



FAKULTI TEKNOLOGI KEJURUTERAAN KELAUTAN



Electronics and Instrumentation Laboratory



LABORATORY STAFF



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LABORATORY BUILDING





LIST OF LABORATORIES

- Graduate Physics Laboratory
- Applied Physics Laboratory
- Radiation Laboratory
- Instrumentation & Control Laboratory
- Advanced Materials Laboratory
- Energy Technology Laboratory
- Microprocessor & Microcomputer Laboratory
- Electrical & Electronics Laboratory



Graduate Physics Laboratory

Conduct practical courses such as Final Year Projects, as well as research in the field of Biomass, Solar and Plasma for PITA and Postgraduate students.



Equipment



SIMULTANEOUS THERMAL ANALYSIS (STA)



LT OVEN



LT FURNACE



GRINDER

- PCT
- AN INERT ATMOSPHERE GLOVE BOX
- ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY
- VACUUM OVEN
- 2 POINT PROBE
- 4 POINT PROBE
- PHYSICAL VAPOUR DEPOSITION (PVD)
- BALL MILLING
- OVEN



Applied Physics Laboratory

Conduct practical courses such as Electronic Equipment Design (RPE) and Final Year Projects, as well as research in the field of Biomass, Solar and Plasma for PITA and Postgraduate students.



Equipment



OSCILLOSCOPE



MULTIMETER



POWER ANALYZER



ELECTROMAGNET

Radiation Laboratory

Conduct sample characterization using X-ray
Diffractometer equipment





X-RAY DIFFRACTOMETER

Instrumentation & Control Laboratory

Conduct practical courses such as Electronic Equipment Design (RPE) and Final Year Scientific Projects, as well as research in the field of Electronics for PITA and Postgraduate students.





METALLOGRAFI SET



MULTIMETER

- UV – VIS SPECTROPHOTOMETER
- COMPUTER CONTROLLED DRILLING MACHINE
- FTIR



GRINDER AND POLISHER

Advanced Materials Laboratory

Conducting research in the field of Material Science, Biomass, Solar, Plasma, Battery, Hydrogen for PITA and Postgraduate students



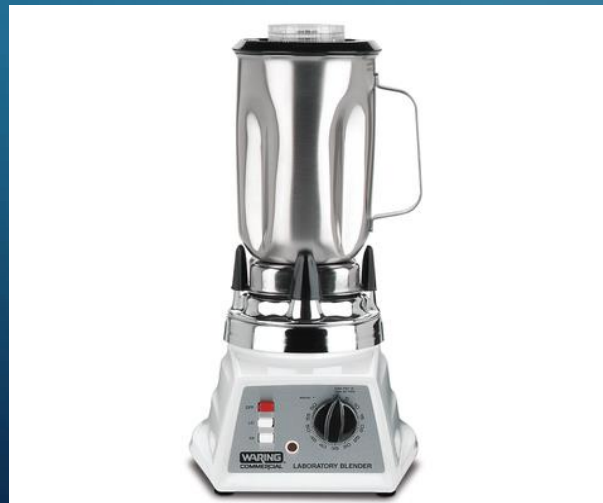
Equipment



ULTRASONIC WATERBATH



DOUBLE WALL OVEN



INDUSTRIAL BLENDER



ANALYTICAL BALANCE

Microprocessor & Microcomputer Laboratory

Conduct practical courses on Internet Devices, Basic Programming for Technologists, Computing Techniques, Power Electronics and Analog Electronics using software such as MatLab, PSpice, LTSpice, Multisim, AutoCAD and Protel



Equipment



PIC TRAINING KIT



KOMPUTER DEKSTOP



MULTIMETER



PLC TRAINING KIT



Electrical & Electronics Laboratory

Conduct practical courses such as Analog Electronics, Digital Electronics, Circuit Theory and Computing Techniques



Equipment



ELECTRIC BASIC TRAINING KIT



MULTIMETER



OSCILLOSCOPE

AKTIVITY/PROGRAM



Training - Computer Controlled
Drilling Machine
16 -18 May 2023



Training - Simultaneous Thermal Analysis
20 - 22 June 2022



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PENERAJU TEKNOLOGI