

PENDUGAAN MODEL ANOMALI MAGNETIK BAWAH PERMUKAAN DESA DARMAKRADENAN, KECAMATAN AJIBARANG, KABUPATEN BANYUMAS

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Abstract	<p>Magnetic survey has been carried out to estimate the subsurface magnetic anomaly model in Darmakradenan Village, Ajibarang District, Banyumas Regency. After the data processing which includes some corrections and reductions, then obtained the residual magnetic anomaly data in the research area. Then this magnetic anomaly data was modeled use Mag2DC for Windows software, thus obtained four subsurface anomalous objects, which are interpreted as coarse grained sandstones, conglomerates, and andesitic breccias from Tapak Formation ($\Delta f = 0.0055$ cgs units), lava deposition of Slamet Volcano; with boulder of basaltic-andesite from old Slamet Volcano eruption ($\Delta f = 0.0175$ cgs units), andesitic sandstone, tuff conglomerate, and marl which insert of sandstone from Halang Formation ($\Delta f = 0.0015$ cgs units), and limestones from Tapak Formation ($\Delta f = 0.0035$ cgs units). The research areas have natural resources of limestone that is being cultivated mining now. While the presence of gold minerals can not be determined, but is expected in the old alluvial deposits of Tapak Formation and Halang Formation. Keywords: Magnetic anomaly, subsurface, Darmakradenan Village</p>
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