

ABSTRACT

BODY MODELING 2D AND 3D MAGNETIC IRON ORE BASED ON DATA IN MOUNTAIN AREA PEBEN BELITUNG ISLAND

By

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Geophysical studies have been conducted using geomagnetic methods in areas of Belitung Island Peben Mountain region. The principle of this method are the nature of rock vulnerability (susceptibility). Regional research survey in Mountain Regions Peben Belitung Island. The research area is surrounded by mountains of volcanic and granite rocks are dominated by type "S". This study calculates the value of the magnetic anomaly in the can from the total magnetic intensity values have been corrected. Correction is carried out such variation and IGRF daily. Values obtained magnetic anomaly modeled in the form of contour maps. The interpretation of qualitative magnetic anomaly indicates that the high anomaly obtained in the study area. It is estimated that there are many rocks that contain minerals that indicate the presence of Magnetite iron ore. While the quantitative interpretation is done by membuat slice profile in the local magnetic anomaly contour map.

Keywords: continuation of the above, iron ore, minerals, magnetic anomaly