

# **GEOLOGI, KUALITAS, DAN PERHITUNGAN SUMBER DAYA ENDAPAN BAUKSIT LATERIT KECAMATAN TAYAN, KABUPATEN SANGGAU, KALIMANTAN BARAT**

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## **ABSTRAK**

Daerah penelitian termasuk kedalam blok Schwaner secara administratif berada di daerah Tanjung Bunut, Kecamatan Tayan, Kabupaten Sanggau, Kalimantan Barat. Stratigrafi daerah penelitian terdiri dari lima satuan litostratigrafi tidak resmi, yaitu Satuan Kuarsit Pinoh berumur Karbon Awal-Trias Akhir, Satuan Gabro sepauk dan Satuan Diorit Sepauk berumur Kapur Awal, Satuan lava Andesit Kerabai yang berumur Kapur-Akhir, dan Satuan Endapan Aluvial berumur Holosen Daerah penelitian memiliki *Grade* endapan bauksit Waste dengan rata-rata kadar  $Al_2O_3$  sebesar 35,89% berasal dari batuan asal Andesit dan Kuarsit, Low dengan rata-rata kadar  $Al_2O_3$  sebesar 40,56% berasal dari batuan asal Gabro, dan Medium dengan rata-rata kadar  $Al_2O_3$  sebesar 48,75% berasal dari batuan asal Diorit, sebagian besar daerah tayan memiliki *Grade* endapan bauksit Medium. Perhitungan sumber daya endapan bauksit laterit daerah penelitian sebesar 4.651.200 ton(Unwashed Resources), 2.251.546,29 ton(Washed Resources), dan resources konsentrat  $Al_2O_3$  sebesar 891.183 ton.

**Kata Kunci:** morfologi , *grade*, resources, bauksit

## **ABSTRACT**

*Research area is included in the Schwaner Block administratively located in Tanjung Bunut area, Tayan sub-district, Sanggau district, West Kalimantan. The research stratigraphy is composed of five unofficial lithostratigraphic units, Late Carbon - Early Triassic Carbon quartzite, Early Cretaceous gabro Sepauk, Early Cretaceous diorite Sepauk, Late Cretaceous andesite lava Kerabai ,and Holocene alluvial deposits . The research has a Grade of Bauxite Sludge deposits with average  $Al_2O_3$  level of 35.89% derived from andesite and quartzite rocks, low with average  $Al_2O_3$  level of 40.56% derived from gabro , and medium rocks with average grade  $Al_2O_3$ , 48.75% are derived from diorite origin rock, most of the Tayan area has medium grade of bauxite. The calculation of laterite bauxite sludge resources of the research area is 4,651,200 tons(Unwashed Resources), 2,251,546,29 tons(Washed Resources), and  $Al_2O_3$  concentrate resource of 891,183 tons.*

**Keywords :** morphology, *grade*, resources, bauxite