

UMP LAB PROFILE



FTEK

Taman TTI
(ET-L-18)

Material
Lab

Version
29th September 2016

BASIC INFORMATION

Location:
FTEK, TTI

Cluster:
BTM

No	Item	Status
1	Area	55' x 30'
2	Supply	1 phase & 3 phase
3	Communication point	NO
4	Gases	NO
5	AV System	1 nos LCD Projector 1 nos Projector Screen (Motorized) 1 set PA System
6	Store	NO
7	Bilik Persediaan Makmal	NO
8	Air Conditioning	YES (Split)
9	Others (utilities)	Centralized Air Compressed Point

LIST OF EQUIPMENTS

Nature of Equipments

- This lab is designed for material lab purpose.
- All experiments conducted here are more on properties and strength of material.
- Some other post graduate student also use this lab for their research station.

No	Item	Quantity	Status	Usage
1	Bending Stress Apparatus	1	OK	-
2	Rockwell Hardness Tester	2	OK	RnD
3	Brinell Hardness Tester	1	OK	-
4	Universal Testing Machine	2	OK	RnD
5	Buckling of Struts Apparatus	1	OK	-
6	Tool Maker Microscope	1	OK	-
7	Thin Cylinder Apparatus	1	X	-
8	Strain Gauge Apparatus	2	OK	-
9	Impact Testing Machine	1	OK	-

Equipment No.7 = still waiting a quotation from their sole agent.

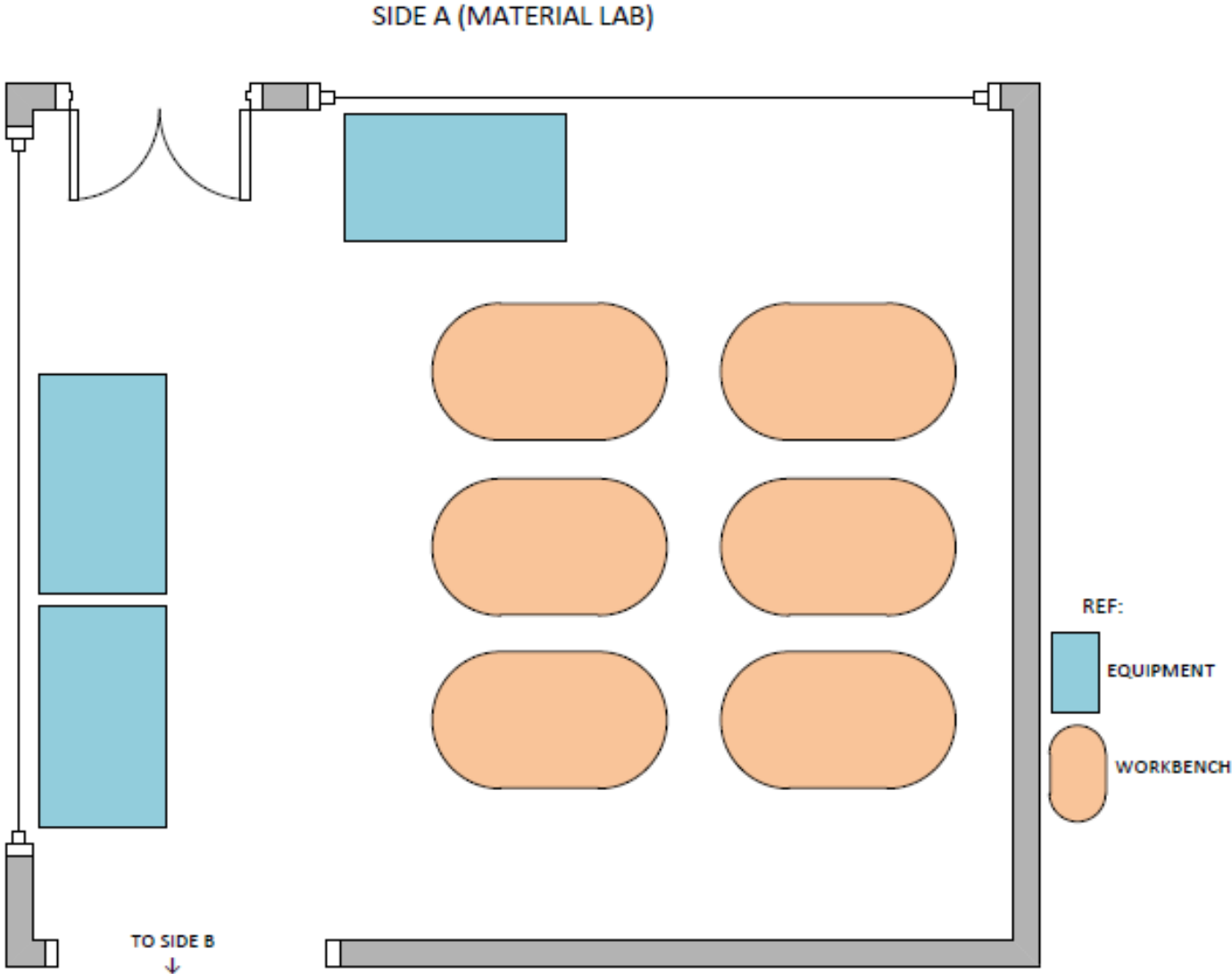
Almost all equipment is not used for P&P due to 1st & 2nd years of BTM students is taking their lab in UMP Pekan.

