

## Geochemistry of tourmaline-bearing granite from Maras-Jong, Terengganu, Peninsular Malaysia

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The Eastern Belt Granite of Peninsular Malaysia consists mainly of I-type granites with subordinate S-type granites. The monzo- to syenogranite Maras-Jong pluton in the Eastern Belt Granite show many S-type characteristics such as presence of tourmaline, garnet, similar texture (both granites are coarse grained primary textured sometimes dominated by K-feldspar phenocrysts) and high SiO<sub>2</sub> contents. However, using the previous granite classification, ACNK values below 1.1 and low Al biotite content, the Maras-Jong granite can be classified as I-type granite. It is suggested that the Maras-Jong granite is a felsic I-type granite.

*Granit Jalur Timur di Semenanjung Malaysia mengandungi batuan granit jenis I dengan sedikit jenis S. Batuan Monzogranit dan syenogranit pluton Maras-Jong di dalam Granit Jalur Timur menunjukkan banyak ciri-ciri granit jenis S seperti kehadiran mineral tourmalin, garnet, persamaan tekstur (kedua-dua granit adalah berbutir kasar bertekstur primer kadang kala didominasi oleh fenokris K-feldspar) dan kandungan SiO<sub>2</sub> yang tinggi. Walau bagaimanapun, menggunakan pengelasan yang terdahulu, nilai ACNK dibawah 1.1 dan mengandungi biotite kurang Al, Granit Maras-Jong boleh dikelaskan sebagai jenis I.*