

1. GEOGRAFIS / GEOGRAPHIKAL

Tabel : 01.00.01

Table

**Kelembaban, Tekanan Udara dan Temperatur  
Maksimum dan Minimum di Perak I**  
*Relative Humidity, Atmospher Pressure and  
Temperature at Perak I*  
**2011**

B u l a n/ M o n t h	Kelembaban/ Relative Humidity(%)		Tekanan Udara/ Atmospher Pressure (Mbs)		Temperatur/ Temperature (°C)	
	Max	Min	Max	Min	Max	Min
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Januari/</b> <i>January</i>	97	82	1011.3	1002.4	34.2	22.8
<b>Pebruari/</b> <i>February</i>	97	81	1011.8	1003.3	34.4	23.2
<b>Maret/</b> <i>March</i>	97	53	1012.9	109.2	34.2	23.6
<b>April/</b> <i>April</i>	95	52	1013.0	1005.2	34.3	24.0
<b>Mei/</b> <i>May</i>	96	45	1014.3	1010.8	34.5	24.5
<b>Juni/</b> <i>June</i>	97	38	1014.5	1011.8	34.8	22.0
<b>Juli/</b> <i>July</i>	92	38	1014.7	1012.3	33.6	22.0
<b>Agustus/</b> <i>August</i>	89	35	1014.4	1012.7	34.2	21.4
<b>September/</b> <i>September</i>	91	33	1015.2	1013.1	35.0	22.8
<b>Oktober/</b> <i>October</i>	92	28	1014.8	1004.5	36.4	22.8
<b>Nopember/</b> <i>November</i>	97	44	1012.9	1003.9	35.4	23.6
<b>Desember/</b> <i>December</i>	97	47	1011.7	1008.9	35.0	23.6
<b>Rata-rata/ Average</b>	95	48	1013.5	933.2	34.7	23.0

Sumber : Stasiun Meteorologi Perak I Surabaya

Source : Meteorological Station at Perak I Surabaya

## 1. GEOGRAFIS / GEOGRAPHIKAL

**Tabel : 01.00.02**

*Table*

**Kelembaban, Tekanan Udara dan Temperatur  
Maksimum dan Minimum di Perak II**

*Relative Humidity, Atmospher Pressure and Maximum  
and Minimum at Perak II*

**2011**

<b>B u l a n / M o n t h</b>	<b>Kelembaban/ Relative Humidity(%)</b>		<b>Tekanan Udara/ Atmospher Pressure (Mbs)</b>		<b>Temperatur/ Temperature (°C)</b>	
	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Januari/ January</b>	90	63	1009.9	1006.5	32.3	25.2
<b>Pebruari/ February</b>	89	61	1010.5	1007.0	32.7	25.5
<b>Maret/ March</b>	91	58	1010.8	1006.6	33.3	25.5
<b>April/ April</b>	91	59	1011.5	1008.1	33.2	25.7
<b>Mei/ May</b>	89	57	1012.2	1008.9	33.7	25.9
<b>Juni/ June</b>	85	51	1012.7	1009.5	33.2	24.3
<b>Juli/ July</b>	85	49	1013.2	1009.9	33.1	24.4
<b>Agustus/ August</b>	82	45	1013.7	1010.2	33.1	24.0
<b>September/ September</b>	82	43	1013.8	1010.1	34.0	24.4
<b>Oktober/ October</b>	81	45	1012.3	1008.3	34.7	29.9
<b>Nopember/ November</b>	89	56	1010.8	1006.8	33.9	26.0
<b>Desember/ December</b>	90	58	1009.7	1005.7	33.7	25.7
<b>Rata-rata/ Average</b>	87	54	1011.8	1008.1	33.4	25.5

