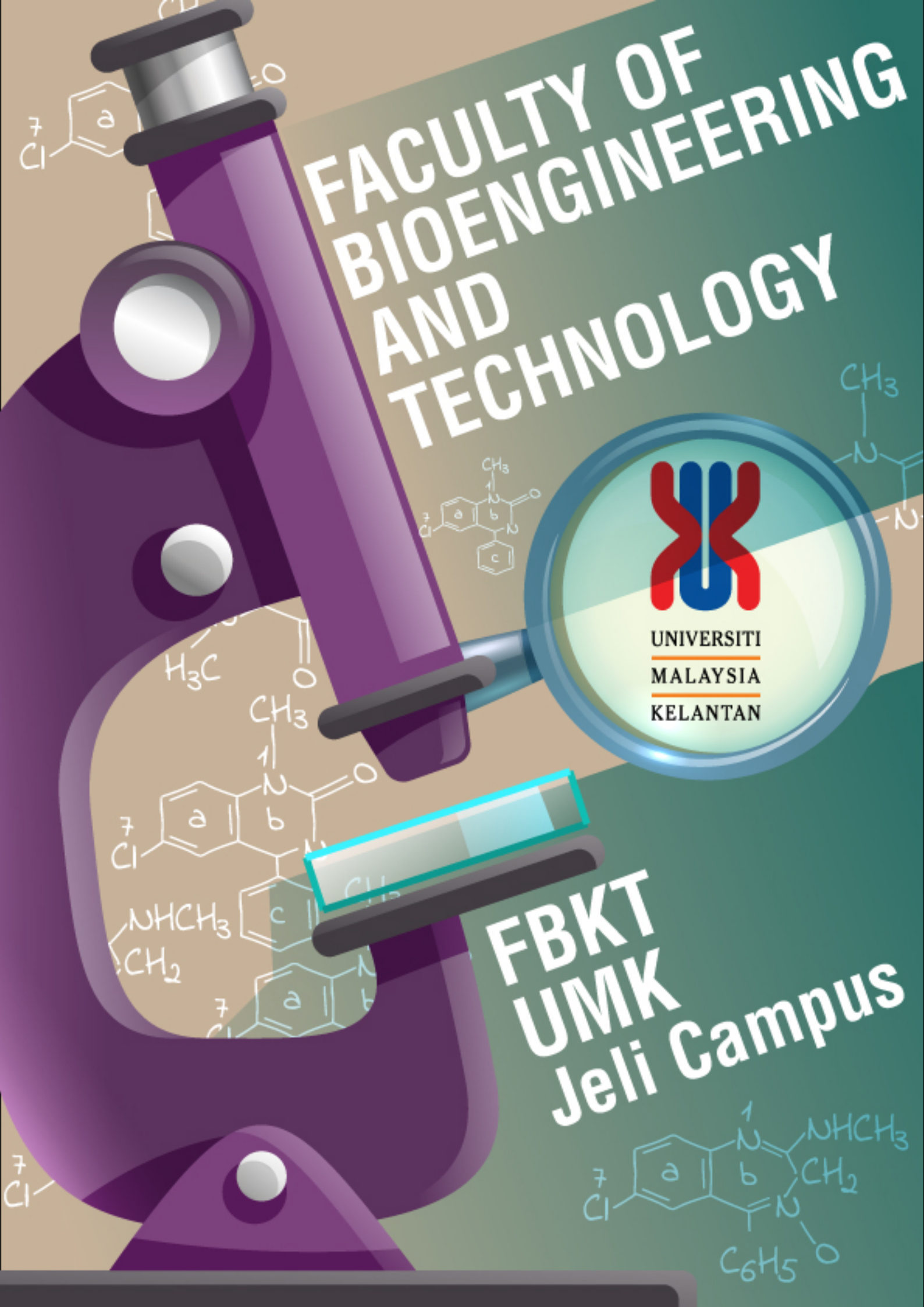




UNIVERSITI
MALAYSIA
KELANTAN

LABORATORY & TESTING FACILITIES

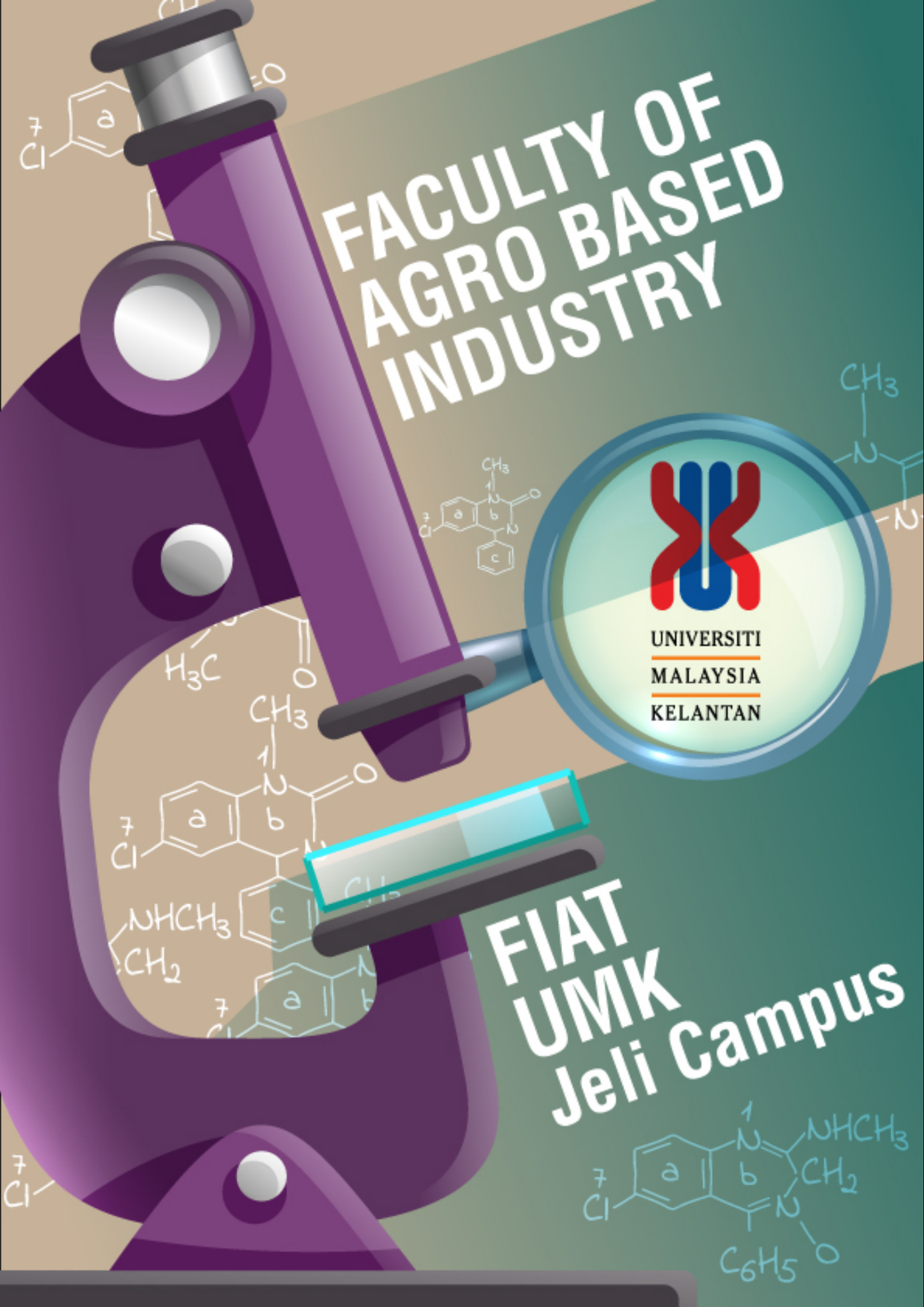
UMK@



LIST OF LABORATORY EQUIPMENT

NO.	LABORATORY EQUIPMENT	QUANTITY
1	SMALL INCUBATOR	1
2	INCUBATOR SHAKER	3
3	BIOREACTOR	1
4	BIOREACTOR	1
5	UPSON CHILLER (2 DOOR) (4°C)	1
6	2 DOOR DISPLAY CHILLER (E) GOLD BLOWER (4°C)	1
7	CHILLER	1
8	WATERBATH & SHAKING DEVICE (MEMMERT)	1
9	SPECTROPHOTOMETER GENESYS	2
10	SONICATOR	1
11	LAMINAR FLOW	1
12	MICROSCOPE COMPOUND	2
13	ADVANCE MOISTURE ANALYZERS	2
14	3D PRINTER	1
15	CONTINUOUS RADON MONITOR	1
16	ELECTROCHEMICAL TESTER	1
17	GRINDING & POLISHING MACHINE	1
18	MANUAL PULL-OFF ADHESION TESTER COMPLETE KIT	1
19	MOLDING TEST PRESS	1
20	PARTICLE BOARD GLUE MIXER	1
21	MOTORIZED ROCKWELL DIGITAL HARDNESS TESTER	1
22	PLATINUM ELECTRODE	1
23	RADON MONITOR, MODEL:1030	1
24	REFLECTED & TRANSMITTED LIGHT METALLUGICAL MICROSCOPE	2
25	BALL MILLING DEVICE	1
26	LARGE CAPACITY GENERAL PROTOCOLS OVEN	1
27	MINI BERNOULIC TEST BENCH	1
28	ENERGY DISPENSIVE X-RAY FLUORENESCENCE (EDXRF)	1
29	BENCHTOP X-RAY DIFFRACTOMETER (XRD)	1
30	PRESSING DEVICE	1
31	RADIATION ALERT SURVEY METER	2
32	OVEN (DRYING LABORATORY OVEN)	1
33	SINGLE BLADE THICKNESSER	1
34	TABLE SAW WITH 2 BLADES	1