LIST OF EQUIPMENTS

No	Item	Quantity	Status	Usage
10	Surface Roughness Tester	1	OK	PnP
11	Metallurgical Microscope	2	OK	RnD
12	Inverted Microscope	1	OK	RnD
13	Thick Cylinder Apparatus	1	OK	-
14	Torsion Testing Machine	1	OK	-
15	Micro Vickers Hardness Tester	1	OK	RnD
16	Fatigue Testing Machine	1	OK	-
17	Automatic Hardness Tester	2	OK	-
18	Profile Projector	1	OK	-

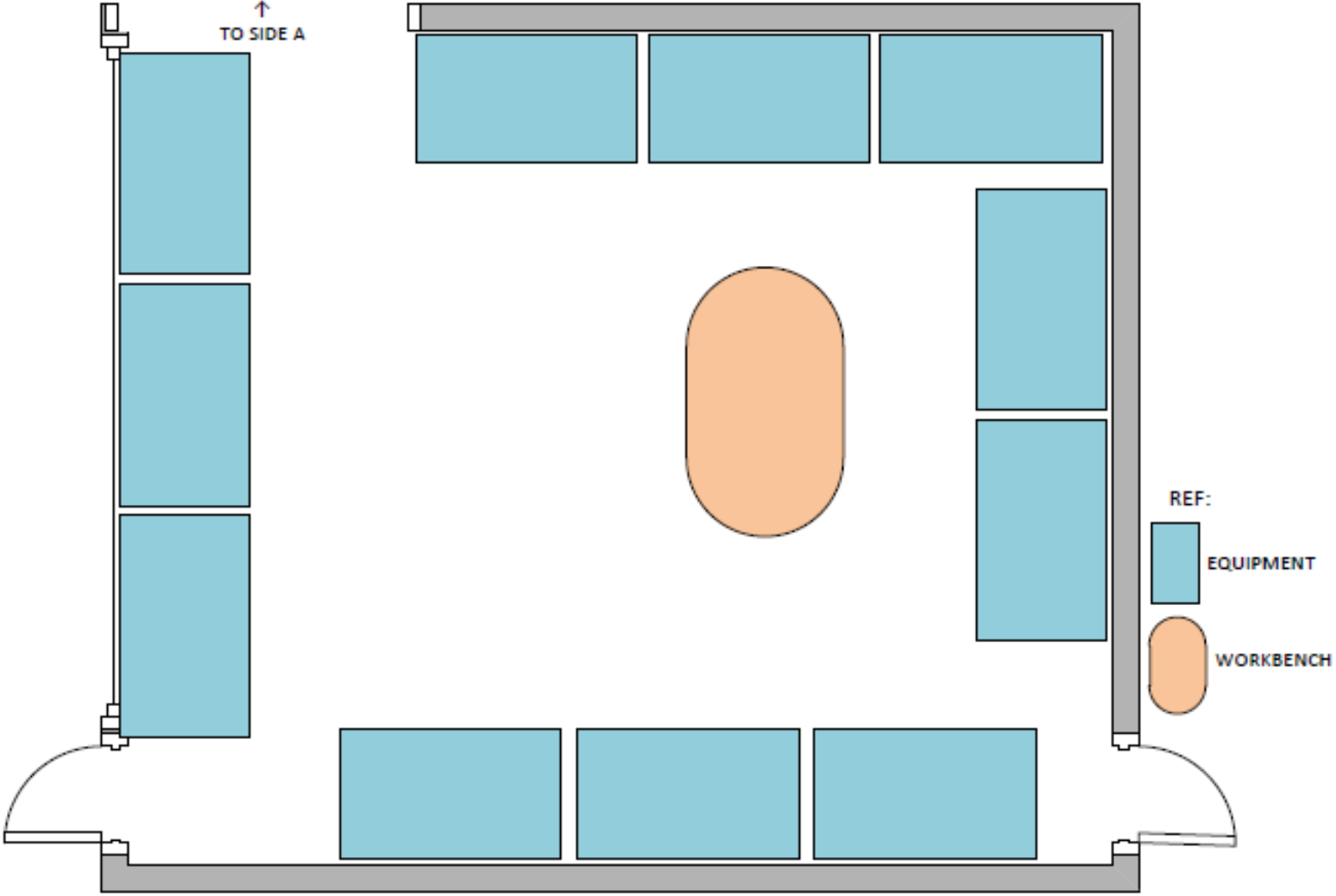
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LAB LAYOUT



LAB LAYOUT

SIDE B (MATERIAL LAB)



LAB PICTURES

