

FTKA LABORATORY PROFILE

FTKA

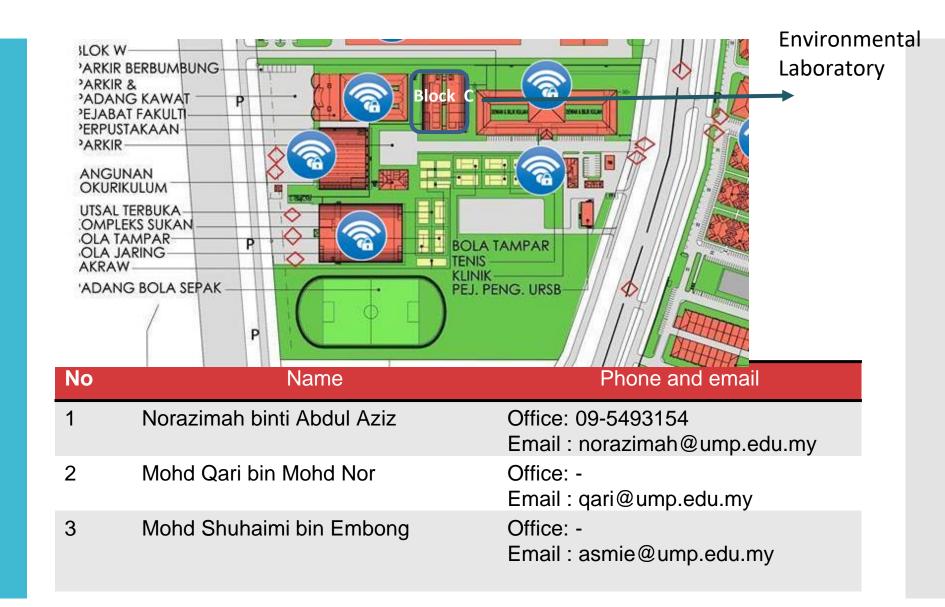
BLOCK C

ENVIRONMENTAL LABORATORY

BASIC

INFORMATION

Location: Block C



LIST OF EQUIPMENTS

Nature of Equipments

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

| No | ltem | Quantit | usage |
|----|---------------------------|---------|-----------|
| | | у | |
| 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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|----|--|----------|-----------|
| 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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|----|----------------------|----------|-----------|
| 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

TestingWater and waste water analysis testing1. Total Suspended Solid (TSS)2. Chemical Oxygen Demand (COD)3. Biochemical Oxygen Demand (BOD)

- 4. Turbidity
- 5. E-Coli
- 6. Total Coliform
- 7. Ph

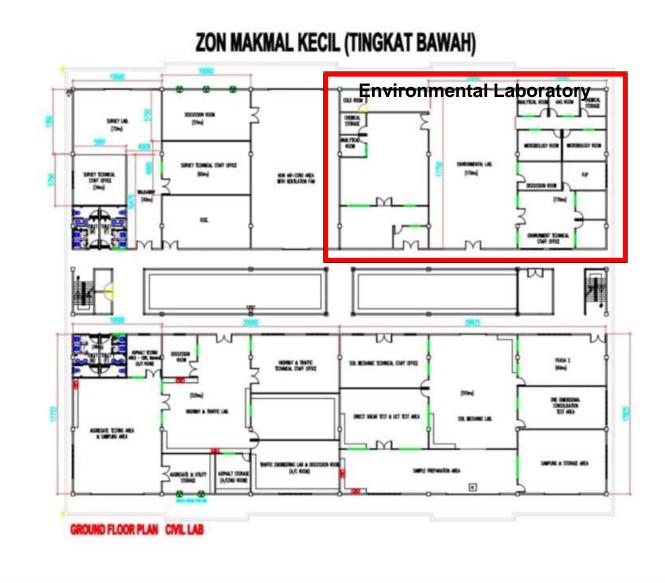
No

8. Oil & grease

*Remarks: All testing are without ISO Certification.

LAB

LAYOUT



WATER AND WASTE WATER TESTING







BIOCHEMICAL OXYGEN DEMAND (BOD)







LAB

PICTURES



DISSOLVED OXYGEN METER

PH METER



DRYING OVEN

JAR TEST / FLOCCULATOR



TURBIDIMETER WA

WATER ANALYSIS EQUIPMENT COD REACTOR



U/V VIS SPECTROPHOTOMETER



LAMINAR FLOW

ANALYTICAL BALANCE



DUCTLESS FUMEHOOD



FURNACE



LAB PICTURES







CENTRIFUGE



SHAKER



HANDHELD MULTIPARAMETER





PORTABLE DO METER PORTABLE PH METER



COLORIMETER



GAS DETECTOR



PORTABLE AIR SAMPLER



ATOMIC ABSORPTION SPECTROSCOPY TOTAL ORGANIC CARBON ANALYZER