

Facies model of the Triassic Semanggol Formation sequence at Pedu Dam, Kedah

Ahmad Jantan, Basir Jasin, Ibrahim Abdullah, Abdul Rahim Samsudin & Uypo Said, Jabatan Geologi, Universiti Kebangsaan Malaysia

A winding disused road leading up to an abandoned quarry in the vicinity of Pedu Dam area, Kedah, patchilly exposed two thick, coarsening and thickening upward sequence representative of the configuration of prograding submarine fan complex. Progradation, abandonment and switching of sublobes, and possibly switching of a fan complex could be demonstrated.

Erosively cut, stacked-up, channel-shaped, poorly sorted, matrix-supported granule to cobble conglomerate bodies eroding into very thickly bedded, graded to massive sandstone beds indicate a mid-fan situation.

Groove and flute casts have not been seen at the bases of turbidite sandstone beds and suggest that scouring of the substratum by the sediment-laden turbidity currents is minimal.

Slump-folds and channels axis suggest a east-northeast to north-north-east palaeoslope.
