

UMP LAB PROFILE



FTKA

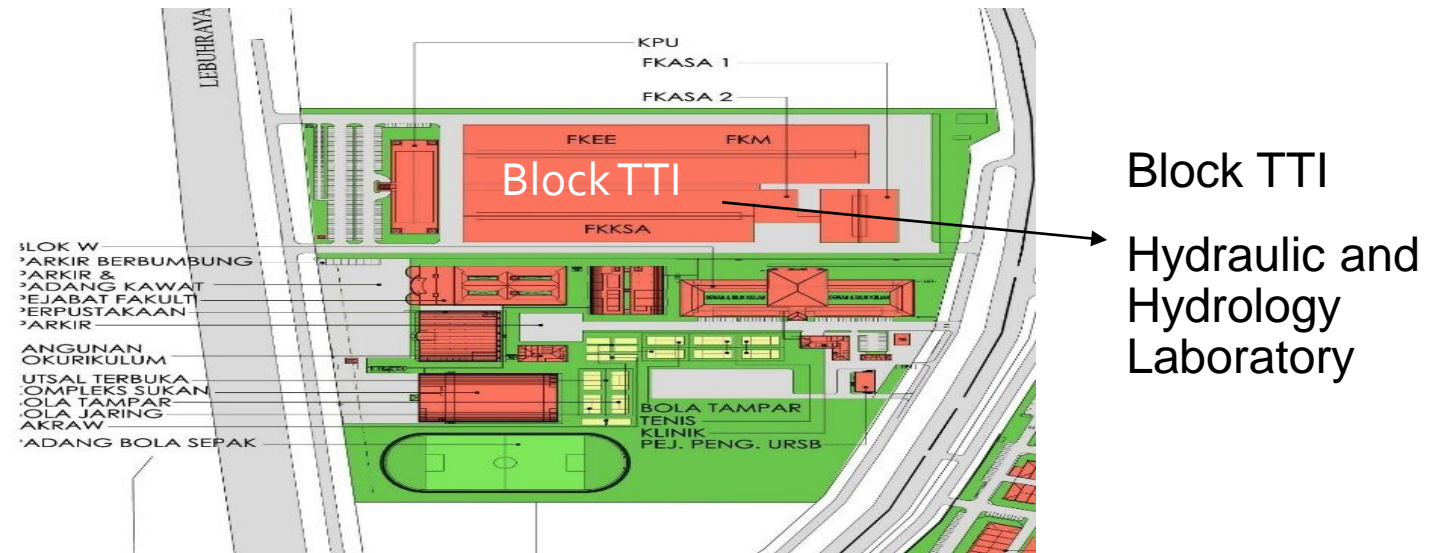
Block TTI

Hydraulic
and
Hydrology
Lab

May 2021

BASIC INFORMATION

Location:
Block TTI



Person in charge:

No	Name	Phone and email
1	Jasrul Izwan bin Jaafar Sidek	+60129843437 jasrul@ump.edu.my
2	Kamaria bt Mat Peah	+60199865532 kamaria@ump.edu.my
3	Syed Najmuddin bin Syed Nordin	+60189094940 najmuddin@ump.edu.my

BASIC INFORMATION

Location:
Hydraulic and Hydrology Lab

No	Item	Remarks
1	Area	56' x 30 '
2	Supply	1 phase & 3 phase
3	Communication point	3 nos network, 1 nos phone
4	Gases	-
5	AV System	1 nos Lecturer PC 1 nos LCD Projector 1 nos Projector Screen (Motorized) 1 set PA System
6	Store	Yes (12' x 10')
7	Discussion Room	Yes
8	Air Conditioning	YES (Split / centralized)
9	Others (utilities)	Steam

LIST OF EQUIPMENTS

Nature of Equipments

- This lab consist of research , teaching & learning equipments for Fluid Mechanics, Hydraulics & Hydrology for undergraduate & postgraduate students.
- All equipment are from Armfield,TQ,Dencan And Gunt

No	Item	Quantity	usage
1	Glass Sided Tilting Flume/ Open Flow Channel-Armfield	1	T&L & R&D
2	Glasss Sided Tilting Flume/Open Channel-TQ	1	T&L
3	Pipe Surge & Water Hammer – Armfield	1	T&L
4	Losses In Pipe Apparatus-TQ	1	T&L
5	Flow Over Weir Apparatus-TQ	1	T&L
6	Series & Parallel Pump-Gunt	1	T&L
7	Storm Hydrograph-TQ	1	T&L

