

## **Geological heritage of tip of Borneo at Tanjung Simpang, Mengayau, Kudat Peninsula, Sabah**

### **Abstract**

Tanjung Simpang Mengayau, dubbed the "The Tip of Borneo" is one of Sabah's popular tourism sites. The strategic geographical location of this headland is the main attraction for tourist to visit this site. Apart from its beautiful white beach sand, the rocky headland provides an excellent exposure of the lower sandy unit of the Early Miocene Kudat Formation. The sedimentary formation, comprising of a thick sequence of sandstone exhibits primary depositional structures such as lamination, graded bedding and load structures. The thick sandstone beds dipping moderately to the north are cut through by a series of NE-SW trending normal faults and N-S trending joints, clearly visible during low tide. The headland also possesses coastal landforms such as caves, holes and tafoni. These geological features which provide useful insight into the geological history of the region may be utilized for educational purpose, as in geological tourism, to add value to the existing attraction of this site.