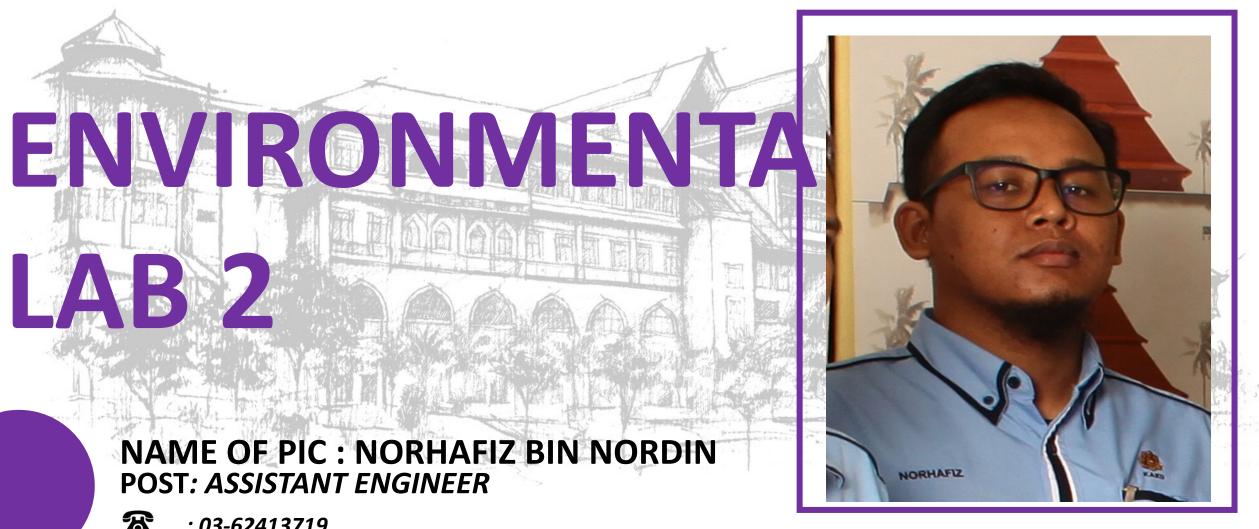
NAME OF PIC : NORHAFIZ BIN NORDIN POST: ASSISTANT ENGINEER



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The lab is used as classroom all courses undergraduate ,post graduate and research purpose.

- Opportunities for learning new instruments relate with environment
- Hands –on training using instruments based on class environmental science
- A place providing opportunity for experimentation, observation, or practice in a field of study .



Instruments	Purpose
Hygrometer c/w Type K thermocouple– 4 unit	Triple display to show the temperature [°] C and humidity % from a handheld probe and can display data from a separate K type thermocouple connected via a standard SMP type miniature connector to the T2 input.
Anemometer c/w temperature-4 unit	Measure and display the Air velocity (wind speed) expressed m/s and temperature ° C value at the same time. Low-friction ball bearing mounted vane wheel design provides high accuracy at high and low air velocity

Instruments	Purpose
Sound level meter– 4 unit	sound level meter designed for one hand operations. Frequency and time weighting meet IEC 61672 class 2 . 3 manual ranges - 30 to 80 dB, 50 to 100 dB, 80 to 130 dB
Lux meter–4 unit	Digital light meter ideal for measuring illumination within the workplace. Unit lux/ FC (Foot candles)

Instruments	Purpose
Infrared thermometer – 4 unit	Designed for application required user to initially measure temperature in hard or hot to reach area. Unit in ° C and ° F
Sling psychrometer –2 unit	accurately measuring ambient temperature humidity and dew point. Use whatever method is available (psychrometric computer, Skew-T diagram, or table) to compute the dew point and relative humidity

Instruments	Purpose
Weather station (Davis vantage pro 2) – 1 unit	A integrated sensor suite that can be customized by adding consoles or special-purpose options. A 40- foot (12-meter) anemometer cable allows the anemometer to be mounted separately from the rain collector. used around the world by emergency professionals, farmers, researchers, and others to monitor temperature, wind and moisture conditions, irrigation requirements .
Data logger temperature /humidity (Hobo-pro v2) – 6 unit	data logger is a weatherproof data logger with built- in temperature and relative humidity sensors. The Relative Humidity sensor provides superior durability in humid environments and is user-replaceable. For avoid any drift in measurement mostly use with solar radiation shield

Instruments		Purpose
Data logger temperature /humidity (Hobo-u10- 003) –24 unit	onset ;;;;; ;;;; HOBO®data logger temp/RH	is a two channel logger with 10-bit resolution and can record up to 52,000 measurements or events. The logger uses a direct USB interface for launching and data readout by a computer . Measure temperature and humidity
Data logger temperature /humidity/light (Hobo- u12-012) –1 unit	Onset HOBO* data logger temp/RH/light/ext channel	Measuring temperature , humidity and light. Can records interval time, start method depends users requirement.

Instruments	Purpose
Data logger temperature /humidity (Hobo-ux100 - 003) –8 unit	Data logger records temperature and relative humidity in an indoor environment. Easy to view LCD display
Globe thermometer –1 unit	To measure radiant heat ,the instrument absorb heat and transfer to scale as temperature ° C or °F

Instruments	Purpose
Solar power meter (Amprobe) –2 unit	The device measures solar output that is used to calculate the overall energy, efficiency, and placement of solar systems. Measures the solar power and transmission up to 2000 W/m2, 634BTU / (ft2 x h)
Anemometer (Kestrel)– 3 unit	Image: second





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