35	UNIVERSAL TESTING	1
36	WELDING SET	1
37	WOOD CHIPPER	1
38	WOOD FLAKER	1
39	WOOD GRINDER	1
40	WOOD PLANNER	1
41	WOOD SIEVER (SREENER)	1

NO.	LABORATORY EQUIPMENT	QUANTITY
42	FLAT DIE PALLET MILL (WOC PALLET MACHINE)	1
43	BELT (TABLE) WITH ROUND DISC SANDER	1
44	HEAVY DUTY INVERTER ARC WELDING COMPLETE SET	1
45	HYDRAULIC COLD PRESS	1
46	HYDRAULIC HOT PRESS -1 UNIT WITH 6 PLATEN	1
47	INVENTER FOR WOOD PALLET MACHINE	1
48	CHARPY PENDULUM IMPACT TESTER	1
49	CONDITIONER CHAMBER	1
50	DENSITY DETERMINATION SET	1
51	DUST COLLECTOR	2
52	ANALYTICAL BALANCE	1
53	BIOSAFETY CABINET CLASS II	1
54	AUTOCLAVE	1
55	FLAMMABLE SAFETY CABINET (YELLOW CABINET)	4
56	CORROSIVES / ACID STEEL SAFETY CABINET (BLUE COLOR)	4
57	HANDSHEET MACHINE	1
58	FURNACE (1300°C)	1
59	FURNACE (1500°C)	1
60	CENTRIFUGE	1
61	MULTIPARAMETER COLORIMETER	1
62	SIMULTANEOUS THERMOGRAVIMETRY & DIFFERENTIAL SCANNING CALORIMETRY (TGA/DSC) ANALYSER	1
63	REAL TIME POLYMERASE CHAIN REACTION (PCR) SYSTEM	1
64	POLISHING AND GRINDING MACHINE	1
65	GTA WELDING MACHINE	1
66	PCR MACHINE	1
67	IMAGE ANALYZER WITH METALLURGICAL MICROSCOPE AND CAMERA	1
68	MICROTOME	1
69	HEAVY DUTY SLIDING TABLE SAW WITH DUST COLLECTOR	1
70	UV-VIS SPECTROPHOTOMETER WITH COMPUTER	1
71	OVEN	1
72	ROTARY EVAPORATOR	1



