

Geotechnical engineering investigations of the Highland Tower Condominium collapse, Ulu Kelang, Kuala Lumpur

NIK RAMLAN NIK HASSAN

Laporan (Report)

The talk was presented by Dr. Nik Ramlan Nik Hassan, Head, Geotechnical Division, Institut Kerja Raya Malaysia (IKRAM), on the 17th May, 1995, at the Department of Geology, University of Malaya. Dr. Nik was the principal investigator leading the technical committee for the investigations of the collapse.

The speaker deliberated on the causes and mechanisms of the failure, including the series of retrogressive landslips, failures of the rubble walls, and pile foundations. Investigations include geological, geotechnical, seepage/drainage and structural studies, incorporating the use of topographical and geological maps, aerial photographs, boreholes, laboratory testings, and various analyses and simulation studies. The presentation was accompanied by numerous colour slides and transparencies. Many questions and comments followed the presentation, and participants were given yet another further insight into the technical matters related to this collapse.

With kind permission from the speaker/author, the paper containing more details and background of the collapse is reproduced here in this Newsletter for the benefit of the members (see **Special Communication**, p. 153-164).

Tan Boon Kong

Footnote: The Society is happy to announce that it has recently purchased a copy (6 volumes) of the *'Highland Tower' Report*. Members who are interested can read the Report at the klompe reading room.