



**LAPORAN PEMANTAUAN KEMARAU
UNTUK SEMENANJUNG MALAYSIA
(BERDASARKAN ANALISIS HIDROLOGI)**

JANUARI 2014

**BAHAGIAN PENGURUSAN SUMBER AIR DAN HIDROLOGI
JABATAN PENGAIRAN DAN SALIRAN MALAYSIA**

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1. RINGKASAN

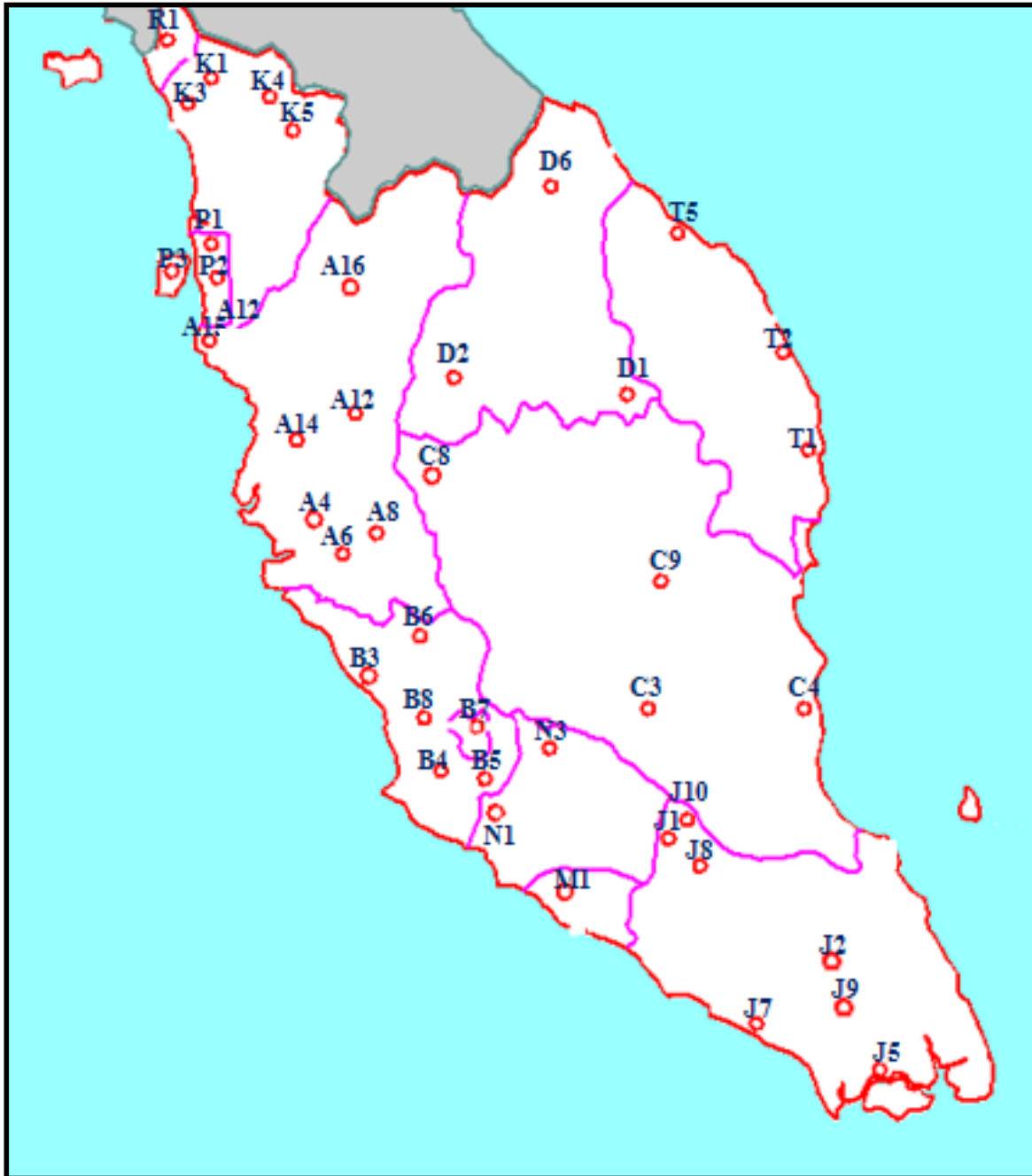
Sebanyak 41 stesen kemarau yang dipantau dalam analisis hujan untuk penyediaan Laporan Pemantauan Kemarau ini. Senarai stesen yang terlibat ditunjukkan dalam Jadual 1: Senarai 41 Stesen Kemarau di Semenanjung Malaysia seperti di bawah. Lokasi stesen yang terlibat adalah seperti dalam Rajah 1: 41 Stesen Kemarau di Semenanjung Malaysia (dibawah).

| Bil | Stn. Indeks | No. Stesen | Longitude | Latitude | Nama Stesen | Daerah | Negeri |
|-----|-------------|------------|-------------|------------|----------------------------------|----------------------|-------------|
| 1 | R1 | 6501005 | 100 10 55 | 06 30 20 | Abi Kg. Bahru | Kangar | Perlis |
| 2 | K1 | 6206035 | 100 36 45 | 06 15 15 | Kuala Nerang | Padang Terap | Kedah |
| 3 | K3 | 6103047 | 100 23 30 | 06 06 20 | Stor Jps. Alor Star | Kota Setar | Kedah |
| 4 | K4 | 6207032 | 100 46 20 | 06 14 25 | Ampang Pedu | Padang Terap | Kedah |
| 5 | K5 | 6108062 | 100 51 25 | 06 06 55 | Ampang Muda | Padang Terap | Kedah |
| 6 | P1 | 5505033 | 100 39 26 | 05 33 26 | Rumah Pam Pinang Tunggal | Seberang Perai Utara | Pulau |
| 7 | P2 | 5304045 | 100 28 32 | 05 22 32 | Pusat Kesihatan Bkt. Berapit | Seberang Perai | Pulau |
| 8 | P3 | 5302003 | 100 15 55 | 05 23 45 | Kolam Takongan Air Itam | Daerah Timur Laut | Pulau |
| 9 | A4 | 4109095 | 100 59 20 | 04 08 30 | Kg. Pulau Besar | Perak Tengah | Perak |
| 10 | A6 | 4011139 | 101 08 10 | 04 00 20 | Rumah JPS., Sg. Mengkuang | Hilir Perak | Perak |
| 11 | A8 | 4011144 | 101 10 20 | 04 02 50 | Rumah Kerajaan JPS., Chui Chak | Hilir Perak | Perak |
| 12 | A12 | 4511111 | 101 07 30 | 04 35 20 | Politeknik Ungku Omar di Ipoh | Kinta | Perak |
| 13 | A14 | 5006021 | 100 39 10 | 05 02 00 | Kolam Air Bkt. Merah | Kerian | Perak |
| 14 | A15 | 5003028 | 100 23 10 | 05 04 40 | Stn. Petak Ujian Tg. Piandang | Kerian | Perak |
| 15 | A16 | 5210069 | 101 03 30 | 05 17 55 | Stn. Pemeriksaan Hutan Lawin | Hulu Perak | Perak |
| 16 | B3 | 3411017 | 101 10 25 | 03 25 25 | Stor JPS Tg.Karang | Kuala Selangor | Selangor |
| 17 | B4 | 2917001 | 101 37 05 | 02 59 30 | RTM Kajang | Hulu Langat | Selangor |
| 18 | B5 | 2818110 | 101 52 13 | 02 53 55 | SMK Tasik Kesuma | Hulu Langat | Selangor |
| 19 | B6 | 3516022 | 101 27 05 | 03 34 35 | Loji Air Kuala Kubu Bahru | Hulu Selangor | Selangor |
| 20 | B7 | 3117070 | 101 45 00 | 03 09 20 | Pusat Penyelidikan di JPS | Wilayah Persekutuan | Selangor |
| 21 | B8 | 3010001 | 101 32 04 | 03 09 29 | Tmn Ehsan Kg. Melayu | Petaling | Selangor |
| 22 | N1 | 2719001 | 101 57 18 | 02 44 13.2 | Setor JPS Sikamat Seremban | Seremban | N. Sembilan |
| 23 | N3 | 3023098 | 102 21 57.3 | 03 05 2.9 | Sg. Lui Halt | Kuala Pilah | N. Sembilan |
| 24 | M1 | 2321006 | 102 11 35 | 02 21 50 | Ldg. Lendu | Alor Gajah | Melaka |
| 25 | J1 | 2526001 | 102 38 55 | 02 34 50.2 | Ldg. Sungai Gemas | Segamat | Johor |
| 26 | J2 | 2033002 | 103 19 30 | 02 01 10 | Stn. Telemetri Bandar Kluang | Kluang | Johor |
| 27 | J5 | 1437116 | 103 45 10 | 01 28 15 | Stor JPS Johor Bahru | Johor Bahru | Johor |
| 28 | J7 | 1829001 | 102 58 55 | 01 52 00 | Sek. Men. Munshi Sulaiman | Batu Pahat | Johor |
| 29 | J8 | 2528002 | 102 49 05 | 02 30 30 | Stn. Telemetri di Bandar Segamat | Segamat | Johor |
| 30 | J9 | 2536168 | 103 40 10 | 02 35 10 | Empangan Labong, Endau | Mersing | Johor |
| 31 | J10 | 2527004 | 102 43 10 | 02 35 10 | Ldg. Paya Lang, Segamat | Segamat | Johor |
| 32 | C3 | 3424081 | 102 25 35 | 03 26 20 | JPS Temerloh | Temerloh | Pahang |
| 33 | C4 | 3533102 | 103 21 25 | 03 33 40 | Rumah Pam Pahang Tua di Pekan | Pekan | Pahang |
| 34 | C8 | 4414036 | 101 25 30 | 04 27 05 | Ldg. Boh (Kawasan Kilang) | Cameron Highlands | Pahang |
| 35 | C9 | 3930012 | 103 02 10 | 03 55 00 | Sg. Lembing P.C.C.L Mill | Kuantan | Pahang |
| 36 | T1 | 4234109 | 103 25 20 | 04 13 55 | JPS Kemaman | Kemaman | Terengganu |
| 37 | T2 | 4734079 | 103 25 10 | 04 45 45 | Sek. Men. Sultan Omar di Dungun | Dungun | Terengganu |
| 38 | T5 | 5331048 | 103 08 00 | 05 19 05 | Setor JPS Kuala Terengganu | Kuala Terengganu | Terengganu |
| 39 | D1 | 4726001 | 102 39 20 | 04 45 25 | Gunung Gagau | Gua Musang | Kelantan |
| 40 | D2 | 4819027 | 101 58 10 | 04 52 45 | Gua Musang | Gua Musang | Kelantan |
| 41 | D6 | 5921009 | 102 08 15 | 05 58 10 | Ibu Bekalan To' Uban | Pasir Mas | Kelantan |

Jadual 1: Senarai 41 Stesen Kemarau di Semenanjung Malaysia

NOTA :- *Stesen J8 (2528002) ditutup sementara waktu sebab rosak dan analisa bulan ini diambil data Long Term

Rajah 1: Lokasi 41 Stesen Kemarau di Semenanjung Malaysia.



Jadual 2: Purata Hujan Bulan Januari 2014

| INDEKS STESEN | JUMLAH HUJAN (MM) | | | | |
|------------------|-------------------|----------|-----------|------------|-------|
| | Minggu 1 | Minggu 2 | Minggu 3 | Minggu 4 | (mm) |
| | 1hb-7hb | 8hb-14hb | 15hb-21hb | 22hb- 31hb | |
| R1 | 2.0 | 9.0 | 0.0 | 0.0 | 11.0 |
| K1 | 7.0 | 0.0 | 0.0 | 0.0 | 7.0 |
| K3 | 5.0 | 18.0 | 0.0 | 0.0 | 23.0 |
| K4 | 5.5 | 26.5 | 0.0 | 0.0 | 32.0 |
| K5 | 10.0 | 19.0 | 0.0 | 0.0 | 29.0 |
| P1 | 6.5 | 15.0 | 1.0 | 0.0 | 22.5 |
| P2 | 7.5 | 53.0 | 2.5 | 16.0 | 79.0 |
| P3 | 8.0 | 21.5 | 13.0 | 29.5 | 72.0 |
| A4 | 106.0 | 107.0 | 30.0 | 1.5 | 244.5 |
| A6 | 50.0 | 92.5 | 16.0 | 1.5 | 160.0 |
| A8 | 124.0 | 37.0 | 17.5 | 11.5 | 190.0 |
| A12 | 25.0 | 66.0 | 116.0 | 20.0 | 227.0 |
| A14 | 124.5 | 77.0 | 0.0 | 0.0 | 201.5 |
| A15 | 33.0 | 36.5 | 0.0 | 1.5 | 71.0 |
| A16 | 0.5 | 26.0 | 0.5 | 0.0 | 27.0 |
| B3 | 25.0 | 82.0 | 0.5 | 0.0 | 107.5 |
| B4 | 64.5 | 38.5 | 1.5 | 0.0 | 104.5 |
| B5 | 52.0 | 30.0 | 0.0 | 0.0 | 82.0 |
| B6 | 49.0 | 12.5 | 0.0 | 0.0 | 61.5 |
| B7 | 167.0 | 21.0 | 0.0 | 0.0 | 188.0 |
| B8 | 107.0 | 62.0 | 22.5 | 0.0 | 191.5 |
| N1 | 9.0 | 18.0 | 0.0 | 0.0 | 27.0 |
| N3 | 4.5 | 51.5 | 1.0 | 0.0 | 57.0 |
| M1 | 14.0 | 1.0 | 0.0 | 0.0 | 15.0 |
| J1 | 0.0 | 18.0 | 0.0 | 0.0 | 18.0 |
| J2 | 15.0 | 2.5 | 0.0 | 0.0 | 17.5 |
| J5 | 120.0 | 12.0 | 0.0 | 0.0 | 132.0 |
| J7 | 76.0 | 0.0 | 0.0 | 0.0 | 76.0 |
| J8 | | | | | 177.0 |
| J9 | 426.5 | 48.0 | 1.5 | 0.0 | 476.0 |
| J10 | 10.0 | 14.0 | 0.0 | 0.0 | 24.0 |
| C3 | 10.0 | 0.5 | 0.0 | 28.0 | 38.5 |
| C4 | 82.5 | 207.0 | 3.0 | 38.0 | 330.5 |
| C8 | 21.5 | 58.5 | 3.5 | 3.0 | 86.5 |
| C9 | 45.0 | 164.0 | 0.0 | 2.0 | 211.0 |
| D1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| D2 | 18.0 | 104.0 | 0.0 | 0.0 | 122.0 |
| D6 | 22.5 | 278.0 | 0.0 | 2.5 | 303.0 |
| T1 | 32.0 | 207.0 | 5.0 | 0.0 | 244.0 |
| T2 | 10.0 | 118.0 | 0.0 | 1.0 | 129.0 |
| T5 | 7.0 | 98.0 | 0.0 | 5.0 | 110.0 |
| | | | | | 115.3 |

Rumusan Data

Secara ringkasannya, purata keseluruhan jumlah hujan pada bulan Januari 2014 adalah sebanyak **115.3 mm** sebagaimana Jadual 2. Jumlah purata hujan Januari 2014 adalah didapati telah berkurangan iaitu sebanyak (**-222.6 mm**) iaitu (**193 %**) berbanding dengan jumlah purata hujan bulan Disember 2013 seperti Jadual 3 di bawah. Manakala kumulatif 3 bulan sebenar dengan kumulatif 3 bulan (*Long Term Mean rainfall, LTM*) ada pengurangan hujan sebanyak (**-1.2 mm**) iaitu sebanyak (**-1.1 %**) seperti Jadual 4 dan rajah 3 di bawah.