**Sumber : Stasiun Meteorologi Perak II Surabaya**

Source : Meteorological Station at Perak II Surabaya

1. GEOGRAFIS / GEOGRAPHIKAL

Tabel : 01.00.03

Table

Kelembaban, Tekanan Udara dan Temperatur

Maksimum dan Minimum di Juanda

Relative Humidity, Atmospher Pressure and Maximum and Minimum at Juanda

2011

B u l a n / M o n t h	Kelembaban/ Relative Humidity(%)		Tekanan Udara/ Atmospher Pressure (Mbs)		Temperatur/ Temperature (°C)	
	Max	Min	Max	Min	Max	Min
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Januari/</b> <i>January</i>	99	52	1,010.6	1,005.1	33.3	23.0
<b>Pebruari/</b> <i>February</i>	98	55	1,010.7	1,005.9	33.6	23.0
<b>Maret/</b> <i>March</i>	97	55	1,009.9	1,007.2	33.7	23.0
<b>April/</b> <i>April</i>	97	54	1,012.0	1,008.0	32.7	23.0
<b>Mei/</b> <i>May</i>	97	50	1,012.7	1,008.7	32.6	23.5
<b>Juni/</b> <i>June</i>	94	43	1,013.7	1,009.8	32.6	20.4
<b>Juli/</b> <i>July</i>	92	43	1,013.7	1,009.7	31.8	20.6
<b>Agustus/</b> <i>August</i>	96	39	1,013.5	1,009.5	32.4	20.0
<b>September/</b> <i>September</i>	92	41	1,013.8	1,011.3	33.4	21.7
<b>Oktober/</b> <i>October</i>	85	41	1,014.0	1,007.4	34.8	22.6
<b>Nopember/</b> <i>November</i>	95	48	1,012.0	1,007.1	34.6	23.5
<b>Desember/</b> <i>December</i>	98	56	1,010.4	1,005.2	34.2	22.9
<b>Rata-rata/</b> <i>Average</i>	95.0	48.1	1,012.3	1,007.9	33.3	22.3

Sumber : Stasiun Meteorologi Juanda Surabaya

Source : Meteorological Station at Juanda Surabaya

## 1. GEOGRAFIS / GEOGRAPHIKAL

**Tabel : 01.00.04**

*Table*

**Rata-rata Kelembaban, Tekanan Udara, Temperatur dan Penyinaran Matahari di Perak I Surabaya per Bulan**

*Average of Relative Humidity, Atmospher Pressure, Temperature and Sunshine Duration at Perak I Surabaya by Month*  
**2011**

<b>B u l a n / M o n t h</b>	<b>Kelembaban/ Relative Humidity(%)</b>	<b>Tekanan Udara/ Atmospher Pressure (Mbs)</b>	<b>Temperatur/ Temperature 0°C</b>	<b>Matahari/ Sunshine Duration(%)</b>
(1)	(2)	(3)	(4)	(5)
<b>Januari/ January</b>	47	1007.7	27.4	39
<b>Pebruari/ February</b>	54	1008.2	27.7	42
<b>Maret/ March</b>	81	1003.9	27.9	58
<b>April/ April</b>	81	1010.1	28.2	46
<b>Mei/ May</b>	76	1006.3	28.9	72
<b>Juni/ June</b>	70	1006.5	28.1	88
<b>Juli/ July</b>	70	1012.3	28.1	96
<b>Agustus/ August</b>	67	1006.6	28.0	94
<b>September/ September</b>	66	1007.2	28.6	95
<b>Oktober/ October</b>	65	1011.8	29.8	88
<b>Nopember/ November</b>	77	1010.0	28.9	57
<b>Desember/ December</b>	79	1003.4	28.3	47
<b>Rata-rata/ Average</b>	69	1007.8	28.3	69

**Sumber : Stasiun Meteorologi Perak I Surabaya**

*Source : Meteorological Station at Perak I Surabaya*

**Tabel : 01.00.05**

Table

**Rata-rata Kelembaban, Tekanan Udara, Temperatur dan Penyinaran Matahari di Perak II Surabaya per Bulan***Average of Relative Humidity, Atmospheric Pressure, Temperature and Sunshine Duration at Perak II Surabaya by Month*  
**2011**

