

**JABATAN METEOROLOGI MALAYSIA****Records of 24 Hour Temperature**

Station: BAYAN LEPAS

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Elevation: 2.46 m

Unit: °C

Year	Month												Annual
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2014	27.8	28.5	29.3	28.6	28.6	29.4	28.9	27.7	27.9	27.8	27.8	27.2	28.3
2015	27.8	28.6	28.8	28.3	28.6	28.5	28.3	27.7	27.0	26.7	26.2	27.0	27.8
2016	28.0	28.1	29.0	29.0	27.9	27.8	27.7	28.4	27.9	27.5	27.4	27.4	28.0
2017	27.3	27.9	27.9	28.1	28.7	28.7	28.5	28.0	27.6	28.2	27.4	28.0	28.0
2018	26.9	28.5	29.3	29.0	28.7	28.8	28.8	28.5	27.5	27.5	27.7	27.5	28.2
2019	28.5	29.3	29.9	29.7	28.5	29.1	28.9	28.6	28.0	27.4	27.8	28.2	28.7
2020	29.1	29.0	29.8	29.1	28.8	28.5	28.2	28.9	27.7	27.7	27.4	27.6	28.5
2021	27.4	28.7	28.7	28.5	28.7	28.1	28.4	27.6	27.9	28.4	27.5	27.8	28.1
2022	28.9	28.4	28.9	28.8	29.5	28.4	28.9	28.5	28.0	27.8	27.9	27.6	28.5
2023	28.1	28.2	28.9	29.4	29.8	29.9	29.3	28.6	28.1	28.5	28.2	28.3	28.8

Definition : N.A. - Not Available, Def. - Defective Value

**JABATAN METEOROLOGI MALAYSIA****Records of 24 hour Mean Relative Humidity**

Station: BAYAN LEPAS

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Elevation: 2.46 m

Unit: %

Year	Month												Annual
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2014	67.6	70.8	73.2	82.6	83.2	81.4	79.8	82.6	81.7	82.6	82.7	80.5	79.1
2015	71.2	67.4	74.4	81.9	81.6	81.8	80.1	81.9	80.9	80.5	82.8	75.7	78.3
2016	72.6	69.8	72.0	73.8	78.9	75.1	78.6	78.9	79.5	83.2	85.0	81.4	77.4
2017	80.3	73.5	79.8	80.5	81.3	77.8	79.5	80.0	82.2	78.4	82.8	73.2	79.1
2018	78.7	67.5	72.7	77.2	80.3	75.9	76.8	74.7	81.0	82.4	82.2	81.9	77.6
2019	69.4	70.0	70.2	76.3	82.3	78.9	76.4	77.3	80.5	83.4	78.8	71.2	76.2
2020	67.3	68.6	71.9	78.3	82.2	80.9	81.2	78.1	82.0	81.6	83.5	78.0	77.8
2021	75.3	64.8	75.6	78.8	80.9	80.9	79.5	82.0	79.1	78.8	82.3	75.2	77.8
2022	66.7	73.9	75.5	78.4	75.8	78.0	76.6	77.0	77.2	79.3	81.3	74.1	76.1
2023	71.1	74.2	72.2	77.0	75.0	70.3	73.6	77.5	79.9	78.5	78.5	76.9	75.4

Definition : N.A. - Not Available, Def. - Defective Value

**JABATAN METEOROLOGI MALAYSIA**  
**Records of Mean Daily Evaporation**

Station: BAYAN LEPAS

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Elevation: 2.46 m

Unit: millimetre

Year	Month												Annual
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2014	4.5	5.2	5.3	3.8	3.4	3.8	3.5	3.3	3.3	3.3	3.0	2.9	3.8
2015	4.8	5.9	5.3	4.1	3.6	3.8	3.3	3.7	3.3	3.7	3.7	3.8	4.1
2016	4.9	5.4	5.9	4.8	3.5	3.9	4.0	3.2	3.5	3.0	2.6	3.1	4.0
2017	3.5	4.0	3.8	3.6	3.9	3.5	3.6	3.6	3.2	4.1	2.8	4.3	3.7
2018	3.4	4.8	4.7	3.7	3.2	3.4	3.7	4.4	2.9	3.0	3.2	3.1	3.6
2019	4.6	5.4	5.6	4.4	3.2	4.1	4.6	4.2	3.7	3.0	3.3	3.8	4.1
2020	4.4	5.1	4.8	3.9	3.1	3.4	3.2	3.5	3.0	2.5	2.2	2.7	3.5
2021	3.3	4.9	3.8	2.9	3.3	2.6	2.9	2.5	3.0	2.6	2.2	3.4	3.1
2022	4.2	4.0	3.6	3.0	3.1	3.0	3.2	2.9	2.8	2.6	2.6	3.2	3.2
2023	3.5	3.7	4.2	3.6	3.1	2.5	3.1	2.9	2.5	2.2	2.2	2.9	3.0