Jadual 3: Peratus Perbezaan Purata Hujan Bulanan Semasa dengan Bulan sebelum

| PURATA HUJAN (MM) | | | |
|-------------------|---------|-----------|-------------|
| DISEMBER | JANUARI | PERBEZAAN | % PERBEZAAN |
| 337.9 | 115.3 | -222.6 | -193.0 |

Jadual 4: Peratus Perbezaan Kumulatif 3 bulan sebenar (Bulan Semasa + 2 Bulan kebelakang) dengan Kumulatif 3 bulan (*Long Term Mean rainfall, LTM*)

| PURATA HUJAN (MM) | | | |
|---------------------------|-----------------------|-----------|-------------|
| Kumulatif 3 bulan SEBENAR | Kumulatif 3 bulan LTM | PERBEZAAN | % PERBEZAAN |
| 733.6 | 734.8 | -1.2 | -1.1 |

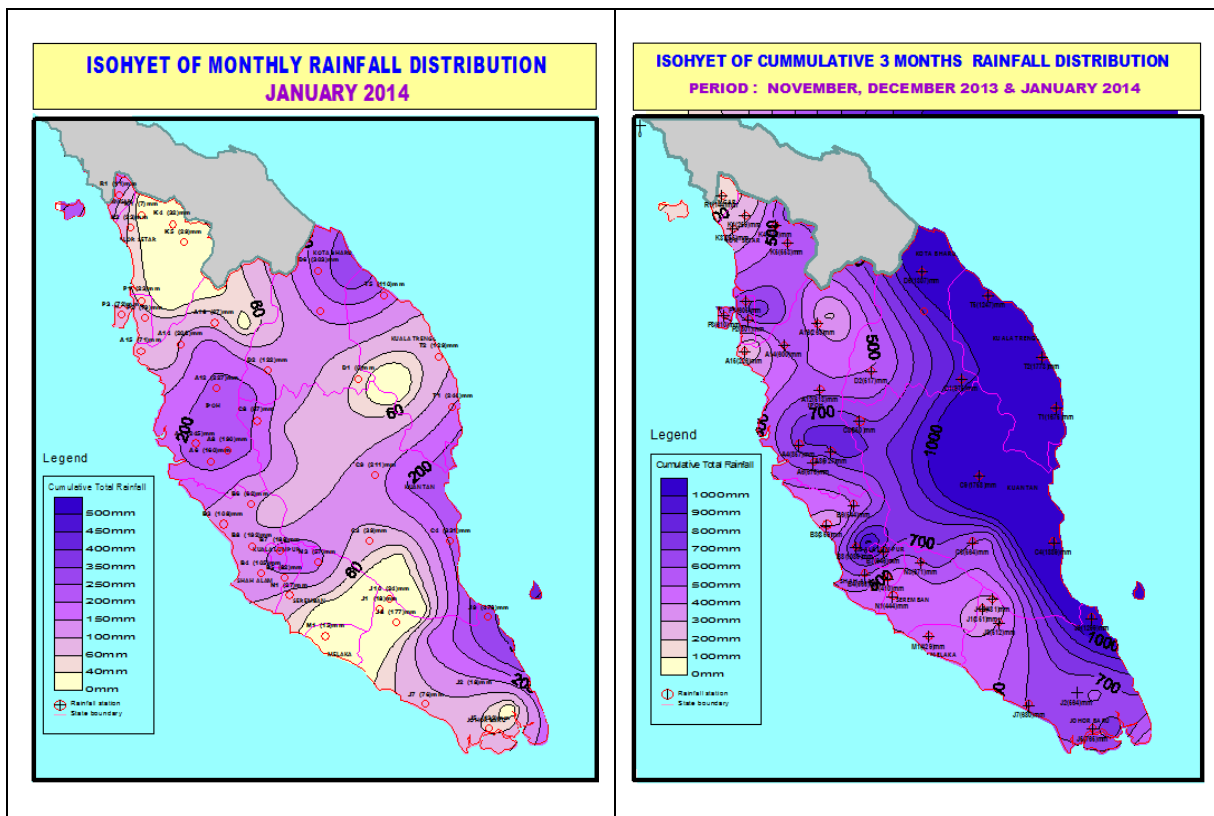
2. ANALISIS HUJAN (Berpandukan Data dan Peta Isohyet)

i. Taburan Hujan Bulan Semasa

Peta Isohyet ini adalah bertujuan untuk menggambarkan taburan keadaan hujan semasa bagi bulan Januari 2014 seperti di rajah 2 (di bawah) . Taburan hujan bagi Semenanjung Malaysia ialah purata **115.3 mm**. Pengurangan sebanyak (**-222.6 mm**) iaitu (**-193.0 %**) berbanding dengan jumlah purata hujan bulan Disember 2013 (sila rujuk Jadual 3).

ii. Taburan Hujan Kumulatif untuk 3 bulan

Peta Isohyet ini adalah bertujuan untuk menggambarkan taburan hujan kumulatif untuk 3 bulan sebenar (**733.6 mm**) iaitu (Bulan Semasa + 2 Bulan kebelakang)seperti di rajah 3 (di bawah) jika dibandingkan dengan kumulatif 3 bulan LTM (**734.8 mm**) ada pengurangan hujan sebanyak (**-1.2 mm**) iaitu (**-1.1 %**). (Sila rujuk Jadual 4)



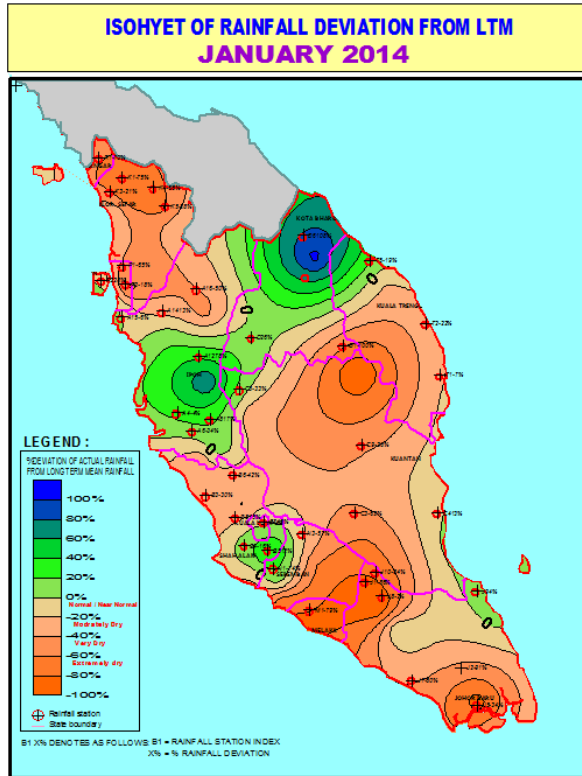
Rajah 2: Taburan Hujan Bulan Januari 2014

Rajah 3: Taburan Hujan Kumulatif 3 Bulan

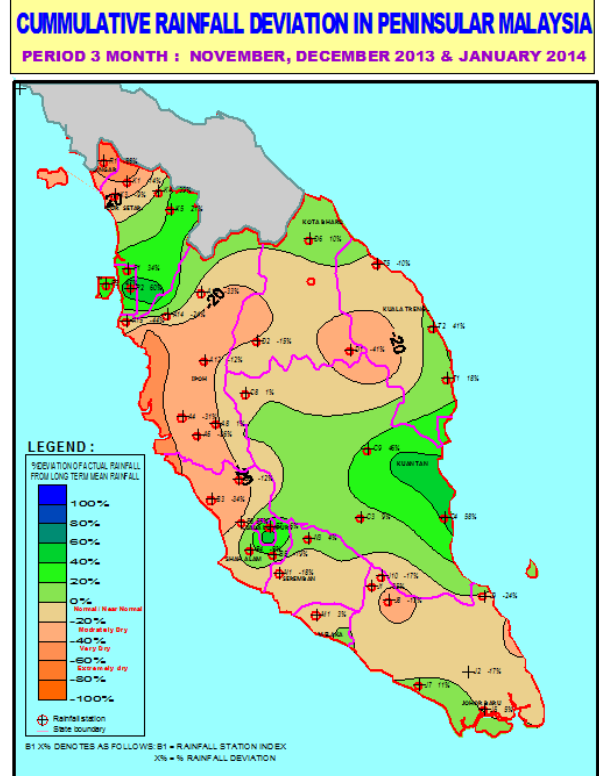
Jadual 5: Peratusan Perbandingan Hujan Januari 2014 dan Hujan Jangka Panjang (LTM).

| NO. | INDEKS STESEN | HUJAN SEMASA | HUJAN JANGKA PANJANG (LTM) | PERBEZAAN (MM) | % PERBEZAAN |
|-----|---------------|--------------|----------------------------|----------------|---------------|
| 1 | R1 | 11.0 | 36.9 | -25.93 | -70.21 |
| 2 | K1 | 7.0 | 27.7 | -20.71 | -74.74 |
| 3 | K3 | 23.0 | 29.0 | -6.00 | -20.69 |
| 4 | K4 | 32.0 | 94.8 | -62.80 | -66.24 |
| 5 | K5 | 29.0 | 40.6 | -11.55 | -28.48 |
| 6 | P1 | 22.5 | 64.8 | -42.33 | -65.29 |
| 7 | P2 | 79.0 | 96.2 | -17.25 | -17.92 |
| 8 | P3 | 72.0 | 56.2 | 15.84 | 28.21 |
| 9 | A4 | 244.5 | 254.0 | -9.50 | -3.74 |
| 10 | A6 | 160.0 | 240.9 | -80.85 | -33.57 |
| 11 | A8 | 190.0 | 162.0 | 28.00 | 17.28 |
| 12 | A12 | 227.0 | 127.2 | 99.80 | 78.46 |
| 13 | A14 | 201.5 | 179.0 | 22.48 | 12.56 |
| 14 | A15 | 71.0 | 75.6 | -4.60 | -6.09 |
| 15 | A16 | 27.0 | 53.5 | -26.54 | -49.57 |
| 16 | B3 | 107.5 | 153.3 | -45.79 | -29.87 |
| 17 | B4 | 104.5 | 123.7 | -19.21 | -15.53 |
| 18 | B5 | 82.0 | 73.1 | 8.93 | 12.22 |
| 19 | B6 | 61.5 | 105.2 | -43.68 | -41.53 |
| 20 | B7 | 188.0 | 129.6 | 58.39 | 45.05 |
| 21 | B8 | 191.5 | 167.1 | 24.36 | 14.57 |
| 22 | N1 | 27.0 | 104.0 | -77.01 | -74.04 |
| 23 | N3 | 57.0 | 133.9 | -76.92 | -57.44 |
| 24 | M1 | 15.0 | 72.0 | -57.05 | -79.18 |
| 25 | J1 | 18.0 | 130.6 | -112.62 | -86.22 |
| 26 | J2 | 17.5 | 184.8 | -167.34 | -90.53 |
| 27 | J5 | 132.0 | 199.7 | -67.69 | -33.90 |
| 28 | J7 | 76.0 | 152.2 | -76.22 | -50.07 |
| 29 | J8 | 177.0 | 180.8 | -3.81 | -2.11 |
| 30 | J9 | 476.0 | 458.5 | 17.46 | 3.81 |
| 31 | J10 | 24.0 | 149.8 | -125.81 | -83.98 |
| 32 | C3 | 38.5 | 103.1 | -64.60 | -62.66 |
| 33 | C4 | 330.5 | 291.7 | 38.83 | 13.31 |
| 34 | C8 | 86.5 | 129.4 | -42.87 | -33.14 |
| 35 | C9 | 211.0 | 291.7 | -80.68 | -27.66 |
| 36 | D1 | 0.0 | 348.3 | -348.26 | -100.00 |
| 37 | D2 | 122.0 | 115.5 | 6.50 | 5.63 |
| 38 | D6 | 303.0 | 145.8 | 157.20 | 107.83 |
| 39 | T1 | 244.0 | 262.7 | -18.67 | -7.11 |
| 40 | T2 | 129.0 | 165.4 | -36.39 | -22.00 |
| 41 | T5 | 110.0 | 136.5 | -26.54 | -19.43 |
| | PURATA | 115.3 | 147.5 | -32.23 | -21.85 |

