

K-AR AND Rb-Sr MICA MINERAL AGES FROM THE GUNUNG LEDANG GRANITE

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The Gunung Ledang granite is a small pluton satellitic to the Main Range granite batholith of Peninsular Malaysia. Previous reconnaissance age dating work indicates this epizonal post-orogenic granite was probably emplaced in the Late Cretaceous. In the present work 5 biotites and 3 muscovites give a mean K-Ar age of 68.2 ± 1.7 m.y. Rb-Sr mineral ages give a mean of 69.4 ± 2.8 m.y. A five point whole-rock mineral isochron gives an age of 68.9 ± 1.3 m.y. with initial $^{87}\text{Sr}/^{86}\text{Sr}$ ratio of 0.7083 ± 0.0012 . The good concordance of the K-Ar and Rb-Sr ages places the emplacement age of the Gunung Ledang granite at 69 m.y.
