

# KETAPANG RAHADI USMAN, Indonesia

## Annual Climatic Design Data (2007–2019)

| Latitude | Longitude | Elevation m | Standard Station<br>Pressure kPa | Winter<br>Temperature °C | Summer<br>Temperature °C | Extreme Wind<br>Speed m/s | Extreme Wind<br>Direction |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 1.8174S  | 109.9620E | 14          | 101.16                           | 23.0                     | 33.4                     | 6.4                       | ESE                       |

## Monthly Winds (2007–2019)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 34  | 35  | 43  | 41  | 30  | 23  | 17  | 11  | 16  | 34  | 41  | 37  |

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | WNW | WNW | W   | E   | E   | ESE | ESE | ESE | ESE | E   | W   | W   |
| %OCC    | 11  | 12  | 10  | 8   | 15  | 18  | 24  | 24  | 19  | 10  | 8   | 10  |
| AVG m/s | 2.9 | 2.8 | 2.7 | 2.3 | 2.7 | 3.2 | 3.4 | 3.4 | 3.2 | 2.8 | 2.8 | 2.9 |
| MED m/s | 2.8 | 2.6 | 2.5 | 2.2 | 2.4 | 3.0 | 3.1 | 3.2 | 3.0 | 2.4 | 2.5 | 2.6 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNW | NNW | WNW | W   | ESE | E   | SE  | SE  | SE  | ESE | ENE | WNW |
| %OCC    | 11  | 10  | 8   | 8   | 10  | 14  | 16  | 18  | 13  | 9   | 7   | 8   |
| AVG m/s | 3.4 | 3.1 | 2.6 | 2.5 | 2.9 | 2.9 | 3.4 | 3.5 | 3.2 | 2.7 | 2.3 | 2.7 |
| MED m/s | 3.2 | 3.0 | 2.5 | 2.4 | 2.6 | 2.7 | 3.3 | 3.4 | 3.1 | 2.4 | 2.1 | 2.6 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | W   | NW  | NNW | ENE | ENE | SE  | E   | E   | E   | ENE | NE  | NW  |
| %OCC    | 11  | 10  | 6   | 7   | 8   | 11  | 12  | 13  | 13  | 6   | 5   | 8   |
| AVG m/s | 2.9 | 3.1 | 2.9 | 2.3 | 2.4 | 3.2 | 3.2 | 3.4 | 3.1 | 2.4 | 2.3 | 2.8 |
| MED m/s | 2.6 | 3.1 | 2.9 | 2.1 | 2.2 | 3.0 | 2.9 | 3.1 | 2.7 | 2.2 | 2.2 | 2.6 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NW  | W   | NW  | WNW | S   | SSW | S   | S   | S   | SSW | E   | NNW |
| %OCC    | 10  | 10  | 5   | 5   | 5   | 6   | 7   | 9   | 10  | 6   | 5   | 5   |
| AVG m/s | 3.1 | 2.8 | 2.9 | 2.5 | 2.6 | 3.0 | 3.4 | 3.7 | 3.8 | 3.1 | 2.5 | 2.9 |
| MED m/s | 3.0 | 2.6 | 2.8 | 2.4 | 2.4 | 2.8 | 3.3 | 3.7 | 3.7 | 3.1 | 2.2 | 2.6 |