

FTKA LABORATORY PROFILE



FTKA

BLOCK C

ENVIRONMENTAL
LABORATORY

BASIC INFORMATION

Location:
Block C



Environmental Laboratory

No	Name	Phone and email
1	Norazimah binti Abdul Aziz	Office: 09-5493154 Email : norazimah@ump.edu.my
2	Mohd Qari bin Mohd Nor	Office: - Email : qari@ump.edu.my
3	Mohd Shuhaimi bin Embong	Office: - Email : asmie@ump.edu.my

LIST OF EQUIPMENTS

Nature of Equipments

- This lab consist of environmental laboratory equipment.
- Experiments are related to the environmental testings.

No	Item	Quantity	usage
1	DISSOLVE OXYGEN METER	3	T&L & R&D
2	INCUBATOR	3	T&L & R&D
3	PH METER	3	T&L & R&D
4	VACUUM PUMP	3	T&L & R&D
5	DRYING OVEN	5	T&L & R&D
6	ANALYTICAL BALANCE	4	T&L & R&D
7	JAR TEST / FLOCCULATOR	3	T&L & R&D
8	TURBIDIMETER	3	T&L & R&D
9	U/V VIS SPECTROPHOTOMETER	3	T&L & R&D
10	COD REACTOR	3	T&L & R&D
11	WATER ANALYSIS EQUIPMENT	1	T&L & R&D
12	LAMINAR FLOW	1	T&L & R&D

T&L : teaching and learning

R&D : research and development

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No	Item	Quantity	usage
13	WATER BATH	1	T&L & R&D
14	DUCTLESS FUMEHOOD	1	T&L & R&D
15	FUME HOOD	1	T&L & R&D
16	ATOMIC ABSORPTION SPECTROPHOTOMETRY HYDRADE SYSTEM	1	T&L & R&D
17	TOTAL ORGANIC CARBON ANALYZER	2	T&L & R&D
18	FURNACE	1	T&L & R&D
19	CHILLER	1	T&L & R&D
20	CENTRIFUGE	1	T&L & R&D
21	SHAKER	1	T&L & R&D
22	HANDHELD MULTIPARAMETER	1	T&L & R&D

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No	Item	Quantity	usage
23	PORTABLE DO METER	1	T&L & R&D
24	PORTABLE PH METER	1	T&L & R&D
25	COLORIMETER	1	T&L & R&D
26	PORTABLE AIR SAMPLER	1	T&L & R&D
27	GAS DETECTOR	1	T&L & R&D

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LIST OF SERVICES

No	Testing
	Water and waste water analysis testing
	<ol style="list-style-type: none">1. Total Suspended Solid (TSS)2. Chemical Oxygen Demand (COD)3. Biochemical Oxygen Demand (BOD)4. Turbidity5. E-Coli6. Total Coliform7. Ph8. Oil & grease
	*Remarks: All testing are without ISO Certification.

LAB LAYOUT



WATER AND WASTE WATER TESTING

JAR TEST & TURBIDITY



BIOCHEMICAL OXYGEN DEMAND (BOD)



TOTAL SUSPENDED SOLID (TSS)



CHEMICAL OXYGEN DEMAND (COD)



TOTAL COLIFORM AND E. COLI TESTING



OIL & GREASE



LAB PICTURES



DISSOLVED OXYGEN METER



PH METER



DRYING OVEN



JAR TEST / FLOCCULATOR



TURBIDIMETER



WATER ANALYSIS EQUIPMENT



COD REACTOR



U/V VIS SPECTROPHOTOMETER



LAMINAR FLOW



ANALYTICAL BALANCE



DUCTLESS FUMEHOOD



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PORTABLE DO METER



PORTABLE PH METER



COLORIMETER



GAS DETECTOR



PORTABLE AIR SAMPLER



ATOMIC ABSORPTION SPECTROSCOPY



TOTAL ORGANIC CARBON ANALYZER