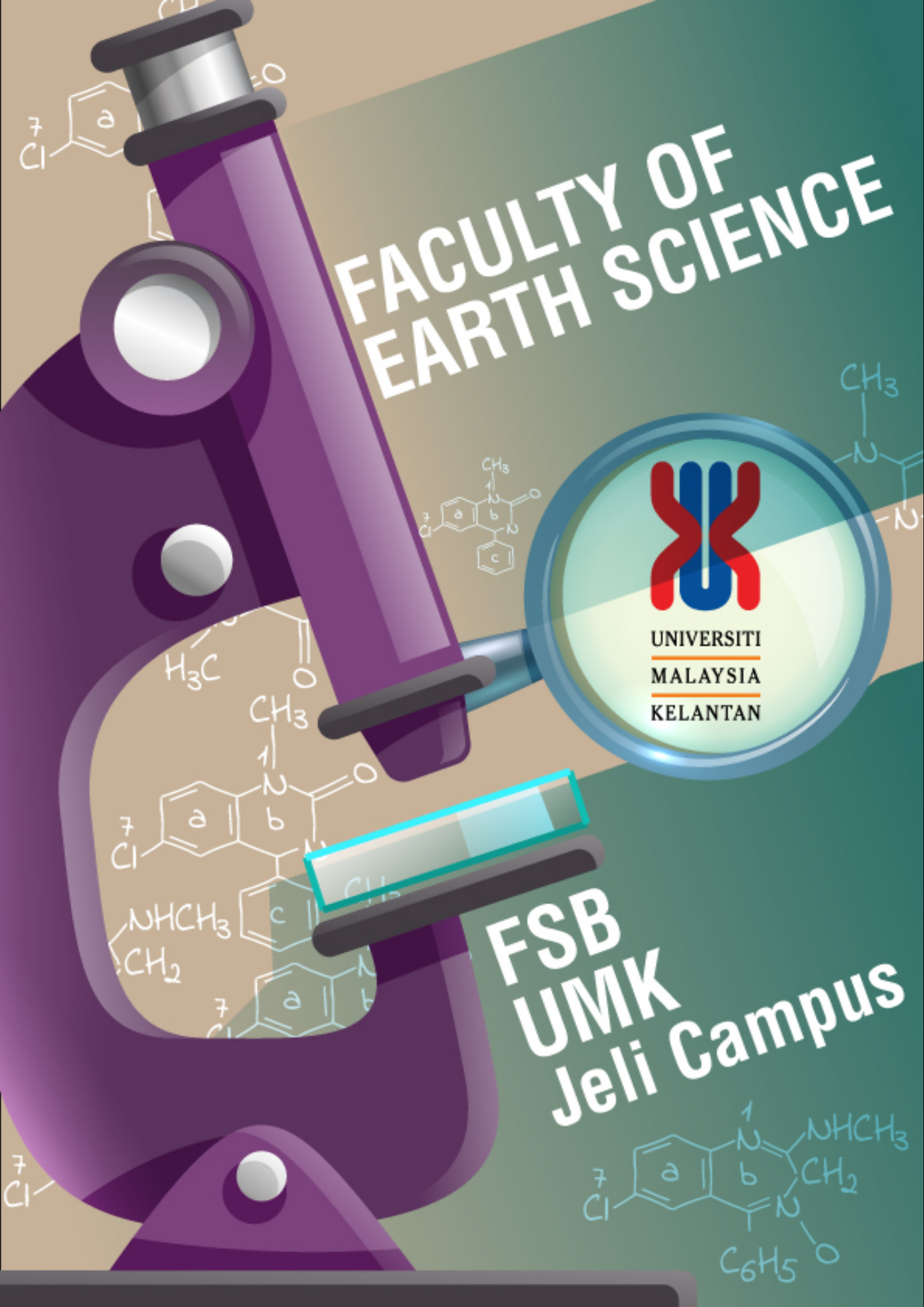
LIST OF LABORATORY EQUIPMENT

NO.	LABORATORY EQUIPMENT	QUANTITY
1	COMPOUND RESEARCH MICROSCOPE	1
2	ZENOAH EARTH AUGER AG531 C/W 150MM DRILL	1
3	ULTRA SONICAR	1
4	FURNACE	1
5	AUTOCLAVE	5
6	PREPARATIVE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) - MAKMAL BERPUSAT KAMPUS JELI	1
7	REFIGERATED BATHCIRCULATOR	1
8	WATER ACTIVITY METER - MAKMAL MAKANAN	1
9	BIOLOGICAL SAFETY CABINET (CLASS 2)	1
10	SHAKER	1
11	MULTIPARAMETER	1
12	SINGLE GLASS DOOR REFRIGERATORS	1
13	POWER TILLER MODEL PPTC-85R AND RIDGER FOR PPTC-85R	1
14	ELISA READER - DELL VOSTRO NOTEBOOK	1
15	BONE SAW JG-300	1
16	ANALYTICAL BALANCES	6
17	SAMSUNG FRIDGE	1
18	FERMENTER SYSTEM	1
19	GRINDER	1
20	DISSECTING MICROSCOPE	4
21	LAMINAR FLOW	6
22	WATERBATH SHAKER	1
23	SPECTROPHOTOMETER	1
24	PELLETIZER	1
25	DIGESTER	1
26	DRYING OVEN	1
27	HIGH VOLUME SAMPLER	1
28	MICRO LITER CENTRIFUGE WITH ROTOR	1
29	MICROSCOPE CAMERA	1
30	WATER DEIONIZER	1
31	INCUBATOR	1
32	SPECTROPHOMETER	1
33	ELECTROPHORISIS SET	1
34	LIQUID NITRON CONTAINER (PORTABLE)	1
35	GAS OVEN (1 DECK 2 TRAY) + KAKI	1
36	NOODLE MACHINE- ORIMAS	1
37	VACUUM MACHINE CABLE TOP	1
38	MEAT BALL MACHINE	1
39	FRACTION COLLECTOR AND PERISTALIC PUMP SYSTEM	1
40	ROCKING SHAKER	1
41	ENGINE ROBIN GASOLINE	1

NO.	LABORATORY EQUIPMENT	QUANTITY
42	POLARIZING MICROSCOPE	8
43	VISIBLE SPECTROPHOTOMETER	1
44	FISH MEAT SEPARATOR	1
45	OVEN INCUBATOR	1
46	HIGH SPEED REFRIGERATED CENTRIFUGE (FLOOR TOP)	1
47	EVAPORATOR SYSTEM	1
48	UV-VIS SPECTROPHOTOMETER	1
49	BENCHTOP INCUBATOR SHAKER	1
50	FORCED CONVENTION OVEN	1
51	COMPOUND BINOCULAR MICROSCOPE WITH HD CAMERA	2
52	COMPOUND BINOCULAR MICROSCOPE	3
53	PORTABLE CONDUCTIVITY, SALINITY & TEMPERATURE METER	1
54	MINI POLYCYLAMMIDE GEL SYSTEM	1
55	2 DOOR DISPLAY CHILLER-(E) GOLD BLOWER SYSTEM	3
56	BIO PURE, ALKEN SERVICE, K300	1
57	INCUBATOR COMES WITH RS 232, CAPACITY: 102L , MODEL: IB -15G - MAKMAL FIAT	1
58	FORCED CONVECTION OVEN INCLUDING RS-232 INTERFACE AND SOFTWARE , CAPACITY : 151L , BRAND: LAB COMPANION -JEIO TECH , KOREA - MAKMAL FIAT	1
59	TA SOON CULTIVATOR (TS-628H PETROL ENGINE) , MODEL: ROBIN EH25-2B (0) 5HP - AGROPARK	1
60	WATERBATH WNB45 C/W SLOPING COVER & SHAKING DEVICE ,MODEL: WNB45L4, BRAND: MEMMERT	1
61	OVEN+HOOD+DAPUR GAS - MAKMAL PASCASISWAZAH & MAKMAL TEKNOLOGI MAKANAN	1
62	CRUDE FIBER SYSTEM	1
63	SIEVE SHAKER-UMK(B)/S-A/25/2019- FIAT(LOKASI : RUANG PENGERINGAN, FIAT UMK KAMPUS JELI)	1
64	ULTRA LOW TEMPERATURE FREEZER(- 80 CELSIUS)-UMK(B)/S-A/25/2019- FIAT(LOKASI : MAKMAL BIOLOGI, FIAT UMK KAMPUS JELI)	1
65	VISIBLE SPECTROPHOTOMETER	2
66	DRYING OVEN WITH FAN	2
67	FREEZE DRYER-MAKMAL MOLEKULAR, FIAT	1
68	DP-20 VETERINAR ULTRASOUND SCANNER FOR CATTLE GOAT SHEEP WITH TRANSABDOMINAL PROBE	1
69	FORROW RIDGER	1
70	UNIBLOC ANALYTICAL BALANCE- MAKMAL SAINS TANAH, FIAT	1
71	S/S DOUBLE DOOR COMMERCIAL DEHYDRATOR-24 TRAYS	1
72	INCUBATOR SHAKER -(LOKASI : MAKMAL BIOLOGI)	1
73	UV-VIS SPECTROPHOTOMETER	1
74	FURNACE	2
75	OPEN SHAKER -MAKMAL SAINS TANAH	1