Definition : N.A. - Not Available, Def. - Defective Value

**JABATAN METEOROLOGI MALAYSIA**  
**Records of Monthly Rainfall Amount**

Station: BAYAN LEPAS

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Elevation: 2.46 m

Unit: millimetre

Year	Month												Annual
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2014	54.8	13.6	81.8	209.0	203.2	159.2	71.6	167.0	300.6	264.5	156.2	195.4	1876.9
2015	62.9	10.8	139.4	363.8	225.4	258.2	290.8	366.0	487.2	247.0	507.4	108.6	3067.5
2016	39.4	30.2	59.2	46.2	199.4	126.4	289.4	149.4	404.2	420.4	308.4	99.4	2172.0
2017	195.0	51.2	163.4	226.4	366.6	59.4	161.8	315.6	485.0	216.2	395.6	89.0	2725.2
2018	352.4	35.2	116.8	167.0	244.8	123.6	241.0	227.0	278.8	369.2	216.4	105.8	2478.0
2019	17.6	8.0	37.4	155.6	443.0	79.4	187.2	95.4	257.2	293.8	121.0	44.6	1740.2
2020	60.0	54.4	39.6	154.2	249.0	350.0	152.0	40.6	242.2	229.4	128.6	131.2	1831.2
2021	89.8	45.2	115.2	158.8	259.0	232.8	212.8	237.2	237.6	319.0	254.6	70.8	2232.8
2022	21.2	95.8	127.4	143.4	229.8	197.0	175.0	101.5	310.3	373.4	237.0	128.8	2140.6
2023	30.3	172.2	57.2	191.1	261.8	239.8	182.5	129.4	282.2	385.9	155.7	121.2	2209.3

Definition : N.A. - Not Available, Def. - Defective Value

**JABATAN METEOROLOGI MALAYSIA****Records of Number of Raindays**

Station: BAYAN LEPAS

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Elevation: 2.46 m

Year	Month												Annual
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2014	5	2	8	20	19	9	10	19	19	19	21	18	169
2015	8	2	9	21	21	14	17	17	21	19	28	16	193
2016	6	4	2	10	20	8	14	16	19	21	22	17	159
2017	17	12	12	19	19	10	14	19	21	14	16	10	183
2018	20	5	11	14	21	11	11	11	20	24	22	19	189
2019	6	3	10	13	22	11	11	11	14	29	15	8	153
2020	5	6	7	17	20	14	16	11	16	22	16	17	167
2021	12	4	10	16	14	15	12	18	16	18	23	10	168
2022	5	16	16	19	13	24	19	15	20	23	23	15	208
2023	8	16	15	13	19	13	18	16	18	20	16	18	190

