

Coastal Geomorphology of Ujung Genteng Tombolo Sukabumi Regency

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The aims of this research are 1) to identify the morphology of Ujung Genteng tombolo 2) to identify the materials that form the Ujung Genteng tombolo 3) to analyze the geomorphology process on the Ujung Genteng tombolo. The collected data that are needed in this research such as morphology, material, and process. The morphology aspects are consist of sloping classification, sloping shape, and onshore topography. The maerial aspect is consist of uncompacted sediment. The process aspect contains type of geomorphology process, breaking type, tidal classification, wind-speed and onshore genesis. The morphology and material data are collected by the direct measurement and UAV record. The process data are obtained by the direct measurement and related academic literatures. The additional data are also obtained by direct interview with the local people and direct observation. The result shows that the geomorphology of Ujung Genteng tombolo has the wavy type of surface relief with the flat slope class. The materials that form the tombolo such as marine sand, volcanic deposit sand, alluvial deposit, and coral limestone. Based on the process aspect, the tombolo area refers to the sedimentation process with a dissipative shore type. The landform' s various on Ujung Genteng tombolo has the pottential to be developed into a tourism site based on ecotourism wisdom.

Keywords: Geomorphology, Coastal Geomorphology, Tombolo