**Rajah 4: Pelan Isohyet
(Peratusan Perbandingan Hujan November dan LTM)**



**Rajah 5: Pelan Isohyet
(Peratusan perbandingan Hujan Kumulatif 3 bulan dengan LTM)**



iii. Peratusan Perbandingan Purata Hujan November dengan LTM

Analisis berdasarkan jumlah hujan satu bulan, iaitu purata hujan bulan **Januari 2014** berbanding dengan purata hujan jangka panjang **bulan Januari (Long Term Mean rainfall, LTM)** telah menunjukkan bahawa terdapat pengurangan sebanyak (**-32.23 mm**), iaitu (**-21.85 %**). Daripada 41 stesen kemarau yang dipantau. **Lima belas (15)** stesen merekodkan defisit hujan melebihi **-35%**. Sila rujuk Jadual 5 dan Peta Isohyet (Rajah 4) di atas bagi analisis ini.

iv. Peratusan perbandingan Hujan Kumulatif 3 bulan dengan LTM

Analisis berdasarkan jumlah hujan kumulatif tiga bulan, iaitu purata hujan bulan November, Disember 2013 dan Januari 2014 berbanding dengan hujan jangka panjang 3 bulan kumulatif (*Long Term Mean rainfall, LTM*) telah menunjukkan **kawasan kering** adalah di **Perlis (Kangar)**, **Perak (Kerian)**, **Johor (Segamat)** dan **Kelantan (Gua Musang)** seperti Peta Isohyet (rajah 5) di atas.

v. Analisis Berdasarkan Jumlah Hujan 3 Bulan (*Moving 3 Months Analysis*)

Analisis Hujan 3 Bulan dijalankan bertujuan untuk meramalkan kebarangkalian berlaku kemarau di Semenanjung Malaysia dengan membandingkan keadaan hujan semasa dengan purata hujan jangka panjang bagi 3 bulan bergerak.

Bagi bulan Januari 2014, Analisis Hujan 3 Bulan dijalankan dengan mengambil data bagi bulan-bulan berikut:

- i. Analisis 1 : November, Disember 2013 dan Januari 2014
- ii. Analisis 2 : Disember 2013, Januari dan Februari 2014
- iii. Analisis 3 : Januari, Februari dan March 2014

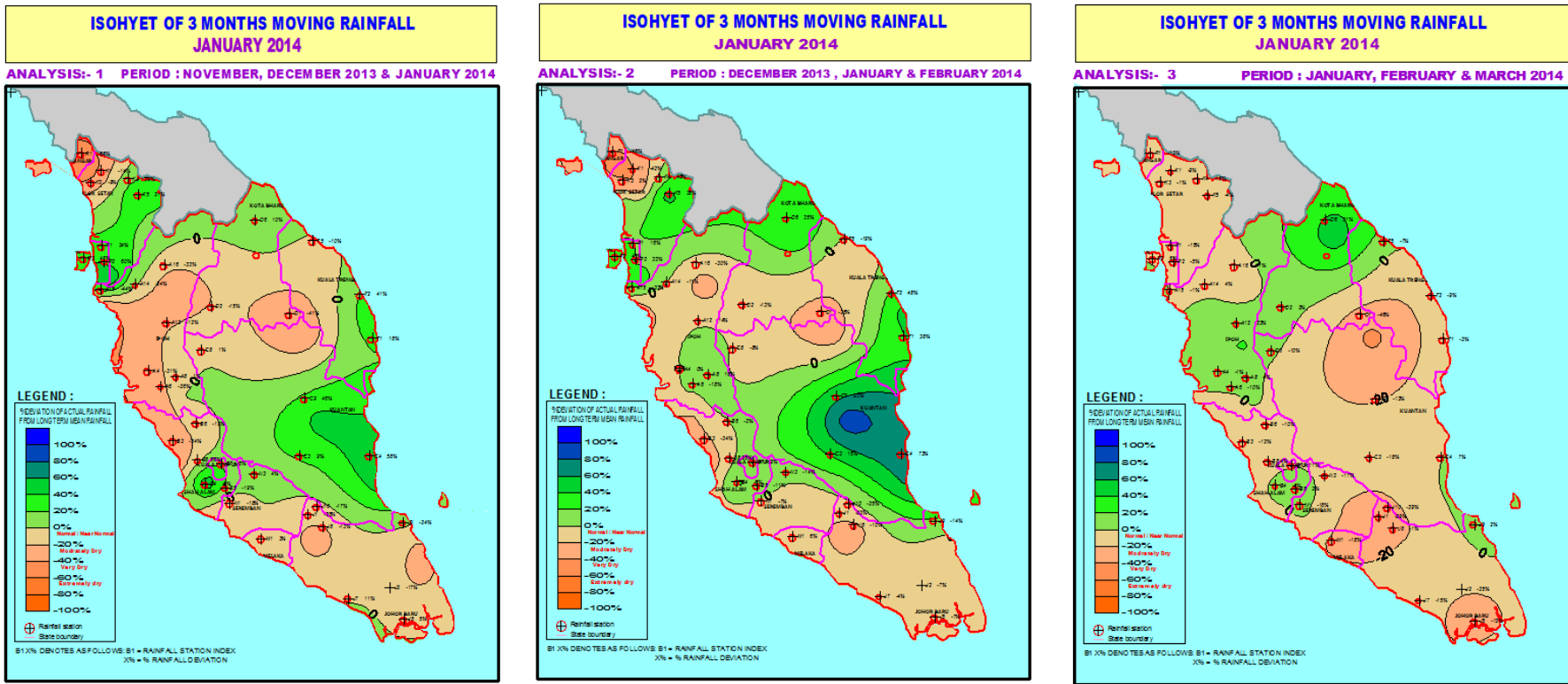
Bagi Analisis 1, data hujan semasa bagi ketiga-tiga bulan terlibat adalah digunapakai. Bagi Analisis 2 dan 3 pula, oleh kerana pada bulan Januari 2014, data hujan semasa bagi bulan Februari dan March 2014 masih belum dapat diperolehi, maka data purata hujan jangka panjang digunakan dalam analisis- analisis ini.

Setiap analisis seperti di atas terbahagi kepada tiga senario seperti berikut:

- iv. Senario 1 : Andaian Hujan Normal Untuk Tiga Bulan
- v. Senario 2 : Andaian Penambahan (+20%) Kepada Purata Hujan Jangka Panjang
- vi. Senario 3 : Andaian Pengurangan (-20%) Kepada Purata Hujan Jangka Panjang

Keputusan analisis hujan 3 bulan untuk bulan Januari 2014 bagi ketiga-tiga senario adalah sepertimana ditunjukkan dalam peta isohyet analisis hujan 3 bulan dari Rajah 6 - Rajah 8 dan jadual pengiraan analisis ketiga-tiga senario ini ditunjukkan dalam Jadual 6 - Jadual 14.

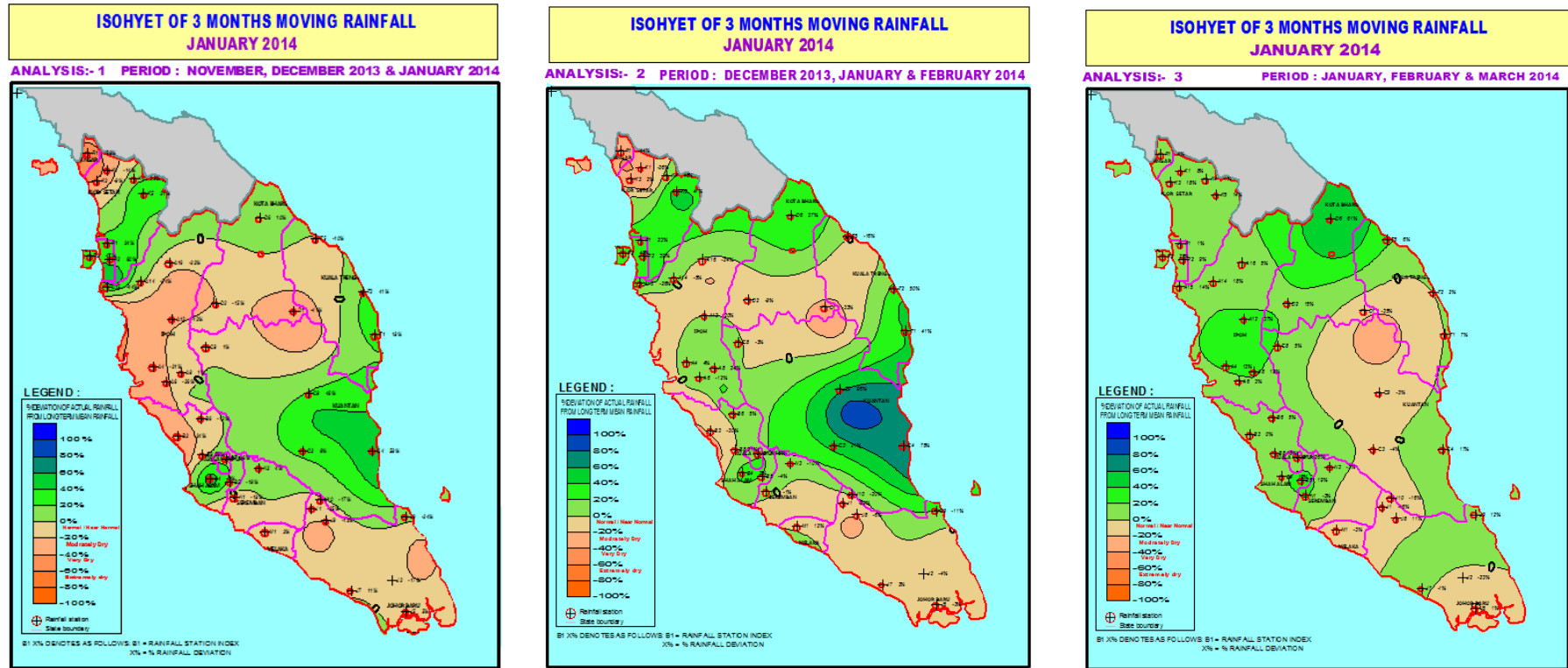
**Rajah 6 : Peta Isohyet Analisis Hujan 3 Bulan : Senario 1-Andaian Hujan Normal untuk 3 bulan
 Analisis Berdasarkan Jumlah Hujan 3 Bulan (November, Disember 2013, Januari, Februari LT dan March LT 2014)**



Berdasarkan peta Isohyet bagi Senario 1, keputusan seperti di bawah adalah dirumuskan:

- i. Analisis 1 (bulan November, Disember 2013 dan Januari LT 2014) menunjukkan keadaan kering berlaku di stesen berindeks R1, A15, J1 dan D1 pada bulan Januari 2014.
- ii. Analisis 2 (bulan Disember 2013, Januari dan Februari LT 2014) meramalkan kebarangkalian berlaku keadaan kering di stesen berindeks R1, K1 dan D1 pada bulan Februari 2014.
- iii. Analisis 3 (bulan Januari, Februari dan March LT 2014) meramalkan kebarangkalian berlaku keadaan kering di stesen berindeks J2 dan D1 pada bulan March 2014.

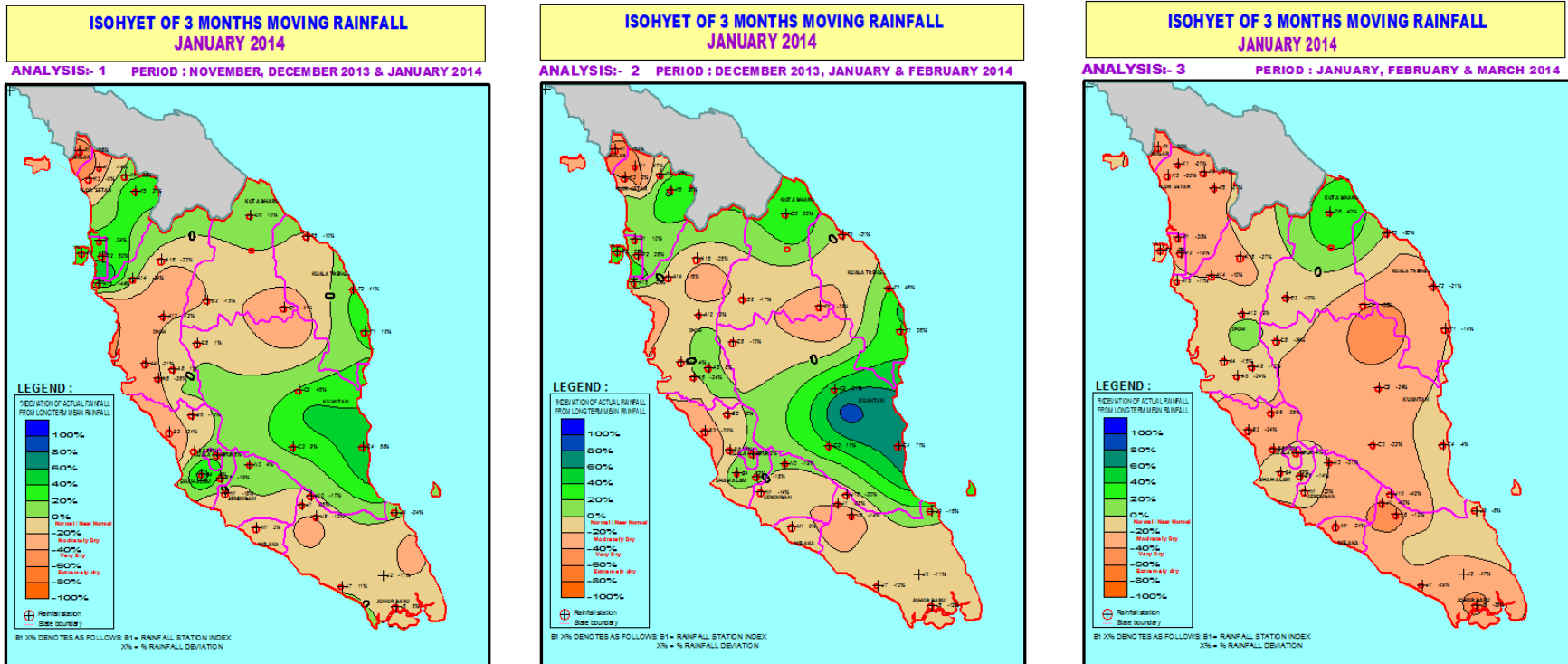
Rajah 7 : Peta Isohyet Analisis Hujan 3 Bulan : Senario 2— Andaian Penambahan Hujan 20% Kepada LTM
 Analisis Berdasarkan Jumlah Hujan 3 Bulan (November, Disember 2013, Januari, Februari LT dan March LT 2014)



Berdasarkan peta Isohyet bagi Senario 2, keputusan seperti di bawah adalah dirumuskan:

- i. Analisis 1 (bulan November, Disember 2013 dan Januari LT 2014) menunjukkan keadaan kering berlaku di stesen berindeks R1, A15, J1 dan D1 pada bulan Januari 2014.
- ii. Analisis 2 (bulan Disember 2013, Januari dan Februari LT 2014) meramalkan kebarangkalian berlaku keadaan kering di stesen berindeks R1 dan K1 pada bulan Februari 2014.
- iii. Analisis 3 (bulan Januari, Februari dan March LT 2014) meramalkan kebarangkalian berlaku keadaan kering di stesen berindeks D1 pada bulan March 2014.

