



**DATA-DRIVEN HERITAGE
PRESERVATION: MACHINE
LEARNING APPLICATIONS IN
MICROCLIMATE MONITORING –
JOHOR BAHRU'S HERITAGE
CONTEXT**

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DATA-DRIVEN HERITAGE PRESERVATION: MACHINE LEARNING APPLICATIONS IN MICROCLIMATE MONITORING – JOHOR BAHRU'S HERITAGE CONTEXT

HOME

TOTAL HERITAGE

12

TEMPERATURE

01

HUMIDITY

01

PRESSURE

01

WIND SPEED

02

HERITAGE 1



30 °C
TEMPERATURE



45%
HUMIDITY



980 hPa
PRESSURE



18 km/h
WIND SPEED

[MORE DETAILS >](#)

HERITAGE 2



30 °C
TEMPERATURE



75% 
HUMIDITY



870 hPa
PRESSURE



18 km/h
WIND SPEED

[MORE DETAILS >](#)

HERITAGE 3




30 °C
TEMPERATURE



45%
HUMIDITY



1080 hPa 
PRESSURE



18 km/h
WIND SPEED

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HERITAGE 4



30 °C
TEMPERATURE



45%
HUMIDITY



830 hPa
PRESSURE



100 km/h 
WIND SPEED

[MORE DETAILS >](#)

HERITAGE 5



30 °C
TEMPERATURE



45%
HUMIDITY



870 hPa
PRESSURE



18 km/h
WIND SPEED

[MORE DETAILS >](#)

HERITAGE 6



30 °C
TEMPERATURE



45%
HUMIDITY



910 hPa
PRESSURE



18 km/h
WIND SPEED

[MORE DETAILS >](#)

HERITAGE 7



60 °C 
TEMPERATURE



45%
HUMIDITY



870 hPa
PRESSURE



120 km/h 
WIND SPEED

[MORE DETAILS >](#)

HERITAGE 8



30 °C
TEMPERATURE



45%
HUMIDITY



890 hPa
PRESSURE



18 km/h
WIND SPEED


[MORE DETAILS >](#)

DATA-DRIVEN HERITAGE PRESERVATION: MACHINE LEARNING APPLICATIONS IN MICROCLIMATE MONITORING – JOHOR BAHRU'S HERITAGE CONTEXT

HERITAGE 1


TEMPERATURE

30 °C




HUMIDITY

45%



PRESSURE

980 hPa




WIND SPEED

18 km/h




AVERAGE PRESSURE

890 hPa 980 hPa 1070 hPa 1160 hPa



AVERAGE HUMIDITY

0 20 40 60 80 100



ALERT

PREDICTIVE MAINTENANCE



YEAR MONTH DAY