NO.	LABORATORY EQUIPMENT	QUANTITY
76	MICROSCOPE STORAGE CABINET- MAKMAL BAP 0.1, FIAT UMK KAMPUS JELI	1
77	SPAD PLUS CHLOROPHYLL METER	1
78	FLAKE ICE MAKER	2
79	LABORATORY UPRIGHT FREEZER (-20)	1
80	ULTRALOW UPRIGHT FREEZER (-86C)	1
81	LABORATORY CHILLER	1
82	FORCE CIRCULATION OVEN	1
83	VACUM DRYING OVEN	1
84	GEL DOCUMENTATION	1
85	PLANT GROWTH CAMBER	1
86	MANUAL ROTARY MICROTOME	1
87	GAS CHROMATOGRAPHY MASS SPECTROMETER WITH HEADSPACE	1
88	ROTARY EVAPORATORY WITH VACUUM PUMP	1
89	BENCHTOP CENTRIFUGE	1
90	THEMAL CYCLER GADIENT	2
91	THREE ZONE TUBE FURNACE	1
92	SEAMER MACHINE	1
93	ULTRASONIC BATH	1
94	DOUBLE NOZZLES ULTRASONIC SPRAY DRYER	1
95	STOMACHER ,S/N : 021230S11094	1
96	TEXTURE ANALYZER , MODEL"CT3- 50KG, BRAND:BROOKFIELD ENGINEERING /USA	1
97	CHROMA METER	1
98	DISSECTING MICROSCOPE WITH BUILT-IN LIGHTING STAND	2
99	MICROVOLUME SPECTROPHOTOMETER , S/N:S680WA	1
100	ULTRAVIOLET TLC	4
101	HORIZONTAL ELECTROPHORESIS SET FOR AGAROSE	1
102	DIGITAL THEODOLITE	1
103	SMALL INCUBATOR	2
104	ANALYTICAL BALANCE (0.001G)	5
105	VERTICAL ELECTROPHORESIS SET FOR SDS PAGE	2
106	COOLING & HEATING CIRCULATING WATER BATH	1
107	GRANULAR MATRIX SENSOR METER - MAKMAL KIMA FIZIK	1
108	BIOSAFETY CABINET CLASS 2	1
109	LIQUID NITROGEN TANK FOR CRYO SEMEN	1
110	ELECTROMAGNETIC FLOE METER	1
111	MOISTURE ANALYZER , JAPAN , S/N:P1039439 - MAKMAL PENYELIDIKAN HAIWAN	1
112	VISCOMETER (1-100 PA.S) SV-100 , S/N: 14804148 - MAKMAL PENYELIDIKAN HAIWAN	1
113	DRYING OVEN WITH FAN , MODELNO:UF110, MEMMERT GERMANY , S/N:B41610349 - MAKMAL BIOLOGI	1

NO.	LABORATORY EQUIPMENT	QUANTITY
114	WATER QUALITY TESTER (MULTIPARAMETER) - MAKMAL BIOLOGI	1
115	INCUBATED SHAKER WITH TEMPERATURE CONTROLLER	1
116	DRYING OVEN WITH FAN	2
117	ANALYTICAL BALANCE (0.01G)	4
118	INDUSTRIAL BLENDER-PUSAT PEMROSESAN PRODUK FIAT,UMK JELI	1
119	STAINLESS STEEL (MIXER WITH HEATER)-PUSAT PEMROSESAN PRODUK FIAT,UMK JELI	1
120	PNEUMATIC LIQUID FILLING MACHINE-1 HEAD MODEL :600ML-AEC	1
121	PNEUMATIC LIQUID FILLING MACHINE-1 HEAD MODEL :600ML-AEC	1
122	GAS BAKING OVEN (BRAVO) , 1 DECK 2 TRAY	2
123	600MMX700MM (MILD STEEL,STAINLESS-STEEL PLATE,3SM DIGITAL FLOOR SCALE)	1
124	2DOOR DISPLAY CHILLER-STANDARD TYPE	2
125	S/S COMMERCIAL DEHYDRATOR- MODEL:ST-100	1
126	NOODLE MACHINE	1
127	VACUUM PACKING MACHINE	1
128	BLENDER S/STEEL C/W 1.5HP MOTOR	1
129	SURFACE AREA ANALYZER - MAKMAL	