T&L : teaching and learning

R&D : research and development

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8	Impact Of Jet-Armfield	1	T&L
9	Bernoulli's Principle Demonstrator-TQ	1	T&L
10	Hydrostatic Pressure-TQ	1	T&L
11	Dead Weight Pressure Gauge Calibrator-Armfield	1	T&L
12	Electronic Balance	1	T&L
13	BOAT 5HP	1	T&L
14	BOAT-EXPLORER	1	T&L
15	Losses in Piping System – DENCAN	1	T&L

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No	Item	Quantity	usage
16	Series & Parallel Pump –Armfield	1	T&L
17	Hydrostatics & Properties Of Fluid Apparatus-TQ	1	T&L
18	Water Leak Detector	3	T&L
19	Leak Noise Correlator	3	T&L
20	Pipe & Cable Locator	3	T&L

T&L : teaching and learning

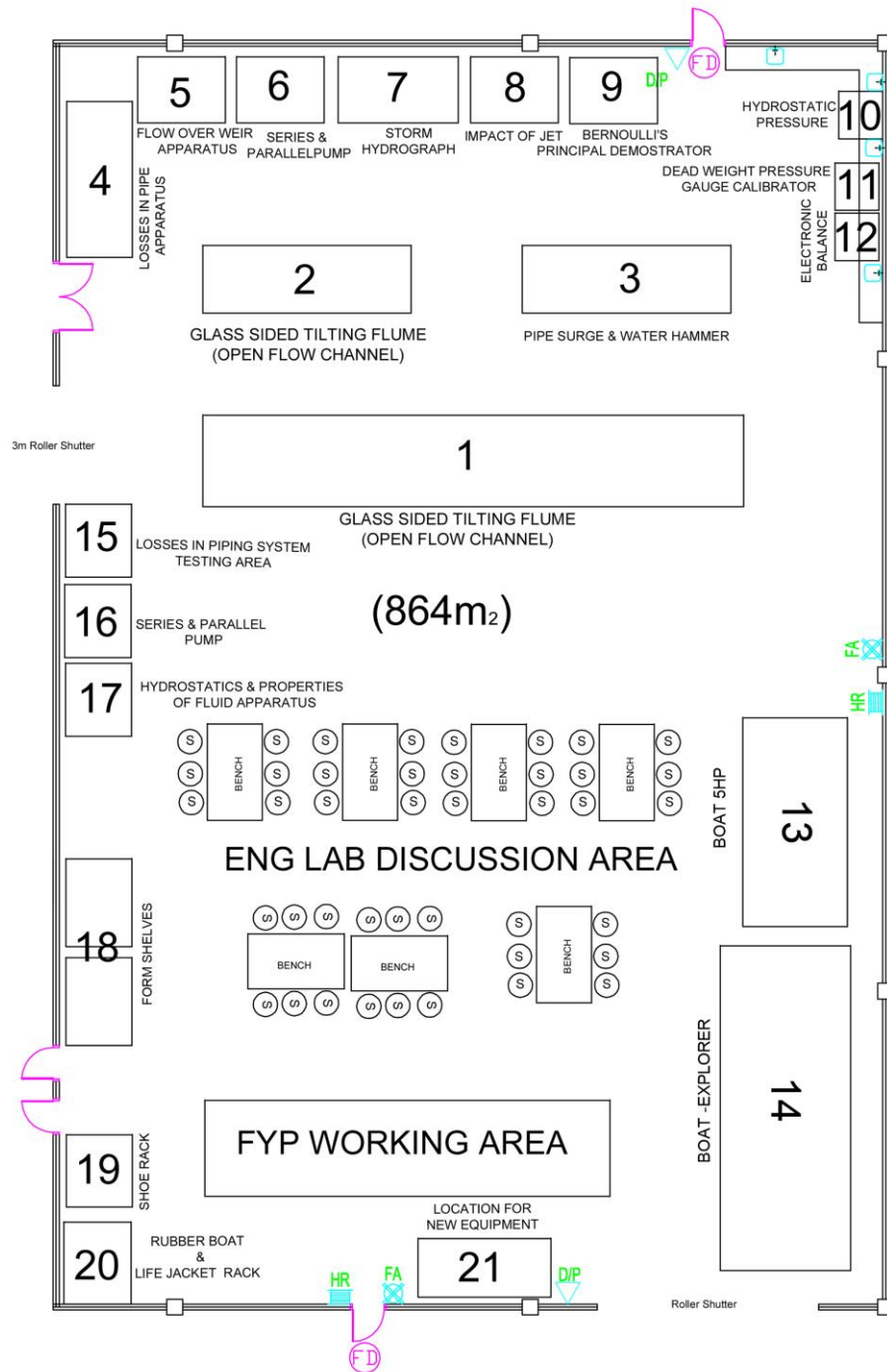
R&D : research and development

LIST OF SERVICES

Rental



LAB LAYOUT



ACTIVITIES

Teaching and Learning



ACTIVITIES

Research, First Year Project & site visit

