

Geochemistry of volcanic and granitic rocks from the western part of the Endau Rompin area, Johore

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Stratigraphically, the rocks of the western part of the Endau Rompin area can be divided into four main units: Jasin

Warta Geologi, Vol 30, No.3, May-Jun 2004

Warta Geologi (Newsletter of the Geological Society of Malaysia), Vol. 30, No. 3, May-June 2004
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Volcanics, granite, Tebak Formation and Quaternary alluvium. The Jasin Volcanics are the oldest rocks, and are suspected to be Permian to Late Triassic in age. They are composed mainly of bedded rhyolite, pyroclastics and tuff. The granite is part of the Eastern Belt granite, and is of the I-type characterized by high Na_2O content and the presence of hornblende. The volcanic rocks in the study area are similar to the volcanic rocks from eastern Johore. Geochemical evidence suggests that the granite and volcanic magma is different.