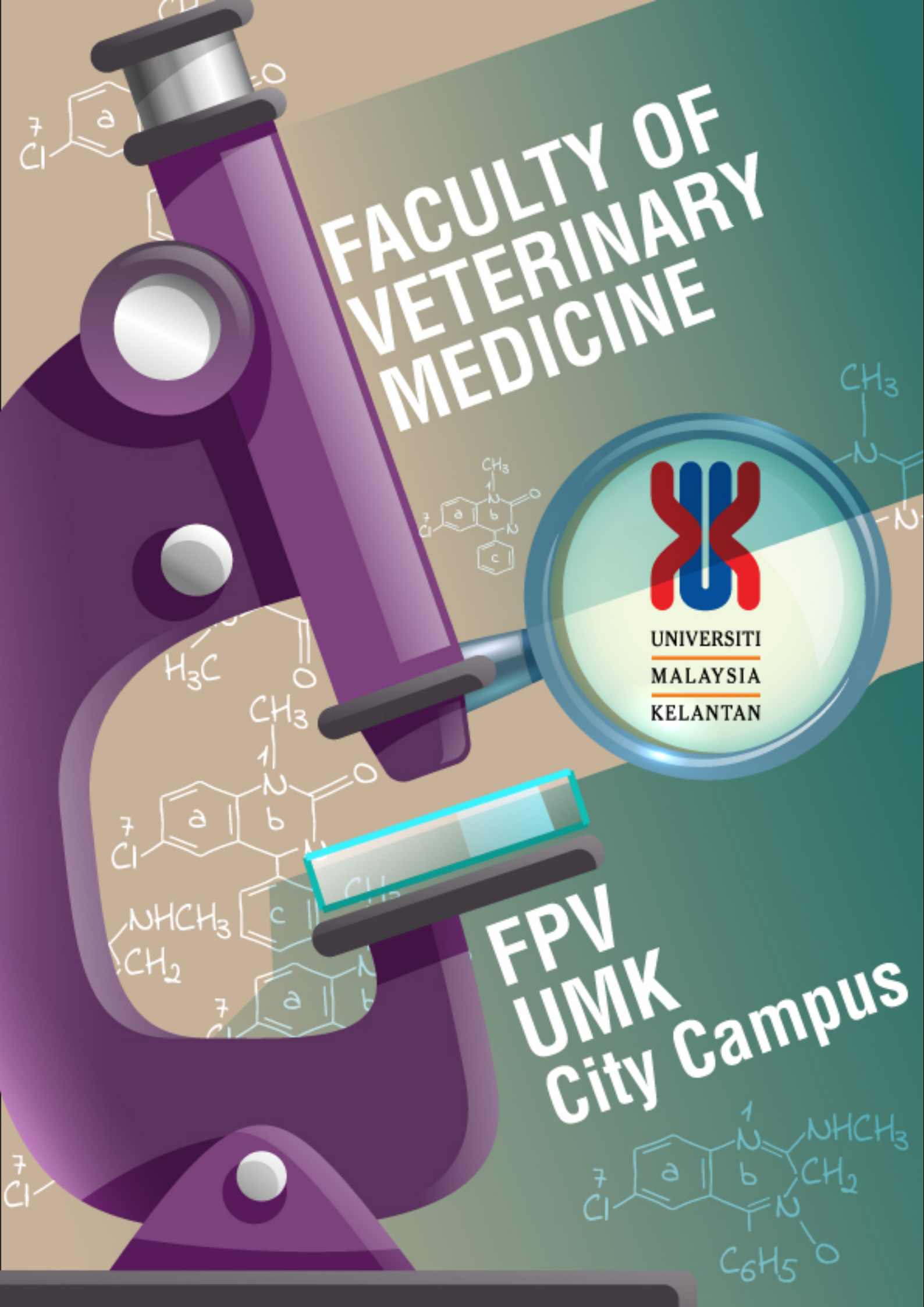


LIST OF LABORATORY EQUIPMENT

NO.	LABORATORY EQUIPMENT	QUANTITY
1	REFRIGERATED AIR DRYER	1
2	SINGLE GLASS DOOR LABORATORY REFRIGERATOR - 368L , MODEL : PLR386	1
3	LUND CABEL FOR RESISTIVITY METER	2
4	PROCEQ ORIGINAL SCHMIDT TYPE N BASIC UNIT	1
5	GASES TANK FOR NITROGEN C/W PURIFIED NITROGEN GAS, REGULATOR BOC , PU FLEXIBLE TUBING & FLOW METER (DWYER)	1
6	DR/ 900 COLORIMETER, CAT NO: 9385100	1
7	PRECISION BALANCE WITH DENSITY DETERMINATION KIT	1
8	SLAKE DURABILITY	1
9	DIGITAL POINT APPARATUS	1
10	LOS ANGELES ABRASION MACHINE	1
11	PARTICLE SIZE ANALYSIS OF SOILS	1
12	EKMAN GRAB SAMPLER (SBM-223570)	1
13	ORBITAL SHAKER INCUBATOR	1
14	UV-VIS SPECHTROPHOTOMETER	2
15	AUTOClave	2
16	GEL ELECTROPHORESIS TANK & POWER SUPPLY, JENAMA: BIORAD WIDE MINI-SUB CELL GT HORIZONTAL	1
17	OVEN 300'C, JENAMA: MEMMERT UF260	1
18	MULTIPARAMETER, JENAMA: YSI PRO PLUS	1
19	FURNACE	2
20	POLYMERASE CHAIN REACTION (PCR) MACHINE	2
21	JAR TESTER EQUIPMENT	2
22	SMART COATER FOR SEM (WITH 1 GOLD TARGET)	1
23	TRANSMITTING AND REFLECTING POLARIZING MICROSCOPE	1
24	4'C REFRIGERATOR MODEL: CHILL-500 (PROTECH)	2
25	20' C FREEZER	2
26	PORTABLE DIESEL ENGINE GENERATOR 5KW	2
27	WATER BATH WITH ULTRA- SONICATION	1
28	NITROGEN EVAPORATOR	1
29	PROJECT MOTION	2
30	OVEN (DRYING LABORATORY OVEN)	1
31	WATER DEIONIZER	1
32	LAMINAR FLOW	2
33	MICROSCOPE POLARIZATION	5
34	WATERBATH SHAKER	1
35	HAND HELD TUBIDITY , SUSPENDE SOLIDS & SLUDGE LEVEL	1
36	CONDUCTIVITY, SALINITY & TEMPERATURE PORTABLE METER	1
37	ANALYTICAL BALANCE (220G)	2
38	STANDARD DIGITAL MUFFLES FURNACE 12 L, MODEL : FH-12	1
39	CENTRIFUGE	1

NO.	LABORATORY EQUIPMENT	QUANTITY
40	MACHINE (13000 RPM) PRINTER AO (SIZE PLOTTER)	1
41	MOBILE RADIO	1
42	HAND HELD TURBIDITY SUSPENDED SOLIDS SLUDGE BLANKET LEVEL	1
43	CONDUCTIVITY , RESISTIVITY, TDS & TEMPERATURE PORTABLE METER	1
44	LOW VOLUME AIR SAMPLER	1
45	SOLID PHASE EXTRACTION SYSTEM	1
46	STANDARD DIGITAL MUFFLES FURNACE	1
47	COLOR READER	1
48	SPECTRORADIOMETER	1
49	HIGH VOLUME AIR SAMPLER	1
50	CONSTANT CLIMATE CHAMBER	1
51	PETROGRAPHIC SAMPLE PREPARATION EQUIPMENT	1
52	INCUBATOR	1
53	ROCK CUTTER	1
54	PISTON SAMPLER (HAND CORNER)	1
55	ROCK SCHIMT HAMMER (IN TYPE)	1
56	GLASS DOOR LOW TEMPERATURE (BOD) INCUBATOR	1
57	MINI CENTRIFUGE	2
58	T18 DIGITAL ULTRA-TURRAX PACKAGE (IKA)	1
59	BIOLOGICAL TRINOCULAR MICROSCOPE MODEL Y-L03 (RAX VISION)	1
60	CRYO DIAMOND CUTTER FOR SEM ANALYSIS, JENAMA:DIATOME	1
61	RESISTIVITY, IP & SP METER, JENAMA : ABEM	1
62	ADVANCE RESEARCH FTIR WITH MAP CAPABILITY	1
63	DISSOLVED OXYGEN & TEMPERATURE 4M PROBE & CABLE V ,JENAMA:E-COSENSE	4
64	WATER BATH 30L	1
65	DISTILLED WATER MAKER	1
66	SCANNING ELECTRON MICROSCOPE(SEM WITH FULLY INTERGATED ENER-GY-DISPERSIVE X- RAY SPECTROSCOPY (EDS)	1
67	ATOMIC ABSORTION SPECTROPHOMETER (AAS)	1
68	LAW OF COLLISION / DEMOSTRATION TRACK WITH A A-TIMER	1
69	FREE FALL COMPLETE SET (INTERFACE VERSION WITH COBRA)	1
70	DETERMINATION OF THE GRAVITONAL CONSTANT	1
71	PROJECTILE MOTION	1
72	HEATING CAPACITY OF GASES	1
73	SLEVE SHAKER 200ML - MAKMAL SOIL	1
74	MULTIPARAMETER (YIS MPS)	1
75	GLASS DOOR LOW TEMPERATURE / BOD INCUBATOR	1
76	GLASS DOOR LOW TEMPERATURE /BOD INCUBATOR	1
77	DIGITAL WATER VELOCITY METER	1
78	SMALL CURRENT METER	1
79	DISSOLVED OXYGEN METER	2