Definition : N.A. - Not Available, Def. - Defective Value

**JABATAN METEOROLOGI MALAYSIA****Records of Mean Daily Global Radiation**

Station: BAYAN LEPAS

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Elevation: 2.46 m

Unit: MJm<sup>-2</sup>

Year	Month											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2014	16.47	19.11	19.26	15.44	15.28	16.18	16.34	15.11	15.73	16.34	14.83	12.46
2015	18.44	21.08	18.74	18.08	16.67	16.14	15.60	14.81	17.88	19.57	21.38	23.13
2016	24.82	26.03	27.91	25.03	22.04	22.65	20.92	17.36	18.60	15.44	16.92	15.61
2017	15.86	19.17	18.56	18.55	17.94	18.21	17.20	18.55	17.60	18.08	14.45	17.28
2018	15.53	21.82	21.99	19.92	18.33	17.46	17.67	20.03	16.67	17.43	16.90	16.29
2019	19.22	22.46	22.82	20.42	16.17	18.18	18.77	18.59	17.17	19.13	17.72	19.25
2020	20.95	22.02	22.59	20.77	18.07	18.57	17.82	19.55	17.16	15.68	15.74	16.79
2021	16.68	23.66	21.69	18.32	19.54	17.35	18.48	18.00	17.89	17.91	14.93	17.27
2022	19.90	19.28	21.36	18.17	17.57	18.64	17.58	17.84	16.68	15.51	15.63	15.29
2023	15.13	17.81	22.09	18.32	17.68	18.98	10.63	11.01	8.95	7.09	15.30	12.40

Definition : N.A. - Not Available, Def. - Defective Value

**JABATAN METEOROLOGI MALAYSIA**  
**Mean Surface Wind Speed**

Station: BAYAN LEPAS

Unit: metre per second

Latitude: 5° 17' 49" N

Longitude: 100° 16' 20" E

Year	Month												Annual
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2014	3.1	2.5	2.4	1.9	1.8	2.0	1.7	1.9	1.9	2.0	2.0	2.2	2.1
2015	2.7	2.9	2.3	2.0	1.8	1.8	1.8	1.7	1.6	1.7	1.7	2.1	2.0
2016	2.4	3.0	2.3	1.9	1.8	1.8	1.8	1.7	1.9	1.7	1.8	2.1	2.0
2017	2.1	2.5	1.9	1.9	2.0	1.9	1.9	2.1	1.9	1.8	1.9	2.6	2.0
2018	2.0	2.5	2.4	2.1	2.0	1.9	2.1	1.9	1.8	1.8	1.8	1.8	2.0
2019	2.5	2.5	2.2	2.1	1.6	2.2	2.2	2.2	1.8	2.0	1.8	2.5	2.1
2020	2.6	2.9	2.1	2.1	2.0	2.0	2.1	2.0	1.8	1.4	1.8	2.4	2.1
2021	2.4	2.7	2.2	1.8	1.8	1.7	1.8	1.8	1.7	1.6	1.7	2.8	2.0
2022	2.5	2.2	1.9	1.5	1.4	1.4	1.6	1.8	1.2	1.3	1.4	2.3	1.7
2023	2.1	2.1	2.2	1.6	1.4	1.5	1.5	1.8	1.8	1.7	2.1	2.4	1.9

