
Jurassic–Cretaceous palaeogeography of the Jagoi – Serikin area, Bau, Sarawak

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The Jagoi-Serikin area is underlain by the Early Jurassic Jagoi Granodiorite which is non-conformably overlain by the Bau Limestone Formation (Late Jurassic to Early Cretaceous) and on which the Pedawan Formation (Late Jurassic to Late Cretaceous) overlies conformably. All of them have been intruded by Tertiary diabase dykes.

A reef complex with minor patch reef and mud-mound model is postulated for the Bau Limestone. Mudstone, wackestone and packstone representing the back reef area are mostly distributed in close proximity to the Jagoi Granodiorite. Stromatoporoid-coral-algal boundstone representing ecologic reef with minor packstone are mainly distributed in the centre of embayment and farther out in the slope of the basin.

The Jurassic-Cretaceous palaeogeography of the area is modelled as the margin of a landmass, where Gunung Jagoi and Gunung Kisam act as two promontaries bordered by a fringing reef complex. A rapidly subsiding basin in which the Pedawan Formation was deposited occurred on the basal side of the fringing reef.

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