Rajah 8: Peta Isohyet Analisis Hujan 3 Bulan : Senario 3- Andaian Pengurangan Hujan 20% Kepada LTM Analisis Berdasarkan Jumlah Hujan 3 Bulan (November, Disember 2013, Januari, Februari LT dan March LT 2014)



Berdasarkan peta Isohyet bagi Senario 3, keputusan seperti di bawah adalah dirumuskan:

- i. Analisis 1 (bulan November, Disember 2013 dan Januari LT 2014) menunjukkan keadaan kering berlaku di stesen berindeks R1, A15, J1 dan D1 pada bulan Januari 2014.
- ii. Analisis 2 (bulan Disember 2013, Januari dan Februari LT 2014) meramalkan kebarangkalian berlaku keadaan kering di stesen berindeks R1, K1, A15, A16, B3, J1 dan D1 pada bulan Februari 2014.
- iii. Analisis 3 (bulan Januari, Februari dan March LT 2014) meramalkan kebarangkalian berlaku keadaan kering di stesen berindeks J1, J2, J10 dan D1 pada bulan March 2014.

Jadual 6 : Hujan 3 Bulan November, Disember 2013 dan Januari 2014 : Senario 1 (Analisis 1)

| No | Station ID | Indeks Stesen | Nov 2013 | Dis 2013 | Jan 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan 'Long Term' 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|----------|----------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 96.0 | 37.0 | 11.0 | 144.00 | 341.3 | -197.3 | -58 |
| 2 | 6206035 | K1 | 209.5 | 42.5 | 7.0 | 259.00 | 301.5 | -42.5 | -14 |
| 3 | 6103047 | K3 | 163.5 | 68.5 | 23.0 | 255.00 | 281.5 | -26.5 | -9 |
| 4 | 6207032 | K4 | 291.5 | 319.5 | 32.0 | 643.00 | 462.7 | 180.3 | 39 |
| 5 | 6108062 | K5 | 266.0 | 258.0 | 29.0 | 553.00 | 456.3 | 96.7 | 21 |
| 6 | 5505033 | P1 | 372.0 | 210.0 | 22.5 | 604.50 | 450.0 | 154.5 | 34 |
| 7 | 5304045 | P2 | 451.5 | 270.0 | 79.0 | 800.50 | 501.4 | 299.1 | 60 |
| 8 | 5302003 | P3 | 342.5 | 195.0 | 72.0 | 609.50 | 415.7 | 193.8 | 47 |
| 9 | 4109095 | A4 | 259.0 | 353.5 | 244.5 | 857.00 | 1250.0 | -393.0 | -31 |
| 10 | 4011139 | A6 | 256.5 | 259.0 | 160.0 | 675.50 | 910.8 | -235.3 | -26 |
| 11 | 4011144 | A8 | 380.5 | 356.5 | 190.0 | 927.00 | 919.0 | 8.0 | 1 |
| 12 | 4511111 | A12 | 136.0 | 149.5 | 227.0 | 512.50 | 579.4 | -66.9 | -12 |
| 13 | 5006021 | A14 | 222.0 | 176.5 | 201.5 | 600.00 | 794.4 | -194.4 | -24 |
| 14 | 5003028 | A15 | 124.5 | 30.5 | 71.0 | 226.00 | 401.0 | -175.0 | -44 |
| 15 | 5210069 | A16 | 164.0 | 72.0 | 27.0 | 263.00 | 391.9 | -128.9 | -33 |
| 16 | 3411017 | B3 | 168.5 | 82.5 | 107.5 | 358.50 | 546.8 | -188.3 | -34 |
| 17 | 2917001 | B4 | 267.0 | 193.5 | 104.5 | 565.00 | 621.8 | -56.8 | -9 |
| 18 | 2818110 | B5 | 207.5 | 120.5 | 82.0 | 410.00 | 505.4 | -95.4 | -19 |
| 19 | 3516022 | B6 | 259.0 | 223.0 | 61.5 | 543.50 | 617.3 | -73.8 | -12 |
| 20 | 3117070 | B7 | 277.2 | 180.5 | 188.0 | 645.70 | 607.1 | 38.6 | 6 |
| 21 | 3115180 | B8 | 533.0 | 355.0 | 191.5 | 1079.50 | 691.0 | 388.5 | 56 |
| 22 | 2719001 | N1 | 209.0 | 208.0 | 27.0 | 444.00 | 542.6 | -98.6 | -18 |
| 23 | 3023098 | N3 | 362.0 | 252.0 | 57.0 | 671.00 | 642.2 | 28.8 | 4 |
| 24 | 2321006 | M1 | 223.0 | 190.5 | 15.0 | 428.50 | 415.4 | 13.1 | 3 |
| 25 | 2526001 | J1 | 161.0 | 171.5 | 18.0 | 350.50 | 540.1 | -189.6 | -35 |
| 26 | 2033001 | J2 | 163.0 | 383.0 | 17.5 | 563.50 | 676.4 | -112.9 | -17 |
| 27 | 1437116 | J5 | 329.5 | 303.5 | 132.0 | 765.00 | 725.3 | 39.7 | 5 |
| 28 | 1829001 | J7 | 322.5 | 281.5 | 76.0 | 680.00 | 614.7 | 65.3 | 11 |
| 29 | 2528002 | J8 | 171.0 | 164.0 | 177.0 | 512.00 | 587.7 | -75.7 | -13 |
| 30 | 2536168 | J9 | 233.5 | 589.0 | 476.0 | 1298.50 | 1713.1 | -414.6 | -24 |
| 31 | 2527004 | J10 | 233.5 | 223.0 | 24.0 | 480.50 | 581.8 | -101.3 | -17 |
| 32 | 3424081 | C3 | 186.0 | 339.5 | 38.5 | 564.00 | 518.5 | 45.5 | 9 |
| 33 | 3533102 | C4 | 315.5 | 1242.5 | 330.5 | 1888.50 | 1193.5 | 695.0 | 58 |
| 34 | 4414036 | C8 | 338.5 | 224.5 | 86.5 | 649.50 | 641.9 | 7.6 | 1 |
| 35 | 3930012 | C9 | 116.0 | 1431.0 | 211.0 | 1758.00 | 1203.5 | 554.5 | 46 |
| 36 | 4726001 | D1 | 357.0 | 618.0 | 0.0 | 975.00 | 1638.7 | -663.7 | -41 |
| 37 | 4819027 | D2 | 227.0 | 168.0 | 122.0 | 517.00 | 606.7 | -89.7 | -15 |
| 38 | 5921009 | D6 | 355.0 | 649.0 | 303.0 | 1307.00 | 1183.5 | 123.5 | 10 |
| 39 | 4234109 | T1 | 381.0 | 1050.0 | 244.0 | 1675.00 | 1413.7 | 261.3 | 18 |
| 40 | 4734079 | T2 | 674.0 | 970.0 | 129.0 | 1773.00 | 1261.3 | 511.7 | 41 |
| 41 | 5331048 | T5 | 696.0 | 441.0 | 110.0 | 1247.00 | 1381.8 | -134.8 | -10 |
| | MEAN | | 280.5 | 337.9 | 115.3 | 733.6 | 734.8 | -1.2 | -1.1 |

Jadual 7 : Hujan 3 Bulan Disember 2013, Januari dan Februari LT 2014 : Senario 1 (Analisis 2)

| No | Station ID | Indeks Stesen | Dis 2013 | Jan LT 2014 | Feb LT 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan 'Long Term' 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|-------------|-------------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 37.0 | 11.0 | 41.9 | 89.91 | 174.5 | -84.6 | -48 |
| 2 | 6206035 | K1 | 42.5 | 7.0 | 47.5 | 96.96 | 166.0 | -69.0 | -42 |
| 3 | 6103047 | K3 | 68.5 | 23.0 | 0.6 | 92.10 | 90.1 | 2.0 | 2 |
| 4 | 6207032 | K4 | 319.5 | 32.0 | 3.7 | 355.20 | 244.2 | 111.0 | 45 |
| 5 | 6108062 | K5 | 258.0 | 29.0 | 91.4 | 378.43 | 281.0 | 97.4 | 35 |
| 6 | 5505033 | P1 | 210.0 | 22.5 | 85.6 | 318.07 | 273.4 | 44.6 | 16 |
| 7 | 5304045 | P2 | 270.0 | 79.0 | 92.1 | 441.10 | 330.7 | 110.4 | 33 |
| 8 | 5302003 | P3 | 195.0 | 72.0 | 74.9 | 341.86 | 241.9 | 100.0 | 41 |
| 9 | 4109095 | A4 | 353.5 | 244.5 | 148.0 | 746.00 | 744.5 | 1.5 | 0 |
| 10 | 4011139 | A6 | 259.0 | 160.0 | 238.7 | 657.69 | 801.4 | -143.7 | -18 |
| 11 | 4011144 | A8 | 356.5 | 190.0 | 293.0 | 839.50 | 724.5 | 115.0 | 16 |
| 12 | 4511111 | A12 | 149.5 | 227.0 | 119.5 | 496.03 | 434.0 | 62.1 | 14 |
| 13 | 5006021 | A14 | 176.5 | 201.5 | 180.2 | 558.15 | 624.9 | -66.7 | -11 |
| 14 | 5003028 | A15 | 30.5 | 71.0 | 96.6 | 198.07 | 295.4 | -97.3 | -33 |
| 15 | 5210069 | A16 | 72.0 | 27.0 | 72.1 | 171.07 | 242.7 | -71.6 | -30 |
| 16 | 3411017 | B3 | 82.5 | 107.5 | 98.7 | 288.68 | 440.3 | -151.6 | -34 |
| 17 | 2917001 | B4 | 193.5 | 104.5 | 172.0 | 470.00 | 496.6 | -26.6 | -5 |
| 18 | 2818110 | B5 | 120.5 | 82.0 | 123.8 | 326.26 | 366.4 | -40.2 | -11 |
| 19 | 3516022 | B6 | 223.0 | 61.5 | 133.6 | 418.07 | 425.4 | -7.3 | -2 |
| 20 | 3117070 | B7 | 180.5 | 188.0 | 176.9 | 545.37 | 498.9 | 46.5 | 9 |
| 21 | 3115180 | B8 | 355.0 | 191.5 | 178.5 | 724.97 | 582.1 | 142.8 | 25 |
| 22 | 2719001 | N1 | 208.0 | 27.0 | 123.5 | 358.47 | 386.6 | -28.2 | -7 |
| 23 | 3023098 | N3 | 252.0 | 57.0 | 108.4 | 417.40 | 488.1 | -70.7 | -14 |
| 24 | 2321006 | M1 | 190.5 | 15.0 | 80.6 | 286.09 | 271.0 | 15.1 | 6 |
| 25 | 2526001 | J1 | 171.5 | 18.0 | 94.8 | 284.25 | 427.4 | -143.2 | -33 |
| 26 | 2033001 | J2 | 383.0 | 17.5 | 100.8 | 501.35 | 541.7 | -40.4 | -7 |
| 27 | 1437116 | J5 | 303.5 | 132.0 | 138.4 | 573.86 | 619.9 | -46.0 | -7 |
| 28 | 1829001 | J7 | 281.5 | 76.0 | 164.6 | 522.10 | 544.2 | -22.1 | -4 |
| 29 | 2528002 | J8 | 164.0 | 177.0 | 96.1 | 437.14 | 486.4 | -49.3 | -10 |
| 30 | 2536168 | J9 | 589.0 | 476.0 | 215.1 | 1280.15 | 1480.7 | -200.5 | -14 |
| 31 | 2527004 | J10 | 223.0 | 24.0 | 118.4 | 365.39 | 485.4 | -120.0 | -25 |
| 32 | 3424081 | C3 | 339.5 | 38.5 | 102.7 | 480.66 | 414.4 | 66.3 | 16 |
| 33 | 3533102 | C4 | 1242.5 | 330.5 | 112.6 | 1685.60 | 974.8 | 710.8 | 73 |
| 34 | 4414036 | C8 | 224.5 | 86.5 | 118.5 | 429.55 | 466.2 | -36.6 | -8 |
| 35 | 3930012 | C9 | 1431.0 | 211.0 | 114.3 | 1756.30 | 909.5 | 846.8 | 93 |
| 36 | 4726001 | D1 | 618.0 | 0.0 | 185.8 | 803.84 | 1258.3 | -454.5 | -36 |
| 37 | 4819027 | D2 | 168.0 | 122.0 | 79.0 | 369.01 | 424.0 | -55.0 | -13 |
| 38 | 5921009 | D6 | 649.0 | 303.0 | 80.8 | 1032.80 | 763.5 | 269.3 | 35 |
| 39 | 4234109 | T1 | 1050.0 | 244.0 | 105.2 | 1399.16 | 1010.7 | 388.4 | 38 |
| 40 | 4734079 | T2 | 970.0 | 129.0 | 70.4 | 1169.38 | 788.9 | 380.5 | 48 |
| 41 | 5331048 | T5 | 441.0 | 110.0 | 90.9 | 641.95 | 788.6 | -146.6 | -19 |
| | MEAN | | 337.9 | 115.3 | 116.3 | 569.5 | 536.8 | 32.7 | 2.8 |

