Universitas Indonesia Library >> UI - Skripsi Membership

Identifikasi akuifer menggunakan metode resistivitas di Barat Laut Gedung Rektorat Universitas Indonesia = Aquifers identification using resistivity method at the Northwest of Rectorate Building Universitas Indonesia

Adib Hussein, author

Deskripsi Lengkap: https://lib.ui.ac.id/detail?id=9999920540081&lokasi=lokal

---

Abstrak

Di Universitas Indonesia, khususnya di area barat laut Rektorat Universitas Indone- sia masih sedikit dilakukan penelitian yang mendalam mengenai water table dan zona akuifer. Penelitian ini akan membahas mengenai keberadaan zona water table dan zona akuifer dengan menggunakan metode geolistrik resistivitas kon gurasi dipole-dipole. Penelitian ini dilakukan dengan menggunakan 3 lintasan, dengan panjang lintasan masing-masing 88 meter dengan posisi lintasan sejajar, penelitian ini menghasilkan data penampang 2D dan penampang 3D dari daerah penelitian. Hasil dari penelitian ini menghasilkan visualisasi lapisan bawah permukaan berupa kondisi seperti zona water table dan keberadaan zona akuifer di lokasi penelitian. Berdasarkan model struktur tanah bawah permukaan, didapatkan bahwa zona water table dengan nilai resistivitas 9-78,9 ohm meter terletak pada kedalaman 3,8 meter.

.....At the University of Indonesia, especially in the northwest area of the University of Indonesia Rectorate, little in-depth research has been done on the water table and the aquifer zone. This research will discuss the existence of water table and aquifer zones using the Geoelectric method with dipole-dipole con guration. This research will be conducted using 3 tracks, with a track length of 88 meters each with parallel track positions, this research produces 2D cross-sectional data and 3D cross-sections of the research area. The results of this study produce visualization of the subsurface layer in the form of conditions such as the water table zone and the presence of aquifer zones in the research location. Based on the subsurface soil structure model, it is found that the zone of water table zone with a resistivity value of 9 - 78.9 ohm meters is located at a depth of 3.8 meters.