<b>B u l a n / M o n t h</b>	<b>Kelembaban/ Relative Humidity(%)</b>	<b>Tekanan Udara/ Atmospheric Pressure (Mbs)</b>	<b>Temperatur/ Temperature 0°C</b>	<b>Matahari/ Sunshine Duration(%)</b>
(1)	(2)	(3)	(4)	(5)
<b>Januari / January</b>	78	1008.4	28.2	50
<b>Pebruari/ February</b>	78	1008.9	28.3	53
<b>Maret/ March</b>	77	1009.0	28.7	64
<b>April/ April</b>	78	1010.1	28.8	55
<b>Mei/ May</b>	75	1010.7	29.2	75
<b>Juni/ June</b>	70	1011.3	28.3	89
<b>Juli/ July</b>	69	1011.7	28.4	96
<b>Agustus/ August</b>	65	1012.1	28.2	97
<b>September/ September</b>	64	1012.1	28.9	98
<b>Oktober/ October</b>	63	1010.6	30.2	86
<b>Nopember/ November</b>	74	1009.0	29.7	66
<b>Desember/ December</b>	77	1007.8	29.1	48
<b>Rata-rata/ Average</b>	72	1010.1	28.8	73

**Sumber : Stasiun Meteorologi Perak II Surabaya***Source : Meteorological Station at Perak II Surabaya*

## 1. GEOGRAFIS / GEOGRAFIKAL

**Tabel : 01.00.06**

*Table*

**Rata-rata Kelembaban, Tekanan Udara, Temperatur dan Penyinaran Matahari di Juanda Surabaya per Bulan**

*Average of Relative Humidity, Atmospher Pressure, Temperature and Sunshine Duration at Juanda Surabaya by Month*

**2011**

<b>B u l a n / M o n t h</b>	<b>Kelembaban/ Relative Humidity(%)</b>	<b>Tekanan Udara/ Atmosphair Pressure (Mbs)</b>	<b>Temperatur/ Temperature (°C)</b>	<b>Matahari/ Sunshine Duration(%)</b>
(1)	(2)	(3)	(4)	(5)
<b>Januari/ January</b>	81	1,007.9	27.0	40.6
<b>Pebruari/ February</b>	74	1,008.4	27.0	43.0
<b>Maret/ March</b>	83	1,008.5	27.1	54.0
<b>April/ April</b>	83	1,010.0	27.4	48.0
<b>Mei/ May</b>	80	1,010.2	27.7	72.3
<b>Juni/ June</b>	75	1,011.3	26.8	92.1
<b>Juli/ July</b>	75	1,012.0	26.6	94.2
<b>Agustus/ August</b>	72	1,012.2	26.3	92.5
<b>September/ September</b>	71	1,012.6	26.3	93.9
<b>Oktober/ October</b>	68	1,010.9	29.0	92.0
<b>Nopember/ November</b>	77	1,009.4	28.6	63.6
<b>Desember/ December</b>	81	1,008.2	27.8	42.7
<b>Rata-rata/ Average</b>	76.7	1,010.1	27.3	69

**Sumber : Stasiun Meteorologi Juanda Surabaya**

*Source : Meteorological Station at Juanda Surabaya*

## 1. GEOGRAFIS / GEOGRAPHIKAL

**Tabel : 01.00.07**

*Table*

**Banyaknya Hari Hujan dan Curah Hujan  
di Perak I per Bulan**

*Number of Rainy Days and Rainfall at Perak I  
by Month*

**2008 - 2011**

<b>B u l a n / M o n t h</b>	<b>Hari Hujan (hari)/ Rainy Days (days)</b>				<b>Curah Hujan (mm)/ Rainfall (mm)</b>			
	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Januari/ January</b>	19	23	25	23	199	376	298	123
<b>Pebruari/ February</b>	27	25	25	23	180	371	434	174
<b>Maret/ March</b>	23	18	25	23	247	216	322	461
<b>April/ April</b>	12	14	22	22	68	122	94	275
<b>Mei/ May</b>	6	16	23	14	33	58	147	70
<b>Juni/ June</b>	4	7	15	3	17	50	58	28
<b>Juli/ July</b>	-	1	12	3	-	0	66	0
<b>Agustus/ August</b>	3	1	7	1	7	0	30	0
<b>September/ September</b>	-	0	22	0	-	0	156	0
<b>Oktober/ October</b>	6	0	21	5	73	0	252	23
<b>Nopember/ November</b>	19	10	22	26	166	128	94	205
<b>Desember/ December</b>	25	21	28	23	376	22	312	356
<b>Rata-rata/ Average</b>	14	11	21	14	137	112	189	143

