




# ENVIRONMENTAL LAB 1

**NAME OF PIC : ZAHARUDDIN ABDUL RAHMAN**

**POST: ASSISTANT SCIENCE OFFICER**

 : 3149

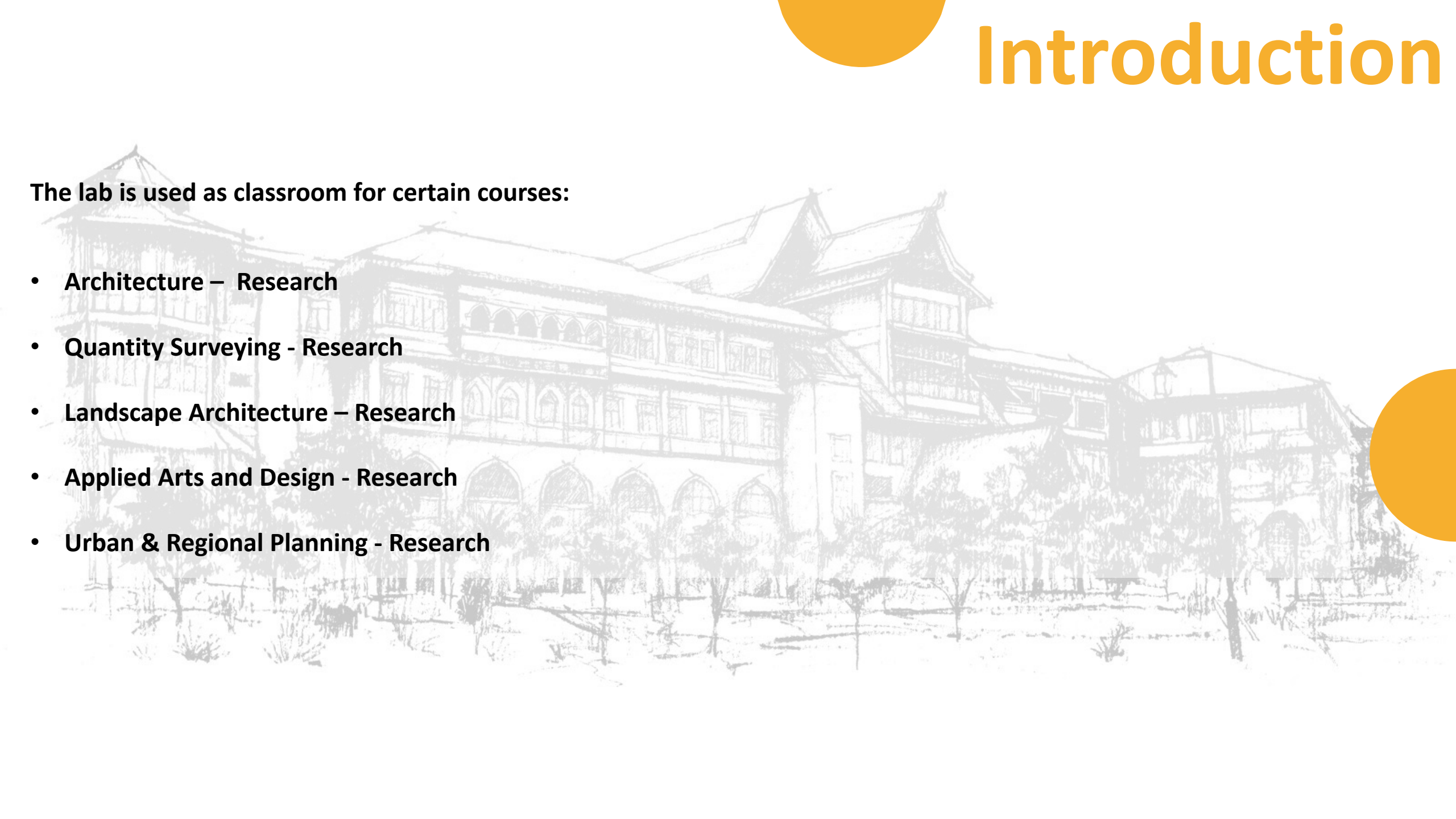
**Email: [zaharuddin@iium.edu.my](mailto:zaharuddin@iium.edu.my)**



# Introduction



The lab is used as classroom for certain courses:

- **Architecture – Research**
- **Quantity Surveying - Research**
- **Landscape Architecture – Research**
- **Applied Arts and Design - Research**
- **Urban & Regional Planning - Research**


