

JUANDA SURABAYA, Indonesia

Annual Climatic Design Data (1994–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
7.3747S	112.7820E	3	101.29	21.2	34.1	8.2	E

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	26	25	33	32	28	26	26	23	24	25	33	31
Prevailing Wind #1												
DIR	W	W	W	E	E	E	E	E	E	E	E	W
%OCC	19	19	11	16	23	24	24	26	24	21	13	12
AVG m/s	3.5	3.7	3.2	3.9	3.9	4.1	4.4	4.5	4.7	4.5	4.0	3.3
MED m/s	3.2	3.3	2.9	3.8	3.7	3.9	4.2	4.4	4.5	4.4	3.8	2.9
Prevailing Wind #2												
DIR	WNW	WNW	WNW	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	WNW
%OCC	17	19	10	11	16	18	20	20	21	18	10	10
AVG m/s	4.2	4.4	3.7	3.7	3.9	4.1	4.2	4.4	4.5	4.3	3.9	3.6
MED m/s	3.8	4.0	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.2	3.7	3.3
Prevailing Wind #3												
DIR	WSW	WSW	E	ENE	ENE	ENE	ENE	ENE	SE	ENE	ENE	WSW
%OCC	7	8	7	8	9	7	7	7	7	8	8	7
AVG m/s	3.1	3.1	3.3	3.5	3.7	3.8	4.2	4.5	3.7	4.3	3.9	2.9
MED m/s	2.9	2.9	3.3	3.4	3.6	3.7	4.0	4.3	3.5	4.2	3.8	2.6
Prevailing Wind #4												
DIR	NW	NW	WSW	W	SE	SE	SE	SE	ENE	SE	W	NW
%OCC	7	8	6	4	5	6	6	7	6	6	6	5
AVG m/s	4.5	4.7	2.8	2.5	3.3	3.3	3.4	3.5	4.5	3.8	2.5	3.8
MED m/s	4.1	4.4	2.6	2.3	3.1	3.1	3.2	3.4	4.3	3.6	2.4	3.4