

## **A sedimentological study at Bukit Belah, Batu Pahat, Johor**

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A sedimentological study was carried out at Bukit Belah, Batu Pahat, Johor which was interpreted by previous workers as part of the Bukit Payong Formation. The study area consists of three main sedimentary facies, namely conglomerate facies, sandstone facies and siltstone facies. In general, the sandstone is thickly-bedded and relatively more dominant than the conglomerates. At some localities, the sandstone is interbedded with siltstone and mudstone. Based on petrographic study, the Bukit Belah sandstone can be classified as lithic arenites, quartz arenites, arkose wacke and quartzose wacke sandstone. Several sedimentary structures were identified in the study area such as parallel lamination, cross lamination and graded bedding. The rock sequence shows a fining upward sequence and together with the presence of some sedimentary structures, it is interpreted that the sediments were deposited in a braided river system.