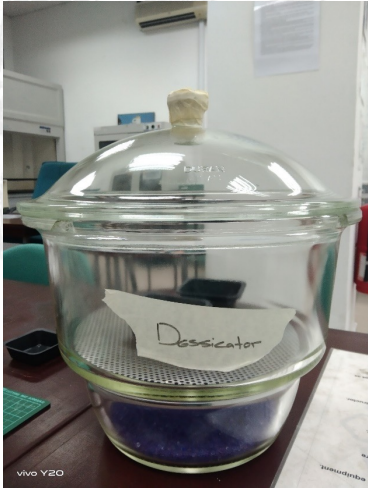




# List of equipment



| Equipment   |   | Purpose  |
|---|---|--|
| <p>Casella Cell Apex Pump<br/>3 Unit</p>                |   | <p>. The APEX range of Casella CEL sampling pumps has been developed to provide sampling capabilities between 5 millilitres and 5 litres per minute, suitable for a wide range of applications including solvent fumes, asbestos clearance and personal sampling of dusts.</p> |
| <p>7 hole Head – 9 Unit<br/>Cyclone Sample – 9 Unit</p> |  | <p>Air sampling is a process used to determine what airborne contaminants are present in an environment. It uses special instruments to detect contaminants such as gases, vapors, dusts and fibers in the air.</p>  |

# List of equipment



| Equipment                 |   | Purpose   |
|---------------------------|---|---|
| Analytical Balance 1 Unit |   | Analytical balances are highly sensitive lab instruments designed to accurately measure mass. Their readability has a range between 0.1mg - 0.01mg. Analytical balances have a draft shield or weighing chamber to prevent the very small samples from being affected by air currents |
| Desiccator – 1 Unit       |  | Desiccators are sealable enclosures containing desiccants used for preserving moisture-sensitive items such as cobalt chloride paper for another use. A common use for desiccators is <b>to protect chemicals which are hygroscopic or which react with water from humidity.</b>      |



# List of equipment

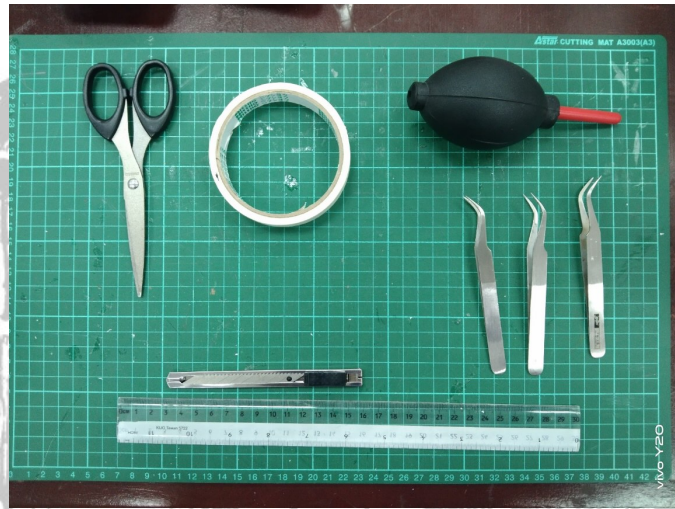
| Equipment                           |   | Purpose   |
|-------------------------------------|---|---|
| SKC Lealand Legacy Pump<br>4 Unit   |   | <ul style="list-style-type: none"><li>- Flow range: 5,000 to 15,000 ml/min</li><li>-Constant flow compensation provides constant flow within <math>\pm 5\%</math> for accurate air volume</li><li>-Built-in replaceable particulate trap to prevent contamination of sample</li><li>-Flow fault icon appears if flow is restricted or blocked</li><li>-Auto-restart is attempted after flow fault</li></ul> |
| Olympus BX51M<br>Microscop – 1 Unit |  | <p>This Olympus BX51M reflected light microscope is equipped with UM PLAN FL 5x, 10x, 20x, 50x, and 100x objectives</p>   |

# List of equipment

| Equipment                              |   | Purpose  |
|--|---|--|
| LAB Dryer – 1 unit                     |   | Laboratory dryers, ovens and washers are primarily used for the <b>washing and drying of glassware and plastic and for removing water or other solvents from chemical samples.</b>                   |
| ROSS Edamix GP 1800 Fume Hood – 1 unit |  | The purpose of a chemical fume hood is <b>to prevent the release of hazardous substances into the general laboratory space by controlling and then exhausting hazardous and/or odorous chemicals</b> |



