm <sup>2</sup> )		Bending Strength@Peak (N/mm <sup>2</sup> )				Stress@Break (N/mm <sup>2</sup> )	
Strain@Peak (%)							
Strain@Break (%)							

Bil (No)	Nama Sampel (Sample's Name)	Panjang Sampel (mm) (Sample Length) (mm)	Lebar Sampel (mm) (Sample Width) (mm)	Ketebalan Sampel (mm) (Sample Thickness) (mm)

Tandatangan & Cop Penyelia (Signature & Stamp of Supervisor)	Tandatangan & Cop Pegawai Bertanggungjawab (Signature & Stamp of Person Responsible)	Tandatangan & Cop Pegawai Bertugas (Signature & Stamp of Person In-Charge)