

An Early Permian (Early Sakmarian) brachiopod fauna from the Sungai Itau Quarry and its relationship to other Early Permian brachiopod horizons in Langkawi, Malaysia

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A rich brachiopod bed was discovered in a quarry exposure at Kampung Sungai Itau, Langkawi. At least twelve species of brachiopod were identified from this bed. The fauna is dominated by the heavily spinosed brachiopod genus *Spirelytha* and the large thickly shelled genus *Sulciplica*. The Kampung Sungai Itau brachiopod fauna exhibits strong correlation with those of Kilim in Langkawi Island and Ko Muk in south Thailand. The fauna can be assigned to the upper part of the *Arctitreta–Bandoproductus* assemblage Zone of Early Permian (Early Sakmarian). The stratigraphic position of other Early Permian brachiopod horizons in Langkawi Islands is revised herewith.

Satu lapisan kaya brakiopod telah ditemui dalam sebuah singkapan kuari di Kampung Sungai Itau, Langkawi. Sekurang-kurangnya empat belas spesies brakiopod telah dikenalpasti daripada lapisan ini. Fauna ini didominasi oleh brakiopod genus Spirelytha yang berdeduri lebat dan Sulciplica yang bersaiz besar dan bercengkerang tebal. Fauna brakiopod Kampung Sungai Itau mempunyai korelasi yang sangat hampir dengan fauna brakiopod Kilim di Pulau Langkawi dan Ko Muk di Thailand selatan. Fauna ini boleh diletakkan pada bahagian atas Zon himpunan Arctitreta–Bandoproductus berusia Perm Awal (Sakmarian Awal). Kedudukan stratigrafi beberapa lapisan brakiopod berusia Perm Awal di Kepulauan Langkawi telah dinilai semula.