

**SEMARANG AHMAD YANI, Indonesia****Annual Climatic Design Data (1994–2019)**

| Latitude | Longitude | Elevation ft | Standard Station<br>Pressure psi | Winter<br>Temperature °F | Summer<br>Temperature °F | Extreme Wind<br>Speed mph | Extreme Wind<br>Direction |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 6.9769S  | 110.3778E | 13           | 14.69                            | 72.6                     | 94.6                     | 18.0                      | NW                        |

**Monthly Winds (1994–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 20  | 22  | 22  | 19  | 15  | 15  | 14  | 12  | 16  | 20  | 24  | 23  |

**Prevailing Wind #1**

|         |     |      |      |     |     |     |     |     |     |      |     |      |
|---------|-----|------|------|-----|-----|-----|-----|-----|-----|------|-----|------|
| DIR     | WNW | WNW  | NW   | ESE | ESE | ESE | ESE | ESE | ESE | NNW  | NNW | NW   |
| %OCC    | 16  | 14   | 11   | 11  | 16  | 17  | 18  | 17  | 12  | 11   | 10  | 10   |
| AVG mph | 9.7 | 10.0 | 10.8 | 7.3 | 7.9 | 8.1 | 8.9 | 8.8 | 8.1 | 10.2 | 9.2 | 10.2 |
| MED mph | 9.4 | 9.7  | 10.7 | 6.7 | 7.6 | 7.7 | 8.8 | 8.6 | 7.6 | 10.2 | 9.1 | 10.1 |

**Prevailing Wind #2**

|         |      |      |     |     |     |     |     |     |      |      |     |     |
|---------|------|------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|
| DIR     | NW   | NW   | NNW | SE  | SE  | SE  | E   | E   | NNW  | NW   | ESE | NNW |
| %OCC    | 13   | 14   | 10  | 10  | 12  | 13  | 13  | 12  | 10   | 9    | 9   | 9   |
| AVG mph | 12.5 | 12.0 | 9.7 | 5.9 | 6.6 | 7.2 | 8.7 | 8.9 | 10.6 | 10.1 | 6.6 | 8.8 |
| MED mph | 12.5 | 11.8 | 9.6 | 5.2 | 5.9 | 6.6 | 8.7 | 8.8 | 10.8 | 10.1 | 5.8 | 8.7 |

**Prevailing Wind #3**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | W   | W   | WNW | NNW | E   | E   | SE  | SE  | E   | ESE | NW  | WNW |
| %OCC    | 11  | 10  | 7   | 8   | 12  | 12  | 13  | 11  | 10  | 9   | 7   | 8   |
| AVG mph | 6.6 | 7.0 | 8.7 | 8.8 | 8.3 | 8.1 | 7.3 | 7.3 | 8.9 | 7.6 | 9.6 | 8.9 |
| MED mph | 6.0 | 6.2 | 8.1 | 8.7 | 8.2 | 8.0 | 6.8 | 6.7 | 8.6 | 7.1 | 9.4 | 8.2 |

**Prevailing Wind #4**

|         |      |      |     |     |     |     |     |     |     |     |     |     |
|---------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNW  | NNW  | N   | E   | SSE | SSE | NNW | NNW | NW  | SE  | SE  | N   |
| %OCC    | 8    | 8    | 7   | 7   | 7   | 7   | 6   | 7   | 8   | 7   | 7   | 6   |
| AVG mph | 10.4 | 10.3 | 8.5 | 7.5 | 5.0 | 5.1 | 8.7 | 9.6 | 9.9 | 6.4 | 5.4 | 8.0 |
| MED mph | 9.9  | 9.9  | 8.6 | 7.2 | 4.7 | 4.6 | 8.6 | 9.7 | 9.9 | 5.5 | 4.8 | 8.1 |