NO.	LABORATORY EQUIPMENT	QUANTITY
80	PORTABLE CONDUCTIVITY, SALINITY AND TEMPERATURE METER	1
81	PORTABLE LASER AREA METER	1
82	SOUND LEVEL METER	1
83	PORTABLE TURBIDIMETER	1



LIST OF LABORATORY EQUIPMENT

NO.	LABORATORY EQUIPMENT	QUANTITY
1	LOW TEMPERATURE FREEZER	1
2	FLOOR STAND FREEZE DRYER 12L SYSTEM- MAKMAL VIROLOGI	1
3	REFRIGERATOR - MAKMAL MOLEKULAR & MAKMAL MICROBIOLOGI	2
4	REFRIGERATOR (-20C) - MAKMAL RNOMIC	3
5	REFRIGERATED INCUBATOR SHAKER	1
6	PUMP DISPENSER - MAKMAL BAKTERIOLOGI	2
7	SOCTEX AVANTI 2055 MANUAL SYSTEM 230V 50-60HZ	1
8	PERALATAN GEL EXICISION INSTRUMENT	1
9	PERALATAN BIOLASTIC PDS SYSTEM	1
10	FRONTIER NIR ACCY + FRONTIER NIRA ROT. SAMPLE HOLDER AC + SPEC-TRUM QUANT PLUS - EQUIPMENT NUMBER : 11130164	1
11	ROTARY EVAPORATOR	1
12	PULSE FIELD GEL ELECTROPHORESIS - MAKMAL MOLEKULAR	1
13	AUTOMATES SLIDE STAINER - MAKMAL HISTOPATOLOGI	1
14	ALL IN ONE NANO VOLUME EV/VIS SPECTROPHOMETER - MAKMAL MOLEKULAR	1
15	LABORATORY MICROSCOPE SET WITH MICROSCOPY CAMERA SYSTEM - MAKMAL PENGAJARAN 1 FPV	1
16	TISSUE EMBEMDING SYSTEM - MAKMAL PENGAJARAN 1	1
17	FLOOR STAND REFRIGERATED CENTRIFUGE - MAKMAL VIROLOGI	1
18	HIGH SPEED BENCTOP CENTRIFUGE - MAKMAL BIOLOGI MOLEKUL	1
19	ULTRASONIC WASHER - MAKMAL BAKTERIOLOGI	1
20	SOXHLET EXTRACTION SYSTEM FLOOR STAND FREESE DRYER 12L SYATEM, ALL IN ONE NANO VOLUME UV/VIS SPECTROPHOTOMETER- MAK- MAL MOLEKUL	1
21	PORTABLE ULTRASOUND SCANNER - MAKMAL VIROLOGI	1
22	VACUUM GEL DRYING SYSTEM 230V ,S/N:30046885 , INCLUDE VP200(S/N:39587502) - MAKMAL MOLEKULAR	1
23	THERMOMIXER 500 WITH 3 TYPES OF BLOCKS, S/N:BYQ60084_214 - MAK- MAL MOLEKULAR	1
24	UV500 CROSSLINKER ,S/N:20804184 - MAKMAL MOLEKULAR	1
25	TUBE ROTATOR ,S/N:04888 & 04874 - MAKMAL MOLEKULAR	2
26	PRECISION BALANCE - MAKMAL VIROLOGI	2
27	AUTOClave MACHINE	2
28	COMPLETE SET OF GENE TRANSFECTION SYSTEM, S/N: 617BR110501 - MAKMAL MOLEKULAR	1
29	COMPUTER AIDED INTEGRATED VISUAL OPTICAL SYSTEM FOR SPERM ANALYZER - MAKMAL VIROLOGI	1
30	THERMAL CYCLER - MAKMAL MOLEKULAR	1
31	WATERBATH 45L - MAKMAL MOLEKULAR	2
32	WATER STILLER ,S/N:R000101746 - MAKMAL PATALOGI KIMIA	1
33	SONOTRON CORONA DISCHARGE BEAM APPARATUS - KLINIK FPV	1
34	RAPID TEST DISPENSER AND CUTTER SYSTEM - MAKMAL PENGAJARAN 2	1

