

## **ABSTRACT**

# **CHARACTERISTICS OF COAL BASED MUARA ENIM FORMATION USING RESISTIVITY METHOD CONFIGURATION WENNER IN 'KREUZEN' FIELD IN SOUTH SUMATRA PROVINCE**

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In the exploration of coal, one of the geophysical methods used by geoelectric method. Geoelectric method is one method of geophysical method that uses surface electric potential field. The contrast of resistivity is rock that will change the electrical potential subsurface, so can we get some form of anomaly of the area to be studied.

In this study geoelectric method used to find the existence of coal is using Wenner-Gamma configuration. Current is injected into the lower surface of the earth and then the measured value of electrical potential difference and electric current, so that will get the value of the resistivity. Data collection was carried out on 11 lines, the electrodes spaced is 5 m and the path length is 235 m. presence of coal in the study area based on data 'true resistivity' and that are in the zone height (600ohm)

Keywords: *Resistivity* of coal revenues area .