

Penggunaan bersama data geofizik dan geologi dalam kajian akuifer aluvium pantai, kawasan Pekan-Rompin, Pahang

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A significant lowering of the groundwater level was identified at Pekan District due to large amounts of groundwater being pumped out from the coastal alluvial aquifer of the area. An increasing trend of salinisation of fresh water was also observed in the production wells of Nenasi Waterworks. Geophysical surveys were planned as part of the studies to gain basic hydrogeological information of the area besides identifying the problem. Reconnaissance geophysical survey was conducted using the transient electromagnetic technique to determine the brackish/salt water boundary. The result of the survey which was correlated together with geological data such as well log information, water level and groundwater chemistry data, have provided valuable hydrogeological information of the area and successfully identified the basal extent of the brackish/salt water boundary for further studies.
