THE DETECTION OF FRACTURE PATERN AT RENOKENONGO VILLAGE PORONG SIDOARJO USING GEOELECTRICAL WENNER CONFIGURATION METHOD

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ABSTRACT

The research to detection of fracture patern at Renokenongo Village Porong Sidoarjo has been done using geoelctrical wenner (Resicstace Type 2D) configuration method. The Fracture was formed because alteration of porosity under the soil, because the mass of rock was blow up. Because of this fracture, every facilities which included on this patern was destroyed. In this research, the first line sphread out in 200 meter and direction E98°S, second line 120 meter on direction N5°E and third line 150 meter and on direction E90°S. From resume of resistivity section, was getted fathoming of fracture position. For the first line fracture position be an a place point 43 m; 57 m; 77 m; 98 m; 110 m; 125 m; 136 m. The second line fracture position be an a place point 50 m; 100 m. But on third line, the fracture was not found.

Key Word: Geoelectrical, Fracture, Wenner Configuration