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**SEDIMENTOLOGICAL AND PALAEONTOLOGICAL STUDIES  
ON THE KUBANG PASU FORMATION FROM WANG KELIAN AREA, PERLIS**

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**ABSTRACT:** Sedimentological and palaeontological studies of the Kubang Pasu Formation (Late Devonian-Early Permian) have been carried out along the road from Kaki Bukit to Kampung Wang Kelian which is located in the northwestern Perlis. The rock succession of The Kubang Pasu Formation in this area represents the bottommost part of the formation which is conformably overlying the Setul Limestone Formation (Ordivision-Silurian). It can be divided into four facies namely the mudstone interbedded with fine-grained sandstone facies, red mudstone facies, black mudstone facies and mudstone interbedded with shale which were deposited in marine environment of the Early Carboniferous-Permian age. Several fossils such as *Posidomnya* sp. of Early Devonian-Early

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Carboniferous age were found in the red mudstone facies. From the palynological study, several stratigraphically long ranging fungal spores have been identified i.e *Dyadosporites* sp., *Monoporisporites minutus*, *Hypoxylonites brazosensi* and *Portalites confertus*.

**ABSTRAK:** Kajian sedimentologi dan paleontologi telah dijalankan terhadap Formasi Kubang Pasu (Devon Akhir-Perm Awal) di sepanjang jalan dari Kaki Bukit ke Wang Kelian yang terletak di barat laut Perlis. Jujukan batuan di sini merupakan bahagian paling bawah Formasi Kubang Pasu yang menindih Formasi Setul (Ordovisi Awal-Devon Awal) secara selaras dan terdiri daripada empat fasies iaitu fasies batu lumpur berselang lapis dengan batu pasir halus, fasies batu lumpur merah, fasies batu lumpur hitam dan fasies batu lumpur berselang lapis dengan syal yang ditafsirkan telah terendap di sekitaran laut. Di dalam fasies batu lumpur merah telah ditemui beberapa fosil seperti *Posidomnya* sp. berusia Devon Atas-Karbon Awal. Hasil daripada kajian palinologi yang dilakukan, beberapa spora fungi yang berjulat usia panjang telah dikenal pasti iaitu *Dyadosporites* sp., *Monoporisporites minutus*, *Hypoxylonites brazosensis* dan *Portalites confertus*.