Jadual 8 : Hujan 3 Bulan Januari, Februari dan March LT 2014 : Senario 1 (Analisis 3)

| No | Station ID | Indeks Stesen | Jan LT 2014 | Feb LT 2014 | Mar LT 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan 'Long Term' 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|-------------|-------------|-------------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 11.0 | 41.9 | 128.0 | 180.96 | 206.9 | -25.9 | -13 |
| 2 | 6206035 | K1 | 7.0 | 47.5 | 146.9 | 201.38 | 222.1 | -20.7 | -9 |
| 3 | 6103047 | K3 | 23.0 | 0.6 | 470.5 | 494.10 | 500.1 | -6.0 | -1 |
| 4 | 6207032 | K4 | 32.0 | 3.7 | 296.0 | 331.70 | 394.5 | -62.8 | -16 |
| 5 | 6108062 | K5 | 29.0 | 91.4 | 181.3 | 301.72 | 313.3 | -11.6 | -4 |
| 6 | 5505033 | P1 | 22.5 | 85.6 | 135.8 | 243.92 | 286.2 | -42.3 | -15 |
| 7 | 5304045 | P2 | 79.0 | 92.1 | 149.6 | 320.68 | 337.9 | -17.2 | -5 |
| 8 | 5302003 | P3 | 72.0 | 74.9 | 121.8 | 268.63 | 252.8 | 15.8 | 6 |
| 9 | 4109095 | A4 | 244.5 | 148.0 | 439.0 | 831.50 | 841.0 | -9.5 | -1 |
| 10 | 4011139 | A6 | 160.0 | 238.7 | 300.3 | 699.04 | 779.9 | -80.9 | -10 |
| 11 | 4011144 | A8 | 190.0 | 293.0 | 329.5 | 812.50 | 784.5 | 28.0 | 4 |
| 12 | 4511111 | A12 | 227.0 | 119.5 | 190.7 | 537.19 | 437.4 | 99.8 | 23 |
| 13 | 5006021 | A14 | 201.5 | 180.2 | 253.5 | 635.15 | 612.7 | 22.5 | 4 |
| 14 | 5003028 | A15 | 71.0 | 96.6 | 149.5 | 317.06 | 321.7 | -4.6 | -1 |
| 15 | 5210069 | A16 | 27.0 | 72.1 | 117.2 | 216.26 | 242.8 | -26.5 | -11 |
| 16 | 3411017 | B3 | 107.5 | 98.7 | 125.0 | 331.19 | 377.0 | -45.8 | -12 |
| 17 | 2917001 | B4 | 104.5 | 172.0 | 239.5 | 516.04 | 535.2 | -19.2 | -4 |
| 18 | 2818110 | B5 | 82.0 | 123.8 | 203.6 | 409.38 | 400.5 | 8.9 | -2 |
| 19 | 3516022 | B6 | 61.5 | 133.6 | 195.3 | 390.37 | 434.1 | -43.7 | -10 |
| 20 | 3117070 | B7 | 188.0 | 176.9 | 227.2 | 592.02 | 533.6 | 58.4 | 11 |
| 21 | 3115180 | B8 | 191.5 | 178.5 | 237.0 | 606.94 | 582.6 | 24.4 | 4 |
| 22 | 2719001 | N1 | 27.0 | 123.5 | 205.2 | 355.65 | 432.7 | -77.0 | -18 |
| 23 | 3023098 | N3 | 57.0 | 108.4 | 200.0 | 365.43 | 442.3 | -76.9 | -17 |
| 24 | 2321006 | M1 | 15.0 | 80.6 | 156.5 | 252.13 | 309.2 | -57.0 | -18 |
| 25 | 2526001 | J1 | 18.0 | 94.8 | 158.6 | 271.32 | 383.9 | -112.6 | -29 |
| 26 | 2033001 | J2 | 17.5 | 100.8 | 188.8 | 307.10 | 474.4 | -167.3 | -35 |
| 27 | 1437116 | J5 | 132.0 | 138.4 | 238.3 | 508.69 | 576.4 | -67.7 | -12 |
| 28 | 1829001 | J7 | 76.0 | 164.6 | 200.1 | 440.72 | 516.9 | -76.2 | -15 |
| 29 | 2528002 | J8 | 177.0 | 96.1 | 188.8 | 461.96 | 465.8 | -3.8 | -1 |
| 30 | 2536168 | J9 | 476.0 | 215.1 | 214.7 | 905.89 | 888.4 | 17.5 | 2 |
| 31 | 2527004 | J10 | 24.0 | 118.4 | 170.2 | 312.56 | 438.4 | -125.8 | -29 |
| 32 | 3424081 | C3 | 38.5 | 102.7 | 154.0 | 295.17 | 359.8 | -64.6 | -18 |
| 33 | 3533102 | C4 | 330.5 | 112.6 | 191.5 | 634.60 | 595.8 | 38.8 | 7 |
| 34 | 4414036 | C8 | 86.5 | 118.5 | 200.9 | 405.98 | 448.8 | -42.9 | -10 |
| 35 | 3930012 | C9 | 211.0 | 114.3 | 199.0 | 524.29 | 605.0 | -80.7 | -13 |
| 36 | 4726001 | D1 | 0.0 | 185.8 | 229.5 | 415.30 | 763.6 | -348.3 | -46 |
| 37 | 4819027 | D2 | 122.0 | 79.0 | 115.4 | 316.45 | 309.9 | 6.5 | 2 |
| 38 | 5921009 | D6 | 303.0 | 80.8 | 84.7 | 468.50 | 311.3 | 157.2 | 51 |
| 39 | 4234109 | T1 | 244.0 | 105.2 | 173.5 | 522.62 | 541.3 | -18.7 | -3 |
| 40 | 4734079 | T2 | 129.0 | 70.4 | 154.3 | 353.64 | 390.0 | -36.4 | -9 |
| 41 | 5331048 | T5 | 110.0 | 90.9 | 159.4 | 360.36 | 386.9 | -26.5 | -7 |
| | MEAN | | 115.3 | 116.3 | 200.5 | 432.1 | 464.3 | -32.2 | -6.8 |

Jadual 9 : Hujan 3 Bulan November, Disember 2013 dan Januari 2014 : Senario 2 (Analisis 1)

| No | Station ID | Indeks Stesen | Nov 2013 | Dis 2013 | Jan 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan 'Long Term' 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|----------|----------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 96.0 | 37.0 | 11.0 | 144.00 | 341.3 | -197.3 | -58 |
| 2 | 6206035 | K1 | 209.5 | 42.5 | 7.0 | 259.00 | 301.5 | -42.5 | -14 |
| 3 | 6103047 | K3 | 163.5 | 68.5 | 23.0 | 255.00 | 281.5 | -26.5 | -9 |
| 4 | 6207032 | K4 | 291.5 | 319.5 | 32.0 | 643.00 | 462.7 | 180.3 | 39 |
| 5 | 6108062 | K5 | 266.0 | 258.0 | 29.0 | 553.00 | 456.3 | 96.7 | 21 |
| 6 | 5505033 | P1 | 372.0 | 210.0 | 22.5 | 604.50 | 450.0 | 154.5 | 34 |
| 7 | 5304045 | P2 | 451.5 | 270.0 | 79.0 | 800.50 | 501.4 | 299.1 | 60 |
| 8 | 5302003 | P3 | 342.5 | 195.0 | 72.0 | 609.50 | 415.7 | 193.8 | 47 |
| 9 | 4109095 | A4 | 259.0 | 353.5 | 244.5 | 857.00 | 1250.0 | -393.0 | -31 |
| 10 | 4011139 | A6 | 256.5 | 259.0 | 160.0 | 675.50 | 910.8 | -235.3 | -26 |
| 11 | 4011144 | A8 | 380.5 | 356.5 | 190.0 | 927.00 | 919.0 | 8.0 | 1 |
| 12 | 4511111 | A12 | 136.0 | 149.5 | 227.0 | 512.50 | 579.4 | -66.9 | -12 |
| 13 | 5006021 | A14 | 222.0 | 176.5 | 201.5 | 600.00 | 794.4 | -194.4 | -24 |
| 14 | 5003028 | A15 | 124.5 | 30.5 | 71.0 | 226.00 | 401.0 | -175.0 | -44 |
| 15 | 5210069 | A16 | 164.0 | 72.0 | 27.0 | 263.00 | 391.9 | -128.9 | -33 |
| 16 | 3411017 | B3 | 168.5 | 82.5 | 107.5 | 358.50 | 546.8 | -188.3 | -34 |
| 17 | 2917001 | B4 | 267.0 | 193.5 | 104.5 | 565.00 | 621.8 | -56.8 | -9 |
| 18 | 2818110 | B5 | 207.5 | 120.5 | 82.0 | 410.00 | 505.4 | -95.4 | -19 |
| 19 | 3516022 | B6 | 259.0 | 223.0 | 61.5 | 543.50 | 617.3 | -73.8 | -12 |
| 20 | 3117070 | B7 | 277.2 | 180.5 | 188.0 | 645.70 | 607.1 | 38.6 | 6 |
| 21 | 3115180 | B8 | 533.0 | 355.0 | 191.5 | 1079.50 | 691.0 | 388.5 | 56 |
| 22 | 2719001 | N1 | 209.0 | 208.0 | 27.0 | 444.00 | 542.6 | -98.6 | -18 |
| 23 | 3023098 | N3 | 362.0 | 252.0 | 57.0 | 671.00 | 642.2 | 28.8 | 4 |
| 24 | 2321006 | M1 | 223.0 | 190.5 | 15.0 | 428.50 | 415.4 | 13.1 | 3 |
| 25 | 2526001 | J1 | 161.0 | 171.5 | 18.0 | 350.50 | 540.1 | -189.6 | -35 |
| 26 | 2033001 | J2 | 163.0 | 383.0 | 17.5 | 563.50 | 676.4 | -112.9 | -17 |
| 27 | 1437116 | J5 | 329.5 | 303.5 | 132.0 | 765.00 | 725.3 | 39.7 | 5 |
| 28 | 1829001 | J7 | 322.5 | 281.5 | 76.0 | 680.00 | 614.7 | 65.3 | 11 |
| 29 | 2528002 | J8 | 171.0 | 164.0 | 177.0 | 512.00 | 587.7 | -75.7 | -13 |
| 30 | 2536168 | J9 | 233.5 | 589.0 | 476.0 | 1298.50 | 1713.1 | -414.6 | -24 |
| 31 | 2527004 | J10 | 233.5 | 223.0 | 24.0 | 480.50 | 581.8 | -101.3 | -17 |
| 32 | 3424081 | C3 | 186.0 | 339.5 | 38.5 | 564.00 | 518.5 | 45.5 | 9 |
| 33 | 3533102 | C4 | 315.5 | 1242.5 | 330.5 | 1888.50 | 1193.5 | 695.0 | 58 |
| 34 | 4414036 | C8 | 338.5 | 224.5 | 86.5 | 649.50 | 641.9 | 7.6 | 1 |
| 35 | 3930012 | C9 | 116.0 | 1431.0 | 211.0 | 1758.00 | 1203.5 | 554.5 | 46 |
| 36 | 4726001 | D1 | 357.0 | 618.0 | 0.0 | 975.00 | 1638.7 | -663.7 | -41 |
| 37 | 4819027 | D2 | 227.0 | 168.0 | 122.0 | 517.00 | 606.7 | -89.7 | -15 |
| 38 | 5921009 | D6 | 355.0 | 649.0 | 303.0 | 1307.00 | 1183.5 | 123.5 | 10 |
| 39 | 4234109 | T1 | 381.0 | 1050.0 | 244.0 | 1675.00 | 1413.7 | 261.3 | 18 |
| 40 | 4734079 | T2 | 674.0 | 970.0 | 129.0 | 1773.00 | 1261.3 | 511.7 | 41 |
| 41 | 5331048 | T5 | 696.0 | 441.0 | 110.0 | 1247.00 | 1381.8 | -134.8 | -10 |
| | MEAN | | 280.5 | 337.9 | 115.3 | 733.6 | 734.8 | -1.2 | -1.1 |

