Geochemistry of the Granitic Rocks from North of the Lawit Batholith, Besut, Terengganu

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The Lawit batholith consist of a very coarse, inequigranular, biotite granite as a central core known as the Peda granite, bordered to the east and west by the earlier hornblende bearing Guntong granodiorite. This paper describes in detail the petrological and geochemical differences of the northern part of the Lawit batholith. The main petrological differences between these two rocks are that the granodiorite contains hornblende and biotite whereas the granite contains only biotite as the main mafic phase. The petrological, field and chemical data indicate that the Guntong granodiorite and Peda granite are made up from separate individual melts. The different behaviour of most of the trace elements in the Peda granite and Guntong granodiorite suggests that each unit of the Lawit batholith may not be related by a simple magma fractionation from the margin to the centre of the pluton.

Warta Geologi (Newsletter of the Geological Society of Malaysia), Vol. 26, No. 5, September-October 2000