**Sumber : Stasiun Meteorologi Perak I Surabaya**

*Source : Meteorological Station at Perak I Surabaya*

1. GEOGRAFIS / GEOGRAPHIKAL

Tabel : 01.00.08

Table

**Banyaknya Hari Hujan dan Curah Hujan  
di Perak II per Bulan**

*Number of Rainy Days and Rainfall at Perak II  
by Month*

**2008 - 2011**

B u l a n/ M o n t h	Hari Hujan (hari)/ Rainy Days (days)				Curah Hujan (mm)/ Rainfall (mm)			
	2008	2009	2010	2011	2008	2009	2010	2011
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Januari/</b> <i>January</i>	19	23	26	24	158.6	334.7	303.2	174.5
<b>Pebruari/</b> <i>February</i>	28	25	19	21	194.2	458.5	402.8	172.4
<b>Maret/</b> <i>March</i>	22	15	19	21	276.8	160.8	216.2	375,0
<b>April/</b> <i>April</i>	11	11	23	22	84.6	98.4	320.5	252.3
<b>Mei/</b> <i>May</i>	7	16	20	14	35	87.4	129.7	78.9
<b>Juni/</b> <i>June</i>	4	5	15	2	24	96.0	53.2	21.3
<b>Juli/</b> <i>July</i>	1	-	7	2	1.4	-	39.7	1.6
<b>Agustus/</b> <i>August</i>	1	1	8	-	-	3.2	48.5	-
<b>September/</b> <i>September</i>	-	-	18	-	-	-	88.4	-
<b>Oktober/</b> <i>October</i>	7	2	21	6	80.8	-	238.8	28,0
<b>Nopember/</b> <i>November</i>	16	9	17	20	121.4	78.2	73.0	181.5
<b>Desember/</b> <i>December</i>	22	18	28	24	343.8	152.6	286.2	510.2
<b>Rata-rata/</b> <i>Average</i>	13	13	18	16	132.1	163.3	183.4	174.1

Sumber : Stasiun Meteorologi Perak II Surabaya

Source : Meteorological Station at Perak II Surabaya



## 1. GEOGRAFIS / GEOGRAFIKAL

Tabel : 01.00.09

Table

**Banyaknya Hari Hujan dan Curah Hujan  
di Juanda per Bulan**

*Number of Rainy Days and Rainfall at Juanda  
by Month*

**2008 - 2011**

B u l a n / M o n t h	Hari Hujan (hari)/ Rainy Days (days)				Curah Hujan (mm)/ Rainfall (mm)			
	2008	2009	2010	2011	2008	2009	2010	2011
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Januari/</b> <i>January</i>	22	18	24	22	255.6	404.9	581.7	230.5
<b>Pebruari/</b> <i>February</i>	24	27	21	21	209.1	652.5	487.6	212.8
<b>Maret/</b> <i>March</i>	23	18	25	26	249.5	120.8	313.5	398.5
<b>April/</b> <i>April</i>	14	13	29	23	136.4	140.8	140.8	140.8
<b>Mei/</b> <i>May</i>	6	19	23	13	22.1	360.1	373.8	156.8
<b>Juni/</b> <i>June</i>	3	9	17	3	3.7	109.6	91.9	31.3
<b>Juli/</b> <i>July</i>	-	1	14	4	-	0.6	135.8	30.7
<b>Agustus/</b> <i>August</i>	-	-	6	-	-	-	16	-
<b>September/</b> <i>September</i>	-	-	15	-	-	-	129	-
<b>Oktober/</b> <i>October</i>	3	-	17	2	48.9	-	269.2	9.7
<b>Nopember/</b> <i>November</i>	19	4	17	14	205.3	26.7	140.8	260.9
<b>Desember/</b> <i>December</i>	21	16	27	16	372.3	711.0	214.9	317.1
<b>Rata-rata/</b> <i>Average</i>	11	10	19.6	14.4	125.2	93	241.2	178.9

