INTERPRETATION AND ANALYSIS
OF COMPLETE BOUGUER ANOMALY ON TOPOGRAPHY
RESEARCH OF MERBABU AND MERAPI MOUNT

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ABSTRACT

Merbabu Mount is implied in a non active mount, because it’s an older than volcano in Jawa island. And Merapi Mount, is which one an active volcano in world. To find out of status Merbabu and Merapi Mount, so we need understand how a stratigraphy and kantung magma of Merbabu and Merapi Mount. This research have been prepared by data processing of Complete Bouguer Anomaly and 3D modeling of Complete Bouguer Anomaly on topography.
Data processing of Complete Bouguer Anomali results a negative anomaly around of Merbabu and Merapi Mount showed that the kantung magma. In 3D modeling Bouguer anomaly on topography founded the kantung magma under the Merbabu and Merapi Mount comprise with two kantung magma, upper und under kantung magma.
Upper kantung magma Merbabu Mount contained in 1.800 m below Mean Sea Level (MSL) and under kantung magma is counted in 6.100 m below MSL. And upper kantung magma Merapi Mount contained in 1.900 m below MSL, under kantung magma of Merapi contained in 6.500 below MSL. Each kantung magma of Merbabu and Merapi Mount grew in 7.600 below MSL.
The low density zone in South Merapi haved an identify character with Merbabu and Merapi Mount