# Basic tools for Environmental Lab 1

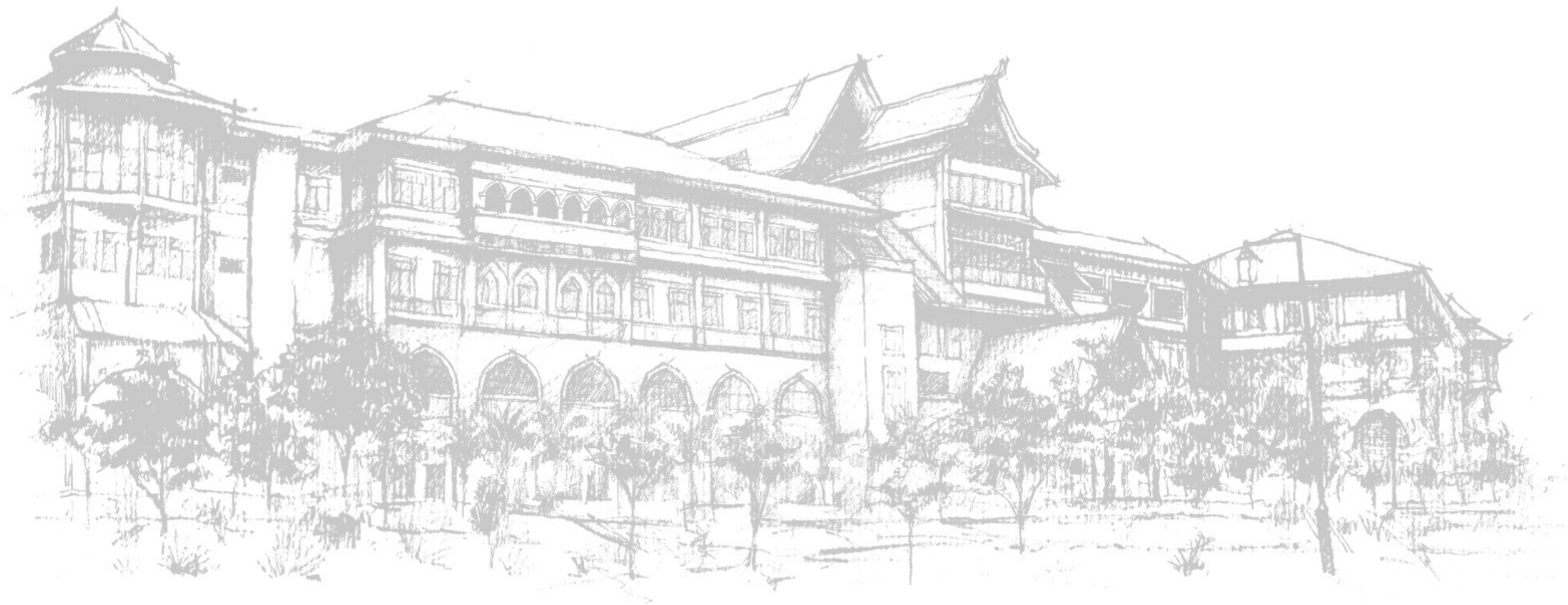




# Gallery

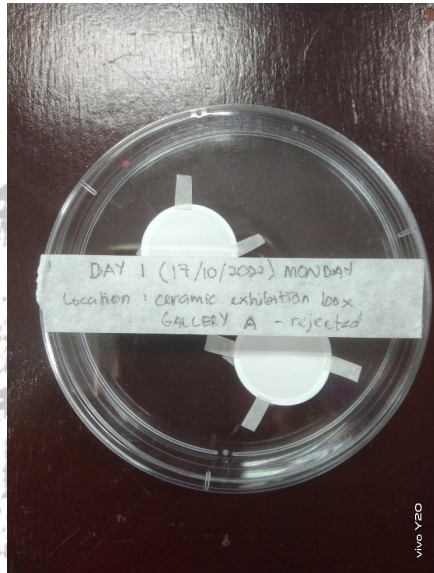








# Sample of product / work









# Opening Hours

## Monday to Thursday

8.00am – 1.00pm

2.00pm – 5.00pm

## Friday

8.00am – 12.15pm

2.45pm – 5.00pm

## Non-working hours

Kindly contact  
person in charge