Jadual 10 : Hujan 3 Bulan Disember 2013, Januari dan Februari LT 2014 : Senario 2 (Analisis 2)

| No | Station ID | Indeks Stesen | Dis 2013 | Jan 2014 | Feb LT 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan "Long Term" 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|----------|-------------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 37.0 | 11.0 | 50.3 | 98.29 | 174.5 | -76.2 | -44 |
| 2 | 6206035 | K1 | 42.5 | 7.0 | 56.9 | 106.45 | 166.0 | -59.5 | -36 |
| 3 | 6103047 | K3 | 68.5 | 23.0 | 0.7 | 92.22 | 90.1 | 2.1 | 2 |
| 4 | 6207032 | K4 | 319.5 | 32.0 | 4.4 | 355.94 | 244.2 | 111.7 | 46 |
| 5 | 6108062 | K5 | 258.0 | 29.0 | 109.7 | 396.71 | 281.0 | 115.7 | 41 |
| 6 | 5505033 | P1 | 210.0 | 22.5 | 102.7 | 335.19 | 273.4 | 61.8 | 23 |
| 7 | 5304045 | P2 | 270.0 | 79.0 | 110.5 | 459.52 | 330.7 | 128.8 | 39 |
| 8 | 5302003 | P3 | 195.0 | 72.0 | 89.8 | 356.83 | 241.9 | 114.9 | 48 |
| 9 | 4109095 | A4 | 353.5 | 244.5 | 177.6 | 775.60 | 744.5 | 31.1 | 4 |
| 10 | 4011139 | A6 | 259.0 | 160.0 | 286.4 | 705.43 | 801.4 | -96.0 | -12 |
| 11 | 4011144 | A8 | 356.5 | 190.0 | 351.6 | 898.10 | 724.5 | 173.6 | 24 |
| 12 | 4511111 | A12 | 149.5 | 227.0 | 143.4 | 519.93 | 434.0 | 86.0 | 20 |
| 13 | 5006021 | A14 | 176.5 | 201.5 | 216.2 | 594.19 | 624.9 | -30.7 | -5 |
| 14 | 5003028 | A15 | 30.5 | 71.0 | 115.9 | 217.38 | 295.4 | -78.0 | -26 |
| 15 | 5210069 | A16 | 72.0 | 27.0 | 86.5 | 185.49 | 242.7 | -57.2 | -24 |
| 16 | 3411017 | B3 | 82.5 | 107.5 | 118.4 | 308.41 | 440.3 | -131.9 | -30 |
| 17 | 2917001 | B4 | 193.5 | 104.5 | 206.4 | 504.41 | 496.6 | 7.8 | 2 |
| 18 | 2818110 | B5 | 120.5 | 82.0 | 148.5 | 351.01 | 366.4 | -15.4 | -4 |
| 19 | 3516022 | B6 | 223.0 | 61.5 | 160.3 | 444.78 | 425.4 | 19.4 | 5 |
| 20 | 3117070 | B7 | 180.5 | 188.0 | 212.2 | 580.74 | 498.9 | 81.9 | 16 |
| 21 | 3115180 | B8 | 355.0 | 191.5 | 214.2 | 760.67 | 582.1 | 178.5 | 31 |
| 22 | 2719001 | N1 | 208.0 | 27.0 | 148.2 | 383.17 | 386.6 | -3.5 | -1 |
| 23 | 3023098 | N3 | 252.0 | 57.0 | 130.1 | 439.08 | 488.1 | -49.0 | -10 |
| 24 | 2321006 | M1 | 190.5 | 15.0 | 96.7 | 302.21 | 271.0 | 31.2 | 12 |
| 25 | 2526001 | J1 | 171.5 | 18.0 | 113.7 | 303.20 | 427.4 | -124.2 | -29 |
| 26 | 2033001 | J2 | 383.0 | 17.5 | 121.0 | 521.51 | 541.7 | -20.2 | -4 |
| 27 | 1437116 | J5 | 303.5 | 132.0 | 166.0 | 601.53 | 619.9 | -18.4 | -3 |
| 28 | 1829001 | J7 | 281.5 | 76.0 | 197.5 | 555.02 | 544.2 | 10.8 | 2 |
| 29 | 2528002 | J8 | 164.0 | 177.0 | 115.4 | 456.37 | 486.4 | -30.0 | -6 |
| 30 | 2536168 | J9 | 589.0 | 476.0 | 258.2 | 1323.18 | 1480.7 | -157.5 | -11 |
| 31 | 2527004 | J10 | 223.0 | 24.0 | 142.1 | 389.07 | 485.4 | -96.3 | -20 |
| 32 | 3424081 | C3 | 339.5 | 38.5 | 123.2 | 501.19 | 414.4 | 86.8 | 21 |
| 33 | 3533102 | C4 | 1242.5 | 330.5 | 135.1 | 1708.12 | 974.8 | 733.3 | 75 |
| 34 | 4414036 | C8 | 224.5 | 86.5 | 142.3 | 453.26 | 466.2 | -12.9 | -3 |
| 35 | 3930012 | C9 | 1431.0 | 211.0 | 137.2 | 1779.17 | 909.5 | 869.7 | 96 |
| 36 | 4726001 | D1 | 618.0 | 0.0 | 223.0 | 841.01 | 1258.3 | -417.3 | -33 |
| 37 | 4819027 | D2 | 168.0 | 122.0 | 94.8 | 384.81 | 424.0 | -39.2 | -9 |
| 38 | 5921009 | D6 | 649.0 | 303.0 | 97.0 | 1048.96 | 763.5 | 285.5 | 37 |
| 39 | 4234109 | T1 | 1050.0 | 244.0 | 126.2 | 1420.19 | 1010.7 | 409.4 | 41 |
| 40 | 4734079 | T2 | 970.0 | 129.0 | 84.5 | 1183.46 | 788.9 | 394.6 | 50 |
| 41 | 5331048 | T5 | 441.0 | 110.0 | 109.1 | 660.14 | 788.6 | -128.4 | -16 |
| | MEAN | | 337.9 | 115.3 | 139.6 | 592.7 | 536.8 | 55.9 | 7.5 |

Jadual 11 : Hujan 3 Bulan Januari, Februari dan March LT 2014 : Senario 2 (Analisis 3)

| No | Station ID | Indeks Stesen | Jan 2014 | Feb LT 2014 | March LT 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan "Long Term" 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|-------------|---------------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 11.0 | 50.3 | 153.7 | 214.95 | 206.9 | 8.1 | 4 |
| 2 | 6206035 | K1 | 7.0 | 56.9 | 176.3 | 240.26 | 222.1 | 18.2 | 8 |
| 3 | 6103047 | K3 | 23.0 | 0.7 | 564.6 | 588.32 | 500.1 | 88.2 | 18 |
| 4 | 6207032 | K4 | 32.0 | 4.4 | 355.2 | 391.64 | 394.5 | -2.9 | -1 |
| 5 | 6108062 | K5 | 29.0 | 109.7 | 217.5 | 356.26 | 313.3 | 43.0 | 14 |
| 6 | 5505033 | P1 | 22.5 | 102.7 | 163.0 | 288.20 | 286.2 | 2.0 | 1 |
| 7 | 5304045 | P2 | 79.0 | 110.5 | 179.5 | 369.01 | 337.9 | 31.1 | 9 |
| 8 | 5302003 | P3 | 72.0 | 89.8 | 146.1 | 307.96 | 252.8 | 55.2 | 22 |
| 9 | 4109095 | A4 | 244.5 | 177.6 | 526.8 | 948.90 | 841.0 | 107.9 | 13 |
| 10 | 4011139 | A6 | 160.0 | 286.4 | 360.4 | 806.85 | 779.9 | 27.0 | 3 |
| 11 | 4011144 | A8 | 190.0 | 351.6 | 395.4 | 937.00 | 784.5 | 152.5 | 19 |
| 12 | 4511111 | A12 | 227.0 | 143.4 | 228.8 | 599.23 | 437.4 | 161.8 | 37 |
| 13 | 5006021 | A14 | 201.5 | 216.2 | 304.2 | 721.89 | 612.7 | 109.2 | 18 |
| 14 | 5003028 | A15 | 71.0 | 115.9 | 179.4 | 366.27 | 321.7 | 44.6 | 14 |
| 15 | 5210069 | A16 | 27.0 | 86.5 | 140.6 | 254.11 | 242.8 | 11.3 | 5 |
| 16 | 3411017 | B3 | 107.5 | 118.4 | 150.0 | 375.93 | 377.0 | -1.1 | 0 |
| 17 | 2917001 | B4 | 104.5 | 206.4 | 287.4 | 598.35 | 535.2 | 63.1 | 12 |
| 18 | 2818110 | B5 | 82.0 | 148.5 | 244.3 | 474.86 | 400.5 | 74.4 | 19 |
| 19 | 3516022 | B6 | 61.5 | 160.3 | 234.4 | 456.15 | 434.1 | 22.1 | 5 |
| 20 | 3117070 | B7 | 188.0 | 212.2 | 272.6 | 672.83 | 533.6 | 139.2 | 26 |
| 21 | 3115180 | B8 | 191.5 | 214.2 | 284.4 | 690.02 | 582.6 | 107.4 | 18 |
| 22 | 2719001 | N1 | 27.0 | 148.2 | 246.2 | 421.38 | 432.7 | -11.3 | -3 |
| 23 | 3023098 | N3 | 57.0 | 130.1 | 240.0 | 427.11 | 442.3 | -15.2 | -3 |
| 24 | 2321006 | M1 | 15.0 | 96.7 | 187.9 | 299.56 | 309.2 | -9.6 | -3 |
| 25 | 2526001 | J1 | 18.0 | 113.7 | 190.3 | 321.99 | 383.9 | -62.0 | -16 |
| 26 | 2033001 | J2 | 17.5 | 121.0 | 226.5 | 365.02 | 474.4 | -109.4 | -23 |
| 27 | 1437116 | J5 | 132.0 | 166.0 | 286.0 | 584.03 | 576.4 | 7.6 | 1 |
| 28 | 1829001 | J7 | 76.0 | 197.5 | 240.2 | 513.67 | 516.9 | -3.3 | -1 |
| 29 | 2528002 | J8 | 177.0 | 115.4 | 226.6 | 518.95 | 465.8 | 53.2 | 11 |
| 30 | 2536168 | J9 | 476.0 | 258.2 | 257.7 | 991.87 | 888.4 | 103.4 | 12 |
| 31 | 2527004 | J10 | 24.0 | 142.1 | 204.2 | 370.27 | 438.4 | -68.1 | -16 |
| 32 | 3424081 | C3 | 38.5 | 123.2 | 184.8 | 346.50 | 359.8 | -13.3 | -4 |
| 33 | 3533102 | C4 | 330.5 | 135.1 | 229.8 | 695.42 | 595.8 | 99.7 | 17 |
| 34 | 4414036 | C8 | 86.5 | 142.3 | 241.1 | 469.87 | 448.8 | 21.0 | 5 |
| 35 | 3930012 | C9 | 211.0 | 137.2 | 238.8 | 586.95 | 605.0 | -18.0 | -3 |
| 36 | 4726001 | D1 | 0.0 | 223.0 | 275.4 | 498.36 | 763.6 | -265.2 | -35 |
| 37 | 4819027 | D2 | 122.0 | 94.8 | 138.5 | 355.34 | 309.9 | 45.4 | 15 |
| 38 | 5921009 | D6 | 303.0 | 97.0 | 101.6 | 501.60 | 311.3 | 190.3 | 61 |
| 39 | 4234109 | T1 | 244.0 | 126.2 | 208.1 | 578.34 | 541.3 | 37.1 | 7 |
| 40 | 4734079 | T2 | 129.0 | 84.5 | 185.1 | 398.57 | 390.0 | 8.5 | 2 |
| 41 | 5331048 | T5 | 110.0 | 109.1 | 191.3 | 410.44 | 386.9 | 23.5 | 6 |
| | MEAN | | 115.3 | 139.6 | 240.6 | 495.5 | 464.3 | 31.1 | 7.2 |

Jadual 12 : Hujan 3 Bulan November, Disember 2013 dan Januari 2014 : Senario 3 (Analisis 1)

