SENARAI PENERBITAN DATA HIDROLOGI (BARU)

No	Title
1	Hydrological Data - Rainfall & Evaporation Records for Perlis **(1953-2005)** Volume 1
2	Hydrological Data - Rainfall & Evaporation Records for Kedah **(1933-2005)** Volume 2-5
3	Hydrological Data - Rainfall & Evaporation Records for Pulau Pinang **(1947-2005)** Volume 6-7
4	Hydrological Data - Rainfall & Evaporation Records for Perak **(1909-2005)** Volume 8-16
5	Hydrological Data - Rainfall & Evaporation Records for Selangor **(1901-2005)** Volume 17-23
6	Hydrological Data - Rainfall & Evaporation Records for W.P. Kuala Lumpur **(1915-2005)** Volume 24
7	Hydrological Data - Rainfall & Evaporation Records for Negeri Sembilan **(1929-2005)** Volume 25-28
8	Hydrological Data - Rainfall & Evaporation Records for Melaka **(1904-2005)** Volume 29-30
9	Hydrological Data - Rainfall & Evaporation Records for Johor **(1932-2005)** Volume 31-39
10	Hydrological Data - Rainfall & Evaporation Records for Pahang **(1927-2005**) Volume 40-47
11	Hydrological Data - Rainfall & Evaporation Records for Terengganu **(1940-2005)** Volume 48-51
12	Hydrological Data - Rainfall & Evaporation Records for Kelantan **(1947-2005)** Volume 52-55
13	Hydrological Data - Rainfall & Evaporation Records for Perlis, Kedah, Pulau Pinang & Perak **(2006-2009)** volume 1
14	Hydrological Data - Rainfall & Evaporation Records for Selangor, W.P. Kuala Lumpur, Negeri Sembilan & Melaka **(2006-2009)** volume 2
15	Hydrological Data - Rainfall & Evaporation Records for Johor & Pahang **(2006-2009)** volume 3
16	Hydrological Data - Rainfall & Evaporation Records for Terengganu & Kelantan **(2006-2009)** volume 4
17	Hydrological Book – Rainfall (2011 – 2015) Volume 1 – 3
18	Hydrological Book – Water Level (2011 – 2015)
19	Hydrological Book – Evaporation (2000 – 2015).

USER GUIDE TO RAINFALL DATA

INVENTORY

The inventory shows the vital information about all the rainfall stations maintained by this Department of Irrigation and Drainage.

Please refer to page 2-3 under "Index to Inventory of Hydrological Stations in Malaysia" for the code representation of the various descriptions for the rainfall stations.

DAILY TOTAL RAINFALL
For uniformity, both manual and automatic stations, the computation of daily rainfall total begin at 8.00am and ends at 8.00am next day

Total Rainfall of month:"TOTAL"
The total of the month is the simple summation of rainfall over the month. Should there be any missing data for any of the month, the sum is not calculated.

Daily Maximum of Month: "MAX"
The highest rainfall in any one day of any month is taken to be the daily maximum for that month. Should there be any missing data in any day of the month, the maximum value is not indicated.

Annual Rainfall: "YEARLY TOTAL"
The annual rainfall observed at the station is the simple summation of all the amount of rainfall observed in the year. Should there be any missing record for any one day, the annual rainfall is not indicated.

Distribution of Rainfall:
In case of any rainfall accumulations, these are all being evenly distributed throughout the period of recordings.

INDEX TO INVENTORY OF HYDROLOGICAL STATIONS IN MALAYSIA

Station Number:
The station number is derived from a grid system for ease of reference. The grid system is useful in locating any station on the station location map. (Please refer station numbering system page 2-5)

Station Name:
Name given to the station. The name normally derived from the name of town, district, ladang, kampung, longhouse, neighborhood or institution in which the station is sited.

River and River Basin Name:
Name of river where the rainfall station is located.

Year Open:
Year of commencement of station. Year open mean the starting date of rainfall data collection.

Date Station Open and Closed:
Month/Year is given (i.e 11/74).

Grid Reference:
Six figure grid reference complete with square identification prefix.

Latitude and Longitude:
The latitude and Longitude in degrees, minutes and seconds

CURRENT EQUIPMENT

This refers to equipment installed at the date of compilation of the inventory. The abbreviations used are shown in the "Classification of Instrumentation" listed below:

(a) Rainfall Stations

Daily Read Manual Raingauges

- **M5**-5 Inch (127mm) Orifice
- **M8**-8 Inch (203mm) Orifice
- **M**-Other types

Storage Manual Raingauges

Read at longer interval than daily

- **S5**-5 Inch (127mm) Orifice
- **S8**-8 Inch (203mm) Orifice
- **S**-Other types

Daily Automatic Graphical Recorders

- **CD**-Casella NS,. 5"Orifice
- **KD**-Kent, NS. Or TS., 5"
- **HD**-Hattori, NKD., TB
- **DD**-Dines
- **D**-Other types

Logger

- *HOBO*
- *RF 14*
- *MINILOG*
- *SDLO 2*

STATION NUMBERING SYSTEM

A hydrological station consists of seven digits which can be grouped as follows:

i. The first four digits denote the grid location according to the grid numbering systems six minutes Latitude and six minutes Longitude.
ii. The fifth digits denote the type of station
iii. The sixth and seventh digits from the station number of a particular type of station within a grid square

Example of Station Numbering System: **3427101**

Latitude : 03^0 27' 40'' N
Longitude : 102^0 46' 20'' E
} Grid No : 3427

3... from 0<u>3</u>, latitude

4... 27' / 6 = <u>4</u>

2... from 10<u>2</u>, longitude

7... 46' / 6 = <u>7</u>

Latitude	Longitude	Type number	Station number within a grid square
↓	↓	↓	↓
34	**27**	**1**	**101**

The 5th digit shows a rainfall and evaporation stations based on the following station types:

Type number	Description
0 & 1	Rainfall station
3	Evaporation station