

## MALAM GEO-KEJURUTERAAN JMG (Engineering Geology DMG Nite)

19 February 2004

*Geology Department*

*University of Malaya*

### Report

The Society is fortunate to have the participation of the 3 popular speakers from Department of Mineral & Geoscience (DMG) speaking at this Engineering Geology Night. The current topics like hillside development, landslides and groundwater protection virtually ensured a good turnout for the evening.

Tan Boon Kong

Chairman

Working Group on Engineering Geology & Hydrogeology



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**Abstracts of Papers**

**Guidelines for hill-site development**

CHOW WENG SUM

Jabatan Mineral dan Geosains

Selangor/Wilayah Persekutuan

Tingkat 6-7, Bangunan Darul Ehsan

No. 3, Jalan Indah, Seksyen 14,

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In recent years, due to the rapid pace of development in Malaysia, a large number of housing projects are sited on hill slopes, such as in the Cheras, Damansara and Ampang areas in Kuala Lumpur and in Pulau Pinang. In the highland areas such as Cameron Highlands, new holiday resorts have been constructed and forested areas have been cleared for agriculture. These development have led to the cutting of hill slopes and in most cases, the cut materials are just dumped on the sideslopes, leading to serious environmental problems such as occurrence of landslides, erosion and contamination of the river systems.

To control development on hilly and highland areas, various government agencies have proposed guidelines such as that by the Agriculture Department (1993), Town and Country Planning Department Selangor (1997), Land and Mines Department Pulau Pinang (1997), the Institution of Engineers Malaysia (2000), Ampang Jaya Town Council (2003) and the Ministry of Science, Technology and Environment (2003).

The guidelines for development in highland areas as proposed by the Ministry of Science, Technology and Environment were approved and passed by the Cabinet in 2003 and a circular had been sent to all District Offices to implement the guidelines.

**Case histories of several major landslides in  
Peninsular Malaysia**

ZAKARIA MOHAMAD

**Groundwater protection in Kelantan**

SAIM SURATMAN