

## **A review on Palaeozoic lithostratigraphy of east Johor, Malaysia**

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A revision on the Palaeozoic lithostratigraphy of east Johor has been made. The Palaeozoic of east Johor comprises the Mersing Formation, Murau Conglomerate Formation, Dohol Formation, Jasin Volcanic, Pengerang Volcanic and Linggiu Formation. The pre-Permian Mersing Formation, the oldest known rock unit is entirely made up of metamorphosed

sedimentary rock of shallow marine origin. Unconformably overlying this unit is the Murau Conglomerate Formation developed in a small continental faulted basin. The siliciclastic Dohol Formation containing late Early to early Middle Permian Sumalayang limestone and Sedili volcanic is also unconformably overlying the Mersing Formation, as are the other volcanic units of Pengerang Tuff and Jasin Volcanic. The three volcanic units are thought to be contemporaneous and closely related with the Early to Middle Permian Dohol Formation and the overlying Late Permian Linggiu Formation. The absence of volcanic clasts in the Murau Conglomerate Formation indicate that the later is a pre-volcanic, hence pre-late Early Permian formation. The shallow marine Linggiu Formation and associated volcanic rocks is the youngest Palaeozoic formation in east Johor.