

Komplek Stong: kajian geokimia ke atas batuan Granit Noring dan Leukogranit Kenerong di Kampung Renyok, Jeli, Kelantan

NUR HUDA MOHD JAMIN DAN MOHD ROZI UMOR

Program Geologi, Fakulti Sains dan Teknologi
Universiti Kebangsaan Malaysia
43600 Bangi, Selangor

Geochemistry of the Stong Complex at Kampung Renyok, Jeli, Kelantan, has been studied to determine the chemical behaviour, correlation and crystallisation history of Noring Granite and Kenerong Leucogranite. The Stong Complex consists of three rock units namely the Berangkat Tonalite, the Noring Granite and the Kenerong Leucogranite. However, this study concentrated on the Noring Granite and the Kenerong Leucogranite. The geochemical data were interpreted using the Harker diagram, ACNK diagram and AFM diagram. The results suggest that the Noring Granite and Kenerong Leucogranite are high K calc-alkaline rock and peraluminous with I-type granitic rock. The differentiation trend is from the Noring Granite to Kenerong Leucogranite, suggesting that the Noring Granite crystallised before the Kenerong Leucogranite. Analysis on trace elements shows substitution of major elements by trace elements. Based on the above, it is interpreted that both granites crystallised from the same crustal magma through several series of differentiation. The original magma was regarded as basic in nature and had undergone differentiation before evolving into felsic magma.