**Sumber : Stasiun Meteorologi Juanda Surabaya**

*Source : Meteorological Station at Juanda Surabaya*

## 1. GEOGRAFIS / GEOGRAPHIKAL

**Tabel : 01.00.10**  
Table

**Arah Terbanyak, Kecepatan Rata-rata dan Kecepatan Maksimum Angin di Perak I per Bulan**  
*Mostly Directional, Speed Averages and Mostly Wind Velocity at Perak I by Month*  
**2011**

B u l a n/ M o n t h	Arah Terbanyak / Mostly Directional	Kecepatan Rata-rata/ Speed Average (Knot)	Kecepatan Angin Maksimum/ Mostly Wind Velocity			Tanggal/ Date
			Arah/ Direc- tion	Kecepatan/ Velocity (Knot)	Jam/ Hours (BBWI)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Januari/</b> <i>January</i>	Barat	7	Barat	22	3.00	11-01-2011
<b>Pebruari/</b> <i>February</i>	Barat	7	Barat Laut	20	13.00	26-02-2011
<b>Maret/</b> <i>March</i>	Barat	6	Barat Laut	32	8.40	28-03-2011
<b>April/</b> <i>April</i>	Barat	6	Barat Laut	18	7.00	01-04-2011
<b>Mei/</b> <i>May</i>	Timur	6	Timur	18	4.00	23-05-2011
<b>Juni/</b> <i>June</i>	Timur	7	Timur	18	5.00	03-06-2011
<b>Juli/</b> <i>July</i>	Timur	6	Timur	18	5.00	03-07-2011
<b>Agustus/</b> <i>August</i>	Timur	8	Timur	16	13.00	18-08-2011
<b>September/</b> <i>September</i>	Timur	5	Timur	17	13.00	17-09-2011
<b>Oktober/</b> <i>October</i>	Timur	8	Timur	28	13.00	29-10-2011
<b>Nopember/</b> <i>November</i>	Timur	6	Barat	15	14.00	30-11-2011
<b>Desember/</b> <i>December</i>	Barat	5	Barat Laut	16	10.30	01-12-2011
<b>Rata-rata/ Average</b>	Timur	6	Timur	20		

**Sumber : Stasiun Meteorologi Perak I Surabaya**  
*Source : Meteorological Station at Perak I Surabaya*

**Tabel : 01.00.11**  
Table

**Arah Terbanyak, Kecepatan Rata-rata dan Kecepatan Maksimum Angin di Perak II per Bulan**  
*Mostly Directional, Speed Averages and Mostly Wind Velocity at Perak II by Month*  
**2011**

B u l a n/ Month	Arah Terbanyak / Mostly Directional	Kecepatan Rata-rata/ Speed Average (Knot)	Kecepatan Angin Maksimum/ Mostly Wind Velocity			
			Arah/ Direc- tion	Kecepatan/ Velocity (Knot)	Jam/ Hours (BBWI)	Tanggal/ Date
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Januari/</b> <i>January</i>	Barat	7	300	30	02.40	12
<b>Pebruari/</b> <i>February</i>	Barat	6	290	22	13.40	4
<b>Maret/</b> <i>March</i>	Barat	5	230	21	17.40	1
<b>April/</b> <i>April</i>	Utara	4	130	15	18.00	1
<b>Mei/</b> <i>May</i>	Timur	5	140	22	11.20	23
<b>Juni/</b> <i>June</i>	Timur	7	120	21	12.40	3
<b>Juli/</b> <i>July</i>	Timur	8	120	22	14.00	12
<b>Agustus/</b> <i>August</i>	Timur	8	120	21	11.00	6
<b>September/</b> <i>September</i>	Timur	8	120	21	12.10	1
<b>Oktober/</b> <i>October</i>	Timur	8	120	22	13.20	16
<b>Nopember/</b> <i>November</i>	Selatan	5	020	19	10.40	20
<b>Desember/</b> <i>December</i>	Barat Laut	6	180	22	15.50	18
<b>Rata-rata/ Average</b>	Timur	6	170	22	12.58	10