| No | Station ID | Indeks Stesen | Nov 2013 | Dis 2013 | Jan 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan 'Long Term' 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|----------|----------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 96.0 | 37.0 | 11.0 | 144.00 | 341.3 | -197.3 | -58 |
| 2 | 6206035 | K1 | 209.5 | 42.5 | 7.0 | 259.00 | 301.5 | -42.5 | -14 |
| 3 | 6103047 | K3 | 163.5 | 68.5 | 23.0 | 255.00 | 281.5 | -26.5 | -9 |
| 4 | 6207032 | K4 | 291.5 | 319.5 | 32.0 | 643.00 | 462.7 | 180.3 | 39 |
| 5 | 6108062 | K5 | 266.0 | 258.0 | 29.0 | 553.00 | 456.3 | 96.7 | 21 |
| 6 | 5505033 | P1 | 372.0 | 210.0 | 22.5 | 604.50 | 450.0 | 154.5 | 34 |
| 7 | 5304045 | P2 | 451.5 | 270.0 | 79.0 | 800.50 | 501.4 | 299.1 | 60 |
| 8 | 5302003 | P3 | 342.5 | 195.0 | 72.0 | 609.50 | 415.7 | 193.8 | 47 |
| 9 | 4109095 | A4 | 259.0 | 353.5 | 244.5 | 857.00 | 1250.0 | -393.0 | -31 |
| 10 | 4011139 | A6 | 256.5 | 259.0 | 160.0 | 675.50 | 910.8 | -235.3 | -26 |
| 11 | 4011144 | A8 | 380.5 | 356.5 | 190.0 | 927.00 | 919.0 | 8.0 | 1 |
| 12 | 4511111 | A12 | 136.0 | 149.5 | 227.0 | 512.50 | 579.4 | -66.9 | -12 |
| 13 | 5006021 | A14 | 222.0 | 176.5 | 201.5 | 600.00 | 794.4 | -194.4 | -24 |
| 14 | 5003028 | A15 | 124.5 | 30.5 | 71.0 | 226.00 | 401.0 | -175.0 | -44 |
| 15 | 5210069 | A16 | 164.0 | 72.0 | 27.0 | 263.00 | 391.9 | -128.9 | -33 |
| 16 | 3411017 | B3 | 168.5 | 82.5 | 107.5 | 358.50 | 546.8 | -188.3 | -34 |
| 17 | 2917001 | B4 | 267.0 | 193.5 | 104.5 | 565.00 | 621.8 | -56.8 | -9 |
| 18 | 2818110 | B5 | 207.5 | 120.5 | 82.0 | 410.00 | 505.4 | -95.4 | -19 |
| 19 | 3516022 | B6 | 259.0 | 223.0 | 61.5 | 543.50 | 617.3 | -73.8 | -12 |
| 20 | 3117070 | B7 | 277.2 | 180.5 | 188.0 | 645.70 | 607.1 | 38.6 | 6 |
| 21 | 3115180 | B8 | 533.0 | 355.0 | 191.5 | 1079.50 | 691.0 | 388.5 | 56 |
| 22 | 2719001 | N1 | 209.0 | 208.0 | 27.0 | 444.00 | 542.6 | -98.6 | -18 |
| 23 | 3023098 | N3 | 362.0 | 252.0 | 57.0 | 671.00 | 642.2 | 28.8 | 4 |
| 24 | 2321006 | M1 | 223.0 | 190.5 | 15.0 | 428.50 | 415.4 | 13.1 | 3 |
| 25 | 2526001 | J1 | 161.0 | 171.5 | 18.0 | 350.50 | 540.1 | -189.6 | -35 |
| 26 | 2033001 | J2 | 163.0 | 383.0 | 17.5 | 563.50 | 676.4 | -112.9 | -17 |
| 27 | 1437116 | J5 | 329.5 | 303.5 | 132.0 | 765.00 | 725.3 | 39.7 | 5 |
| 28 | 1829001 | J7 | 322.5 | 281.5 | 76.0 | 680.00 | 614.7 | 65.3 | 11 |
| 29 | 2528002 | J8 | 171.0 | 164.0 | 177.0 | 512.00 | 587.7 | -75.7 | -13 |
| 30 | 2536168 | J9 | 233.5 | 589.0 | 476.0 | 1298.50 | 1713.1 | -414.6 | -24 |
| 31 | 2527004 | J10 | 233.5 | 223.0 | 24.0 | 480.50 | 581.8 | -101.3 | -17 |
| 32 | 3424081 | C3 | 186.0 | 339.5 | 38.5 | 564.00 | 518.5 | 45.5 | 9 |
| 33 | 3533102 | C4 | 315.5 | 1242.5 | 330.5 | 1888.50 | 1193.5 | 695.0 | 58 |
| 34 | 4414036 | C8 | 338.5 | 224.5 | 86.5 | 649.50 | 641.9 | 7.6 | 1 |
| 35 | 3930012 | C9 | 116.0 | 1431.0 | 211.0 | 1758.00 | 1203.5 | 554.5 | 46 |
| 36 | 4726001 | D1 | 357.0 | 618.0 | 0.0 | 975.00 | 1638.7 | -663.7 | -41 |
| 37 | 4819027 | D2 | 227.0 | 168.0 | 122.0 | 517.00 | 606.7 | -89.7 | -15 |
| 38 | 5921009 | D6 | 355.0 | 649.0 | 303.0 | 1307.00 | 1183.5 | 123.5 | 10 |
| 39 | 4234109 | T1 | 381.0 | 1050.0 | 244.0 | 1675.00 | 1413.7 | 261.3 | 18 |
| 40 | 4734079 | T2 | 674.0 | 970.0 | 129.0 | 1773.00 | 1261.3 | 511.7 | 41 |
| 41 | 5331048 | T5 | 696.0 | 441.0 | 110.0 | 1247.00 | 1381.8 | -134.8 | -10 |
| | MEAN | | 280.5 | 337.9 | 115.3 | 733.6 | 734.8 | -1.2 | -1.1 |

Jadual 13 : Hujan 3 Bulan Disember 2013, Januari dan Februari LT 2014 : Senario 3 (Analisa 2)

| No | Station ID | Indeks Stesen | Dis 2013 | Jan 2014 | Feb LT 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan "Long Term" 3 bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|----------|----------|-------------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 37.0 | 11.0 | 33.5 | 81.53 | 174.5 | -93.0 | -53 |
| 2 | 6206035 | K1 | 42.5 | 7.0 | 38.0 | 87.47 | 166.0 | -78.5 | -47 |
| 3 | 6103047 | K3 | 68.5 | 23.0 | 0.5 | 91.98 | 90.1 | 1.9 | 2 |
| 4 | 6207032 | K4 | 319.5 | 32.0 | 3.0 | 354.46 | 244.2 | 110.3 | 45 |
| 5 | 6108062 | K5 | 258.0 | 29.0 | 73.1 | 360.14 | 281.0 | 79.1 | 28 |
| 6 | 5505033 | P1 | 210.0 | 22.5 | 68.5 | 300.96 | 273.4 | 27.5 | 10 |
| 7 | 5304045 | P2 | 270.0 | 79.0 | 73.7 | 422.68 | 330.7 | 92.0 | 28 |
| 8 | 5302003 | P3 | 195.0 | 72.0 | 59.9 | 326.89 | 241.9 | 85.0 | 35 |
| 9 | 4109095 | A4 | 353.5 | 244.5 | 118.4 | 716.40 | 744.5 | -28.1 | -4 |
| 10 | 4011139 | A6 | 259.0 | 160.0 | 191.0 | 609.96 | 801.4 | -191.4 | -24 |
| 11 | 4011144 | A8 | 356.5 | 190.0 | 234.4 | 780.90 | 724.5 | 56.4 | 8 |
| 12 | 4511111 | A12 | 149.5 | 227.0 | 95.6 | 472.12 | 434.0 | 38.2 | 9 |
| 13 | 5006021 | A14 | 176.5 | 201.5 | 144.1 | 522.12 | 624.9 | -102.7 | -16 |
| 14 | 5003028 | A15 | 30.5 | 71.0 | 77.3 | 178.75 | 295.4 | -116.6 | -39 |
| 15 | 5210069 | A16 | 72.0 | 27.0 | 57.7 | 156.66 | 242.7 | -86.0 | -35 |
| 16 | 3411017 | B3 | 82.5 | 107.5 | 78.9 | 268.94 | 440.3 | -171.4 | -39 |
| 17 | 2917001 | B4 | 193.5 | 104.5 | 137.6 | 435.60 | 496.6 | -61.0 | -12 |
| 18 | 2818110 | B5 | 120.5 | 82.0 | 99.0 | 301.51 | 366.4 | -64.9 | -18 |
| 19 | 3516022 | B6 | 223.0 | 61.5 | 106.9 | 391.35 | 425.4 | -34.0 | -8 |
| 20 | 3117070 | B7 | 180.5 | 188.0 | 141.5 | 509.99 | 498.9 | 11.1 | 2 |
| 21 | 3115180 | B8 | 355.0 | 191.5 | 142.8 | 689.28 | 582.1 | 107.1 | 18 |
| 22 | 2719001 | N1 | 208.0 | 27.0 | 98.8 | 333.78 | 386.6 | -52.9 | -14 |
| 23 | 3023098 | N3 | 252.0 | 57.0 | 86.7 | 395.72 | 488.1 | -92.4 | -19 |
| 24 | 2321006 | M1 | 190.5 | 15.0 | 64.5 | 269.97 | 271.0 | -1.0 | 0 |
| 25 | 2526001 | J1 | 171.5 | 18.0 | 75.8 | 265.30 | 427.4 | -162.1 | -38 |
| 26 | 2033001 | J2 | 383.0 | 17.5 | 80.7 | 481.18 | 541.7 | -60.6 | -11 |
| 27 | 1437116 | J5 | 303.5 | 132.0 | 110.7 | 546.19 | 619.9 | -73.7 | -12 |
| 28 | 1829001 | J7 | 281.5 | 76.0 | 131.7 | 489.18 | 544.2 | -55.0 | -10 |
| 29 | 2528002 | J8 | 164.0 | 177.0 | 76.9 | 417.91 | 486.4 | -68.5 | -14 |
| 30 | 2536168 | J9 | 589.0 | 476.0 | 172.1 | 1237.12 | 1480.7 | -243.6 | -16 |
| 31 | 2527004 | J10 | 223.0 | 24.0 | 94.7 | 341.71 | 485.4 | -143.7 | -30 |
| 32 | 3424081 | C3 | 339.5 | 38.5 | 82.1 | 460.13 | 414.4 | 45.7 | 11 |
| 33 | 3533102 | C4 | 1242.5 | 330.5 | 90.1 | 1663.08 | 974.8 | 688.2 | 71 |
| 34 | 4414036 | C8 | 224.5 | 86.5 | 94.8 | 405.84 | 466.2 | -60.3 | -13 |
| 35 | 3930012 | C9 | 1431.0 | 211.0 | 91.4 | 1733.44 | 909.5 | 824.0 | 91 |
| 36 | 4726001 | D1 | 618.0 | 0.0 | 148.7 | 766.67 | 1258.3 | -491.6 | -39 |
| 37 | 4819027 | D2 | 168.0 | 122.0 | 63.2 | 353.21 | 424.0 | -70.8 | -17 |
| 38 | 5921009 | D6 | 649.0 | 303.0 | 64.6 | 1016.64 | 763.5 | 253.2 | 33 |
| 39 | 4234109 | T1 | 1050.0 | 244.0 | 84.1 | 1378.13 | 1010.7 | 367.4 | 36 |
| 40 | 4734079 | T2 | 970.0 | 129.0 | 56.3 | 1155.30 | 788.9 | 366.4 | 46 |
| 41 | 5331048 | T5 | 441.0 | 110.0 | 72.8 | 623.76 | 788.6 | -164.8 | -21 |
| | MEAN | | 337.9 | 115.3 | 93.1 | 546.2 | 536.8 | 9.4 | -1.9 |

Jadual 14 : Hujan 3 Bulan Januari, Februari dan March LT 2014 : Senario 3 (Analisa 3)

| No | Station ID | Indeks Stesen | Jan LT 2014 | Feb LT 2014 | Mac LT 2014 | Kumulatif Hujan Sebenar 3 Bulan | Kumulatif Hujan 'Long Term' 3 Bulan | Perbezaan Hujan (mm) | % Dev |
|----|------------|---------------|-------------|-------------|-------------|---------------------------------|-------------------------------------|----------------------|-------|
| 1 | 6501005 | R1 | 11.0 | 33.5 | 102.4 | 146.97 | 206.9 | -59.9 | -29 |
| 2 | 6206035 | K1 | 7.0 | 38.0 | 117.5 | 162.50 | 222.1 | -59.6 | -27 |
| 3 | 6103047 | K3 | 23.0 | 0.5 | 376.4 | 399.88 | 500.1 | -100.2 | -20 |
| 4 | 6207032 | K4 | 32.0 | 3.0 | 236.8 | 271.76 | 394.5 | -122.7 | -31 |
| 5 | 6108062 | K5 | 29.0 | 73.1 | 145.0 | 247.17 | 313.3 | -66.1 | -21 |
| 6 | 5505033 | P1 | 22.5 | 68.5 | 108.7 | 199.63 | 286.2 | -86.6 | -30 |
| 7 | 5304045 | P2 | 79.0 | 73.7 | 119.7 | 272.34 | 337.9 | -65.6 | -19 |
| 8 | 5302003 | P3 | 72.0 | 59.9 | 97.4 | 229.30 | 252.8 | -23.5 | -9 |
| 9 | 4109095 | A4 | 244.5 | 118.4 | 351.2 | 714.10 | 841.0 | -126.9 | -15 |
| 10 | 4011139 | A6 | 160.0 | 191.0 | 240.3 | 591.23 | 779.9 | -188.7 | -24 |
| 11 | 4011144 | A8 | 190.0 | 234.4 | 263.6 | 688.00 | 784.5 | -96.5 | -12 |
| 12 | 4511111 | A12 | 227.0 | 95.6 | 152.5 | 475.15 | 437.4 | 37.8 | 9 |
| 13 | 5006021 | A14 | 201.5 | 144.1 | 202.8 | 548.42 | 612.7 | -64.2 | -10 |
| 14 | 5003028 | A15 | 71.0 | 77.3 | 119.6 | 267.85 | 321.7 | -53.8 | -17 |
| 15 | 5210069 | A16 | 27.0 | 57.7 | 93.7 | 178.41 | 242.8 | -64.4 | -27 |
| 16 | 3411017 | B3 | 107.5 | 78.9 | 100.0 | 286.45 | 377.0 | -90.5 | -24 |
| 17 | 2917001 | B4 | 104.5 | 137.6 | 191.6 | 433.73 | 535.2 | -101.5 | -19 |
| 18 | 2818110 | B5 | 82.0 | 99.0 | 162.9 | 343.90 | 400.5 | -56.5 | -14 |
| 19 | 3516022 | B6 | 61.5 | 106.9 | 156.2 | 324.60 | 434.1 | -109.5 | -25 |
| 20 | 3117070 | B7 | 188.0 | 141.5 | 181.7 | 511.22 | 533.6 | -22.4 | -4 |
| 21 | 3115180 | B8 | 191.5 | 142.8 | 189.6 | 523.85 | 582.6 | -58.7 | -10 |
| 22 | 2719001 | N1 | 27.0 | 98.8 | 164.1 | 289.92 | 432.7 | -142.7 | -33 |
| 23 | 3023098 | N3 | 57.0 | 86.7 | 160.0 | 303.74 | 442.3 | -138.6 | -31 |
| 24 | 2321006 | M1 | 15.0 | 64.5 | 125.2 | 204.71 | 309.2 | -104.5 | -34 |
| 25 | 2526001 | J1 | 18.0 | 75.8 | 126.9 | 220.66 | 383.9 | -163.3 | -43 |
| 26 | 2033001 | J2 | 17.5 | 80.7 | 151.0 | 249.18 | 474.4 | -225.3 | -47 |
| 27 | 1437116 | J5 | 132.0 | 110.7 | 190.7 | 433.35 | 576.4 | -143.0 | -25 |
| 28 | 1829001 | J7 | 76.0 | 131.7 | 160.1 | 367.78 | 516.9 | -149.2 | -29 |
| 29 | 2528002 | J8 | 177.0 | 76.9 | 151.1 | 404.97 | 465.8 | -60.8 | -13 |
| 30 | 2536168 | J9 | 476.0 | 172.1 | 171.8 | 819.91 | 888.4 | -68.5 | -8 |
| 31 | 2527004 | J10 | 24.0 | 94.7 | 136.1 | 254.85 | 438.4 | -183.5 | -42 |
| 32 | 3424081 | C3 | 38.5 | 82.1 | 123.2 | 243.84 | 359.8 | -115.9 | -32 |
| 33 | 3533102 | C4 | 330.5 | 90.1 | 153.2 | 573.78 | 595.8 | -22.0 | -4 |
| 34 | 4414036 | C8 | 86.5 | 94.8 | 160.7 | 342.08 | 448.8 | -106.8 | -24 |
| 35 | 3930012 | C9 | 211.0 | 91.4 | 159.2 | 461.63 | 605.0 | -143.3 | -24 |
| 36 | 4726001 | D1 | 0.0 | 148.7 | 183.6 | 332.24 | 763.6 | -431.3 | -56 |
| 37 | 4819027 | D2 | 122.0 | 63.2 | 92.4 | 277.56 | 309.9 | -32.4 | -10 |
| 38 | 5921009 | D6 | 303.0 | 64.6 | 67.8 | 435.40 | 311.3 | 124.1 | 40 |
| 39 | 4234109 | T1 | 244.0 | 84.1 | 138.8 | 466.89 | 541.3 | -74.4 | -14 |
| 40 | 4734079 | T2 | 129.0 | 56.3 | 123.4 | 308.71 | 390.0 | -81.3 | -21 |
| 41 | 5331048 | T5 | 110.0 | 72.8 | 127.5 | 310.29 | 386.9 | -76.6 | -20 |
| | MEAN | | 115.3 | 93.1 | 160.4 | 368.7 | 464.3 | -95.6 | -20.7 |