Definition : N.A. - Not Available, Def. - Defective Value

## JABATAN METEOROLOGI MALAYSIA

**Station:** BAYAN LEPAS  
**WMOIndex:** 48601  
**Date:** 2019 - 2023

**Latitude:** 5.2969  
**Longitude:** 100.2721  
**Elevation:** 2.46

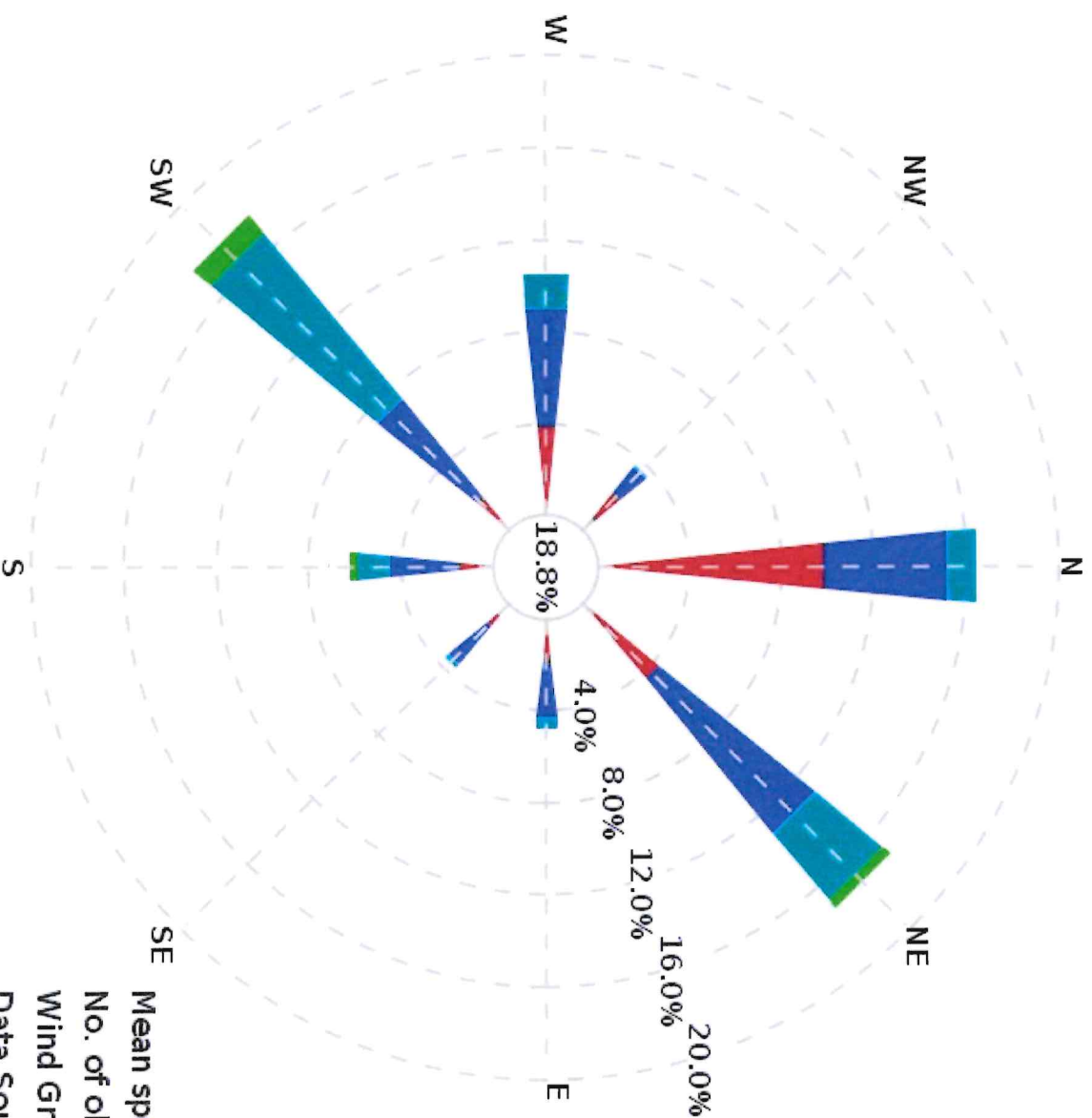
Percentage frequencies of occurrence for concurrent wind direction (degrees) and speed (m/s) within specified ranges [%]								
Wind speed range								
Direction	0.3-1.5	1.6-3.3	3.4-5.4	5.5-7.9	8.0-10.7	>10.7	Total	Mean Speed
Calm							18.8	
Variable	0	0	0	0	0	0	0	
N	9.8	5.3	1.3	0	0	0	16.4	1.6
NE	4.3	8.6	3.7	0.5	0	0	17.2	2.5
E	1.8	2.5	0.5	0	0	0	4.9	2
SE	1.3	2.1	0.2	0	0	0	3.7	1.9
S	1.4	3.1	1.4	0.3	0	0	6.3	2.7
SW	1.8	5.6	9.3	1	0	0	17.7	3.5
W	3.9	5.1	1.5	0	0	0	10.5	2.1
NW	2.1	1.4	0.1	0	0	0	3.6	1.4

Variables	Summary values
Prevailing dir.	Calm
Mean speed	1.9
Dir. of max. gust	50
Max. gust speed	24.1
Max. gust date	24-Sep-2019
No. of obs. / total	43429 / 43824

  
**b/p Ketua Pengarah**  
**Jabatan Meteorologi,**  
**Malaysia**

# BAYAN LEPAS

## 2019 - 2023



*Farid*  
b/p Ketua Pengarah  
Jabatan Meteorologi,  
Malaysia

Mean speed: 1.9 m/s

No. of obs.: 43429 / 43824

Wind Group: Hourly Wind

Data Source: Climatic observation

[m/s]  
>10.7  
8.0-10.7  
5.5-7.9  
3.4-5.4  
1.6-3.3  
0.3-1.5  
Calm <0.3