NO.	LABORATORY EQUIPMENT	QUANTITY
35	FLAKE ICE MACHINE, BRAND:SCOTSMAN AF124-AS , S/N:6513977-00 - MAKMAL VIROLOGI	1
36	ANALYTICAL WEIGHING BALANCE ,BRAND:SARTORIUS BSA 224S-CW - MAKMAL VIROLOGY	2
37	CONCENTRATOR PLUS ,COMPLETE SYSTEM WITH INTEGRATED DIAPH-GRAM VACUUM PUMP, WITH ROTOR F-45-48-11	1
38	MS WAVER SHAKER WITH FLAT NON- SLIP RUBBER MAT ,110/220V MOTION:ORBITAL AND NUTATION , MAJOR SCIENCE , USA	2
39	SEMI DRY MIDI, 20 X 20 SYSTEM , MAJOR SCIENCE ,USA	1
40	COMPLETE DENATURING GRADIENT GEL ELECTROPHORESIS SYSTEM , MAJOR SCIENCE USA	1
41	MASTERCYCLER NEXUS GRADIENT 230V/50-60HZ WITH GB PLUG EPPENDORF ,GERMANY	1
42	PERALATAN LIQUID CHROMATOGRAPHY QUADRIPOLE TIME-OF-FLIGHT (Q-TOF) MASS SPECTROMETRY (LCMS/MS) - MAKMAL FPV	1
43	MINIMAL INVASIVE MOBILE ENDOSCOPIC SETS - KLINIK FPV	1
44	COMPLETE PORTABLE X-RAY SYSTEM - KLINIK FPV	1
45	FULLY AUTOMATED BRIGHTFIELD DIGITAL SLIDE - MAKMAL HISTOPATOLOGI	1
46	PERALATAN BENCHTOP FLOW CYTOMETRY SYSTEM - MAKMAL VIROLOGY	1
47	AUTOMATED SYSTEM FOR ANTIMICROBIAL - MAKMAL MICROBIOLOGI	1
48	MULTIMODE MICROPLATE READER FLUOSTAR OMEGA BRAND:BMG, S/N:415-2098 - MAKMAL CLINICAL PATHOLOGY	1
49	ULTRABRIGHT LED TRANSILLUMINAT ,C/N:LB-16, BRAND:MAESTROGEN , S/N:425005166056 - MAKMAL RNOMIC	1
50	48 WELL DOT BLOT/SLOT BLOT SYSTEM MICROFILTRATION & SCREENING SYSTEM - RNOMIC LAB	1
51	INCUBATOR - METEIOLOGI LAB	1
52	MULTI-PURPOSE BENCHTOP REFRIGERATED CENTRIFUGE - MAKMAL RNOMIC	1
53	DISINFECTING CLINICAL CRYOSTAT - MAKMAL HISTOPATHOLOGY	1
54	ULTRACENTRIFUGE , BRAND:HITACHI, MODEL:KOKI CP80NX, JAPAN - MAKMAL ZOONOTIC	1
55	TABLE TOP CENTRIFUGE - MAKMAL BACTERIOLOGI	1
56	PORTABLE SAFETY BUNSEN BURNER - MAKMAL RNOMIC	3
57	BENCHTOP MICROCENTRIFUGE - MAKMAL RNOMIC	3
58	ANAEROBIC INCUBATOR - MAKMAL BACTERIOLOGI	1
59	TERUMO TERUFUSION SERIES 7 SYRINGE PUMP DRIVER (TE*SS700N2) - KLINIK VETERINAR	1
60	TERUMO TERUFUSION SERIES 7 SYRINGE PUMP DRIVER (TE*SS700N2) - KLINIK VETERINAR	1
61	METABOLIC CRATES - LADANG BACHOK	12
62	ASPIRATION SYSTEM FOR SALE DISPOSABLE OF LIQUIDS - RNOMIS LAB	1
63	GEIGER COUNTER - RNOMIC LAB	1

NO.	LABORATORY EQUIPMENT	QUANTITY
64	TERUMO TERUFUSION SERIES 7 SYRINGE PUMP DRIVER (TE*SS700N2) - KLINIK VETERINAR	1
65	TERUMO TERUFUSION SERIES 7 SYRINGE PUMP DRIVER (TE*SS700N2) - KLINIK VETERINAR	1
66	METABOLIC CRATES - LADANG BACHOK	12
67	ASPIRATION SYSTEM FOR SALE DISPOSABLE OF LIQUIDS - RNOMIS LAB	1
68	GEIGER COUNTER - RNOMIC LAB	1
69	AGAROSE ELECTROPHORESIS SYSTEM SET WITH POWER SUPPLIES RNOMIC LAB	1
70	ELECTROPHORESIS BLOTTING SYSTEM AND POWER SUPPLIES - RNOMIC LAB	1
71	SOMATIC CELL COUNTER - DEWAN KULIAH 19(LAMA) , FPV	1
72	-20C' REFRIGERATOR -MAKMAL AKUATIK, FPV	2
73	ULTRALOW FREEZER (-80C') - MAKMAL ZOONOTIK, FPV	1
74	ANALYTICAL BALANCE - MAKMAL AKUATIK, FPV	2
75	PRECISION BALANCE - MAKMAL AKUATIK, FPV	2
76	MULTIPIPETTE - MAKMAL MOLEKULAR, FPV	3
77	INCUBATOR IN-110, N/I: 0416.0882 / S/N: 0416.0880	2
78	REFRIGERATOR , SAMSUNG - BILIK AMBULATORI, FPV	2
79	4C' REFRIGERATOR - MAKMAL RNOMIC, FPV	4
80	BENCHTOP INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETER , NO SIRI: MY 17160010	1
81	RANDOX RX DAYTONA PLUS W/ISE, S/N: 7241-00395 - MAKMAL KLINIKAL PANTOLOGI, FPV	1
82	DARK FIELD MICROSCOPE WITH CAMERA SYSTEM - MAKMAL ZOONOTIK, FPV	1
83	MILKSCAN MARS / ALAT MENGANALISISA KOMPOSISI DAN ADULTERASI SUSU - MAKMAL FPV	1
84	SOFTWARE 2D GEL ANALYSIS - FPV	1
85	IRS POS SYSTEM SOFTWARE RETAIL SERVER - KLINIK FPV	1
86	ASHING FURNACE	1
87	FEED SAMPLING GRINDER	1
88	ORGANS PLASTINATION SET	1
89	BOMB CALORIMETER - IKA C200	1
90	THERMO FISHER SLIDE WARMER	1
91	AUTOClave COMPLETE WITH 3 PIECES STAINLESS STEEL WIRE BASKETS	1
92	CLASS II TYPE A2 BIOLOGICAL SAFETY CABINET	1
93	PRECISION INCUBATOR	1
94	UNIVERSAL OVEN WITH BLOWER	1
95	ANALYTICAL BALANCE	1
96	VETERINARY ANAESTHESIA CART	1
97	INFUSION PUMP UNTUK HAIWAN FPV	3
98	DEHUMIDIFIER WITH ELECTRIC DISPLAY - FPV	3

NO.	LABORATORY EQUIPMENT	QUANTITY
99	OMNI PCR KIT 220V , BRAND:OMNI INTERNATIONAL, S/N:TH22377 - MAK-MAL VIROLOGI	1
100	REPLACEMENT LASER KIT	1
101	REPLACEMENT SPAREPARTS FOR FULLY AUTOMATED BRIGHTFIELD DIGITAL SLIDE - REFER	1
102	REPLACEMENT PART OF CO2 SENSOR ROAD (UMK/TMB/BFPV/H/LENG/SEL/12/51-51/51- CO2 AIR JACKETED INCUBATOR)	1
103	WATER BATH	1
104	PARAFFIN DISPENSER WITH INTERGRATED HOT PLATE	1
105	STOMACHER	1
106	BIOLOGICAL SAFETY CABANET CLASS 11	1
107	BINOCULAR STEREOMICROSCOPE- PADANG TEMBAK	5
108	INCUBATOR FOR BACTERIOLOGY	1
109	TRINOCULAR STEREOMICROSCOPE	1
110	MULTIPURPOSE LIFT TABLE	1
111	LAMINAR FLOW	1
112	AUTOCLAVE	1
113	UV CABINET DNA/RNA	1
114	DNA/ RNA ELECTROPHORESIS SET WITH POWER PAC	1
115	MILLER LARYNGOSCOPE	2
116	MCLNTOSH LARYNGOSCOPE	4
117	AUTOMATIC FLAKE ICE MAKER	1
118	CRITICAL CARE FLUFFY	1
119	OVA-EASY 190 ADVANCE INCUBATOR	1
120	ANESTHESIS VENTILATOR	1
121	DRILL ATTACHMENT 45 CANNULATED WITH JACOBS CHUCK FOREPS	1
122	BIOLOGICAL MICROSCOPE	46
123	WATER BATH DIGITAL	1
124	GLASS DOOR CHILLER - FPV	2
125	NIKON D90	1
126	DIGITAL HD VIDEO CAMNERA RECORDER SONY FX-1000 SN:S01- 0839018	1
127	KAMERA MIKROSKOP	1
128	MODEL TULANG	1
129	LEICA TP1020 TISSUE PROCESSOR	1
130	RM2245 SEMI MOTORISED ROTARY MICROTOME	1
131	2 DOOR DISPLAY CHILLER HEATER GLASS DOOR, B/SYSTEM, GOLD	1
132	ARD CV382 DP LOCK FREEZER UPRIGHT ARDO CV382 WITH DIGITAL DI	1
133	AUTOCLAVE	1
134	INCUBATOR	1
135	DIGITAL WATER BATH	1
136	AUTOPSY DISSECTING SET	1
137	TABLE TOP CENTRIFUGE	1
138	OVEN	1