Berdasarkan keputusan Analisis Hujan 1 Bulan dan Analisis Hujan 3 Bulan bagi bulan **Januari 2014** (keseluruhan senario), kawasan kebarangkalian kering bagi bulan Februari dan March 2014 adalah seperti Jadual 15, Jadual 16 dan Jadual 17.

Jadual 15 : Senarai Stesen Kebarangkalian Kering Berpandukan Analisis Hujan Bagi Bulan Januari 2014
(Senario 1: Sekiranya Berlaku **Hujan Normal** bagi Bulan Februari dan March 2014)

| BULAN | INDEKS STESEN | NAMA STESEN | DAERAH | NEGERI | KAWASAN KEBARANGKALIAN KERING |
|-----------------|---------------|---------------------------------|--------------|----------|-------------------------------|
| Feb 2014 | R1 | Abi Kg. Bahru | Kangar | Perlis | Kangar dan Perlis |
| | K1 | Kuala Nerang | Padang Terap | Kedah | Padang Terap |
| | D1 | Gunung Gagau | Gua Musang | Kelantan | Gua Musang |
| Mac 2014 | J2 | Stn. Telemetry di Bandar Kluang | Kluang | Johor | Kluang |
| | D1 | Gunung Gagau | Gua Musang | Kelantan | Gua Musang |

Jadual 16 : Senarai Stesen Kebarangkalian Kering Berpandukan Analisis Hujan Bagi Bulan **Januari 2014**
(Senario 2 : Sekiranya Berlaku **Pertambahan 20% Kepada Purata Hujan Jangka Panjang** bagi Bulan Februari dan March 2014)

| BULAN | INDEKS STESEN | NAMA STESEN | DAERAH | NEGERI | KAWASAN KEBARANGKALIAN KERING |
|-----------------|---------------|---------------|--------------|----------|-------------------------------|
| Feb 2014 | R1 | Abi Kg. Bahru | Kangar | Perlis | Kangar dan Perlis |
| | K1 | Kuala Nerang | Padang Terap | Kedah | Padang Terap |
| Mac 2014 | D1 | Gunung Gagau | Gua Musang | Kelantan | Gua Musang |

Jadual 17 : Senarai Stesen Kebarangkalian Kering Berpandukan Analisis Hujan Bagi Bulan **Januari 2014**
 (Senario 3: Sekiranya Berlaku **Pengurangan 20% Kepada Purata Hujan Jangka Panjang** bagi
 bulan Februari dan March 2014)

| BULAN | INDEKS STESEN | NAMA STESEN | DAERAH | NEGERI | KAWASAN KEBARANGKALIAN KERING |
|-----------------|---------------|---------------------------------|------------|----------|-------------------------------|
| Feb 2014 | R1 | Abi Kg. Bahru | Kangar | Perlis | Kangar dan Perlis |
| | K1 | Kuala Nerang | Padang | Kedah | Padang Terap |
| | A15 | Stn. Petak Ujian Tg. Piandang | Kerian | Perak | Kerian |
| | A16 | Stn. Pemeriksaan Hutam Lawin | Hulu Perak | Perak | Hulu Perak |
| | B3 | Stor JPS Tg. Karang | Kuala | Selangor | Kuala Selangor |
| | J1 | Ladang Sg. Gemas | Segamat | Johor | Segamat |
| | D1 | Gunung Gagau | Gua Musang | Kelantan | Gua Musang |
| Mac 2014 | J1 | Ladang Sg. Gemas | Segamat | Johor | Segamat |
| | J2 | Stn. Telemetry di Bandar Kluang | Kluang | Johor | Kluang |
| | J10 | Ladang Paya Lang | Segamat | Johor | Segamat |
| | D1 | Gunung Gagau | Gua Musang | Kelantan | Gua Musang |

DATA PARAS SUNGAI & KADAR ALIR SUNGAI (5HB MAC 2014)

| No. | Station Name | River Basin | Normal Level (m) | Water Level (4/3/14) | Water Level (5/3/14) | River Flow (m3/s) | Water Level (15/1/14) | REDUCTION SINCE 15/1/2014 (m) |
|-----|------------------------------------|--------------|------------------|----------------------|----------------------|-------------------|-----------------------|-------------------------------|
| 1 | SG.MUAR DI BULOH KASAP | Muar | 15.5 | 4.71 | 4.71 | 15.05 | 4.75 | 0.04 |
| 2 | SG.BEKOK DI BT.77 JLN Y.P | Sg. Bekok | 5.94 | 3.00 | 2.99 | 0.36 | 3.6 | 0.61 |
| 3 | SG. JOHOR AT RANTAU PANJANG | Sg. Johor | 4 | 3.08 | 3.09 | 26.7 | 3.49 | 0.4 |
| 4 | SG. MUDA AT JAMBATAN SYED OMAR | Muda | 8 | 6.07 | 6.08 | 17.3 | 6.23 | 0.15 |
| 5 | SG.KELANTAN DI KUSIAL | Kelantan | 10 | 8.24 | 8.29 | 135.61 | 10.15 | 1.86 |
| 6 | SG.GALAS DI DABONG | Kelantan | 28 | 26.67 | 26.69 | 242.10 | 28.68 | 1.99 |
| 7 | SG. LINGGI AT SUA BETONG | Sg. Linggi | 5 | 3.56 | 3.56 | 10.47 | 4.52 | 0.96 |
| 8 | SG.BENTONG DI KUALA MARONG | Sg. Pahang | 86 | 85.05 | 85.05 | 9.77 | 85.56 | 0.51 |
| 9 | SG.PAHANG DI SUNGAI YAP | Pahang | 44 | 43.85 | 43.81 | 362.76 | 45.99 | 2.18 |
| 10 | SG.TRIANG DI JAM.KERETAPI | Pahang | 31 | 30.74 | 30.74 | 9.11 | 32.69 | 1.95 |
| 11 | SG.PAHANG DI TEMERLOH (LUBUK PASU) | Pahang | 26 | 23.66 | 23.64 | 118.36 | 24.81 | 1.17 |
| 12 | SG.MUDA DI LADANG VICTORIA | Sg. Muda | 3.5 | 2.31 | 2.31 | 15.94 | 3.14 | 0.83 |
| 13 | SG.PLUS DI KG.LINTANG | Sg. Perak | 52 | 53.48 | 56.88 | 5.45 | 53.52 | -3.36 |
| 14 | SG.PERAK DI ISKANDAR BRIDGE | Sg. Perak | 32 | 31.72 | 31.74 | 126.67 | 31.98 | 0.24 |
| 15 | SG. KERIAN DI SELAMA | Sg. Kerian | 10 | 7.8 | 7.97 | 7.67 | Tiada Rekod | |
| 16 | SG.LANGAT DI DENGKIL | Sg. Langat | 4 | 3.73 | 3.38 | 21.37 | 3.56 | 0.18 |
| 17 | SG.BERNAM DI JAMBATAN SKC | Sg. Bernam | 16.6 | 15.84 | 15.78 | 16.32 | 18.15 | 2.37 |
| 18 | SG.BERNAM DI TANJUNG MALIM | Sg. Bernam | 38.3 | 36.55 | 36.5 | 2.77 | 36.82 | 0.32 |
| 19 | SG.LANGAT DI KAJANG | Sg. Langat | 22.89 | 22.18 | 22.17 | 5.58 | 22.23 | 0.06 |
| 20 | SG.SELANGOR DI RANTAU PANJANG | Sg. Selangor | 4.5 | 4.29 | 4.18 | 19.68 | 4.57 | 0.39 |
| 21 | SG.LUI DI KG. SG. LUI | Sg. Langat | 77 | 76.4 | 76.37 | 1.6 | 76.5 | 0.13 |
| 22 | SG.SEMENYIH DI RINCHING | Sg. Semenyih | 22 | 20.39 | 20.47 | 3.96 | 20.44 | -0.03 |
| 23 | SG.DUNGUN DI JAMJERANGAU | Sg. Dungun | 7 | 4.38 | 4.36 | 1.12 | 6.53 | 2.17 |

DATA PARAS EMPANGAN PADA 5HB MAC 2014

| No. | Dam Name | State | Normal Level (m) | Minimum Level (m) | Dam Level (m) (4/3/14) | Dam Level (m) (5/3/14) | Dam Level (m) (15/1/14) | REDUCTION SINCE 15/1/14 (m) |
|-----|--------------------------|------------|------------------|-------------------|------------------------|------------------------|-------------------------|-----------------------------|
| 1 | EMPANGAN MACHAP | JOHOR | 16.5 | 13.1 | 14.85 | 14.87 | 16.13 | 1.26 |
| 2 | EMPANGAN SEMBRONG | JOHOR | 10 | 6 | 8.79 | 8.76 | 9.46 | 0.7 |
| 3 | EMPANGAN BEKOK | JOHOR | 15.5 | 8.7 | 14.04 | 13.96 | 14.42 | 0.46 |
| 4 | EMPANGAN LABONG | JOHOR | 8.03 | 7.01 | 7.94 | 7.93 | 8.72 | 0.79 |
| 5 | EMPANGAN PADANG SAGA | KEDAH | 19.5 | 18.5 | 19.31 | 19.32 | 19.25 | -0.07 |
| 6 | EMPANGAN BERIS | KEDAH | 84 | 68 | 79.96 | 79.88 | 82.92 | 3.04 |
| 7 | EMPANGAN BUKIT KWONG | KELANTAN | 16.76 | 12.2 | 15.49 | 15.48 | 16.1 | 0.62 |
| 8 | EMPANGAN AHNING | KEDAH | 105.7 | 101.9 | 103.56 | 103.49 | 106.87 | 3.38 |
| 9 | EMPANGAN MUDA | KEDAH | 94.5 | 82.2 | 93.31 | 93.22 | 98.85 | 5.63 |
| 10 | EMPANGAN ANAK ENDAU | PAHANG | 19 | 12 | 18.46 | 18.45 | Tiada Rekod | Stesen baru siap |
| 11 | EMPANGAN TIMAH TASOH | PERLIS | 29.1 | 25.3 | 27.52 | 27.51 | 28.06 | 0.55 |
| 12 | EMPANGAN ULU KINTA | PERAK | 240 | 189.8 | 243.6 | 243.6 | 244.6 | 1 |
| 13 | EMPANGAN BUKIT MERAH | PERAK | 8.7 | 6.4 | 8.36 | 8.37 | 8.66 | 0.29 |
| 14 | EMPANGAN LANGAT | SELANGOR | 220.96 | 204.21 | 215.4 | 215.29 | 220.6 | 5.31 |
| 15 | EMPANGAN SUNGAI SELANGOR | SELANGOR | 220 | 184.63 | 195.1 | 194.9 | 207.3 | 12.4 |
| 16 | EMPANGAN TASIK SUBANG | SELANGOR | 38.56 | 34.75 | 38 | 38.02 | 38.62 | 0.6 |
| 17 | EMPANGAN SUNGAI TINGGI | SELANGOR | 59.5 | 45.03 | 55.62 | 55.62 | 57.84 | 2.22 |
| 18 | EMPANGAN SEMENYIH | SELANGOR | 111 | 84.3 | 108.06 | 107.97 | 109.6 | 1.63 |
| 19 | EMPANGAN BATU | WLH | 102 | 79 | 100.36 | 100.33 | 102.67 | 2.34 |
| 20 | EMPANGAN GENTING KELANG | WLH | 94 | 84 | 89.89 | 89.87 | 91.76 | 1.89 |
| 21 | EMPANGAN GEMENCHEH | N.SEMBILAN | 103 | 86 | 99.65 | 99.62 | Tiada Rekod | Tiada Rekod |

Nota : Maklumat semasa yang dipantau melalui laman sesawang Infokemaru secara real-time (20 empangan di Sebahagian Seluruh Sem. Msia)