**Sumber : Stasiun Meteorologi Perak II Surabaya**  
*Source : Meteorological Station at Perak II Surabaya*

## 1. GEOGRAFIS / GEOGRAPHIKAL

**Tabel : 01.00.12**  
Table

**Arah Terbanyak, Kecepatan Rata-rata  
di Juanda per Bulan**  
*Mostly Directional, Speed Averages  
at Juanda by Month*  
**2011**

B u l a n/ Month	Arah Terbanyak / Mostly Directional	Kecepatan Rata-rata/ Speed Average (Knot)	Kecepatan Angin Maksimum/ Mostly Wind Velocity			Tanggal/ Date
			Arah/ Direc- tion	Kecepatan/ Velocity (Knot)	Jam/ Hours (BBWI)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>Januari/</b> <i>January</i>	<b>W</b>	8.9	290	29	12.00	10
<b>Pebruari/</b> <i>February</i>	<b>W</b>	8.3	360	24	11.00	23
<b>Maret/</b> <i>March</i>	<b>W</b>	7.0	360	24	14.00	15
<b>April/</b> <i>April</i>	<b>E</b>	7.0	100	16	15.00	12
<b>Mei/</b> <i>May</i>	<b>E</b>	6.0	90	14	11,12,00	22.23
<b>Juni/</b> <i>June</i>	<b>E</b>	7.0	100	15	14.00	1
<b>Juli/</b> <i>July</i>	<b>E</b>	7.0	100	18	15.00	28
<b>Agustus/</b> <i>August</i>	<b>E</b>	7.1	90	15	18.00	24
<b>September/</b> <i>September</i>	<b>E</b>	7.3	90	15	16.00	10
<b>Oktober/</b> <i>October</i>	<b>E</b>	7.6	100	18	18.00	6.18
<b>Nopember/</b> <i>November</i>	<b>E</b>	7.0	200	17	14.00	22
<b>Desember/</b> <i>December</i>	<b>W</b>	6.4	200	22	15.00	22
<b>Rata-rata/</b> <i>Average</i>	<b>E</b>	7.2	173.3	18.9		

**Sumber : Stasiun Meteorologi Juanda Surabaya**  
*Source : Meteorological Station at Juanda Surabaya*

## 1. GEOGRAFIS / GEOGRAPHIKAL

**Tabel : 01.00.13**  
*Table*

**Banyaknya Penguapan Panci Terbuka  
di Perak I Surabaya per Bulan**  
*Monthly Quantity of Evaporation  
at Perak I in Surabaya*  
**2007 - 2011**

<b>Bulan/Month</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
(1)	(2)	(3)	(4)	(5)	(6)
<b>Januari/</b> <i>January</i>	151.7	134.2	150.0	126.7	123.3
<b>Pebruari/</b> <i>February</i>	110.9	120.2	125.6	129.7	128.2
<b>Maret/</b> <i>March</i>	133.5	117.5	137.5	131.0	137.7
<b>April/</b> <i>April</i>	127.2	131.3	126.7	131.6	107.5
<b>Mei/</b> <i>May</i>	140.0	154.1	131.1	102.5	127.1
<b>Juni/</b> <i>June</i>	139.2	137.7	130.4	98.4	138.6
<b>Juli/</b> <i>July</i>	161.4	153.6	147.2	123.3	159.6
<b>Agustus/</b> <i>August</i>	178.2	172.1	168.9	156.7	175.4
<b>September/</b> <i>September</i>	192.4	179.1	179.1	129.7	181.2
<b>Oktober/</b> <i>October</i>	201.6	183.7	201.2	148.4	194.9
<b>Nopember/</b> <i>November</i>	126.7	120.7	160.9	131.6	108.6
<b>Desember/</b> <i>December</i>	114.0	123.2	143.5	311.8	135.8
<b>Rata-rata/</b> <i>Average</i>	148.1	144.0	150.2	143.5	143.2

**Sumber : Stasiun Meteorologi Perak I Surabaya**  
*Source : Meteorological Station at Perak I Surabaya*