THE STUDY OF THE GEOLOGY & STRUCTURAL FEATURES
OF THE QUARRY AREAS OF BT. PANJANG
IN SINGAPORE

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ABSTRACT

This thesis is the result of a geological study of gabbro
rocks of the Bukit Panjang quarries area in Singapore.

The main type of rock of this area is gabbro/norite with
a little granite and granodiorite. They are of a much more basic
character into which a confused series of dykes and joints have
been intruded. The stock-like body of basic composition is situated
just closely within the batholith and may be best described as
satellic.

An attempt has been made to interpret the directions of
the stresses in this area by means of Equal Area Net (Stereogram)
projection theory & technique. The results show that the joints
in this area have been considerably affected by the later intrusive
rocks of the Central granite batholith.

A brief survey of the stability of the pit slope of the
quarries area has also been made. Most of the pit slopes in this
area are in a dangerous state, which is the result of hasty and
economical excavation.