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Data and Seismicity Interpretation in Sumatra - Indonesia

Geographically, Research Areas Located between Coordinates 7°S to 7°N and 92°E to 107°E. Free Air Anomaly (FAA) and topography data are Used Retrieved from Global Marine Gravity from Geosat and ERS-1 altimetry and Global seafloor Topography from Satellite altimetry and Ship Depth Soundings. It is use amount of 1 '(1 minute) Latitude and Longitude or the sum of 1.85 Km for acquisition as a space. It is use the data released by the BMKG too. The study results showed that the High gravity residual anomaly Associated With high-density rocks. In earthquake occurs on the region flanked by subduction zone boumdary and high gravity residual anomaly. High Residual anomalies associated with high-density rocks. Based on Data and Modeling earn Bouguer Anomaly (ρ = 2.67 gr/cm3), which is Subduction Zone Sumatera Quite Shallow depth. It means that the earthquake in Sumatra Happens Shallow depth. Western part of Sumatra Regional Is Prone Regions Against by Tsunami.

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