NO.	LABORATORY EQUIPMENT	QUANTITY
139	BIOCHEMISTRY ANALYZER	1
140	MICROPLATE READER	1
141	SHAKER INCUBATER	1
142	BIOLOGIKAL MIKROSKOP	1
143	COLD PLATE	1
144	3.0 HP (30,000 BTU/HR) WALL MOUNTED C/W D.O.L STARTER - AQUATIC LAB, FPV	8
145	LED SMART TV 3D 55'	1
146	TABLE TOP BONE SAW MACHINE	1
147	PHARMACEUTICAL REFRIGERATOR	1
148	GLASS DOOR CHILLER - FPV	1
149	HAMOGENISER - MAKMAL FPV	1
150	MICROPIPPET VOLUME 5ML (1 SET/6 UNIT)	1
151	WESTERN BLOTTING- MINI -P TET COMP SYS 10W	1
152	EXAMINATION SURGICAL LIGHT (LOW RANGE)	10
153	COLONY COUNTER	1
154	HIGH SPEED THERMA SHAKER	1
155	X-RAY (KLINIK FPV)	1
156	THERMAL IMAGER FOR VETERINARY USE	1
157	VETERINARY SURGICAL OPERATING TABLE (FLAT TOP)	1
158	VETERINARY SURGICAL OPERATING TABLE (V TOP)	1
159	DIGITAL MACROVIEW VETERINARY OTOSCOPE	1
160	PANAOPIC OPHTHALMOSCOPE	1
161	HOT AIR OVEN	1
162	MICROBIOLOGICAL INCUBATOR	1
163	TABLE TOP CENTRIFUGE	1
164	SONICATOR	1
165	ENTEROVIDEOSCOPE - KLINIK FPV	1
166	VETERINARY POST MORTEM TOOL SET A	3
167	TOP LABORATORY BENCH	2
168	HEATING PAD 440 X 680MM WITH CONTROL UNIT	2
169	OPHTALMIC SURGICAL KIT	1
170	TONOMETERS	1
171	SURGICAL SUCTION PUMP	1
172	EMASCULATOR FOR HOUSES,CUT&CRUSH WITH RATCHET PONY AND HORSE SIZE	2
173	ULTRA LOW TEMPERATURE FREEZER	1
174	ORBITAL SHAKER	1
175	CO2 AIR JACKETED INCUBATOR	1
176	WATER PURIFICATION SYSTEM	1
177	BIOLOGICAL SAFETY CABINET CLASS 11 4 FEET WIDE	1
178	CRYOGENIC WORK & ARTIFICAL INSEMINATION	1
179	ORTHOPEDIC KITS	4

NO.	LABORATORY EQUIPMENT	QUANTITY
181	VETERINARY HIGH SPEED DENTAL UNIT SMALL ANIMAL DENTISTRY	1
182	EQUINE POWER FLOAT - KLINIK FPV	1
183	CYCTO NEPHRO VIDEOSCOPE- KLINIK FPV	1
184	NANOPHOTOMETER	1
185	HIGH QUALITY COMPOUND FLUORESCENT MICROSCOPE	1
186	STREOMICROSCOPE SYSTEM MODEL SZ16	2
187	HIGH QUALITY PHASE CONTRAST INVERTED MICROSCOPE MODEL IX51	1
188	REFRIGERATED MULTIPURPOSE CENTRIFUGE	1
189	REAL TIME PCR DETECTION SYSTEM	1
190	350 BHS SIMULATOR MANNIKIN	1
191	MICROPLATE READER	1
192	EXAMINATION SURGICAL LIGHT (MEDIUM RANGE)	2
193	EXAMINATION SURGICAL LIGHT (HIGH RANGE)	1
194	404 IV TRAINER	4
195	CRYOSCOPIC OSMOMETER	1
196	BLOOD BIOCHEMISTRY ANALYZER	1
197	HAMATOLOGY ANALYZER (COMPLETE BLOOD COUNT)	1
198	PORTABLE ANALYZER	1
199	PORTABLE BLOOD GAS ANALYZER FOR VETERINARY USE	1
200	513 VETERINARY PULSE OXIMETER	3
201	VETERINAR ELECTROCARDIOGRAM (ECG)	2
202	VETERINARY SCRUB SINK (DOUBLE ON CASTER)	2
203	FT-IR SPECTROMETER SYSTEM	1
204	COLOUR DOPPLER ULTRASOUND SYSTEM	1
205	THERMAL CYCLER	1
206	GEL DOC IMAGING SYSTEM	1
207	ENDOSCOPIC SYSTEM & BRONCHOIDEOSCOPE	1
208	LAPAROSCOPIC SYSTEM & GASTROVIDEOSCOPE (SLIM TYPE)	1
209	SMALL ANIMAL INDUCTION CHAMBERS	1
210	ELECTROSURGICAL UNIT	1
211	SMALL ANAESTHETIC MACHINE (VAPORIZER SEVOFLURANCE)	2
212	SMALL ANAESTHETIC MACHINE (VAPORIZER ISOFLURANCE)	2
213	PORTABLE DIGITAL ULTRASOUND	1
214	AUTOMATED HEMATOLOGY ANALYZER	1
215	ECER-COE LIVESTOCK INDUSTRIY MOISTURE ANALYZER	1
216	PROTEIN ANALYZER (GERHADT KJELDATHERM, GERHARDT TURBOSOG, GERHADHT VAP-30)	1
217	FIBRE ANALYZER (GERHARDT FBS)	1

“Entrepreneurship is Our Thrust”

Relevant | Respected | Referred

Faculty of Bioengineering and Technology

Universiti Malaysia Kelantan

Jeli Campus

17600 Jeli

KELANTAN DARUL NAIM