

ABSTRAK

Telah dilakukan penelitian mineral logam dengan menggunakan metode geofisika elektromagnetik. Penelitian dilakukan di daerah Kecamatan Pamenang, Kabupaten Lombok Barat, Provinsi Nusa Tenggara Barat.

Penelitian menggunakan data excel yang antara lain data F1, F2, Tilt Angle, dan Elips. Penelitian dilakukan dengan menghitung nilai F1, F2, dan Coordinat pada software matlab. Hasil pengolahan tersebut merupakan data tilt dan penampang rapat arus ekuivalen yang kemudian dicocokkan dengan data excel.

Peralatan yang digunakan adalah T-VLF dengan memanfaatkan stasiun pemancar NWC yang berada di Australia dengan frekuensi JJF 19.800Hz dan NWC 22.300Hz, pengukuran dilakukan sebanyak 22 lintasan dan jarak antar titik 5 meter.

Kata kunci : T-VLF BRGM, elektromagnetik, F1, F2, Tilt Angle, dan Elips, mineral logam

ABSTRACT

Metallic mineral studies have been conducted using electromagnetic geophysical methods. The study was conducted in the District Pamenang, West Lombok, West Nusa Tenggara Province.

The study used data among other data excel F1, F2, Tilt Angle, and Ellipses. The study was conducted by calculating the value of F1, F2, and Coordinat the software matlab. The results of the data processing is tilt and sectional meetings equivalent current which is then matched with data excel.

The equipment used is T-VLF transmitter NWC using station located in Australia with JF frequency 19.800Hz and 22.300Hz NWC, measurements were made as many as 22 tracks and the distance between a point 5 meters.

Keywords: T-VLF BRGM, electromagnetic, F1, F2, Tilt Angle, and Ellipses, metallic mineral