

The influence of seawater to groundwater in Kuala Langat, Selangor

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Abstract: The groundwater characteristic in Banting, Kuala Langat Selangor is influenced by the criteria of aquifer types and the geomorphology of the areas. Thirteen monitoring wells were selected in this study, and are scattered at different stations in the study areas. There were eight parameters selected for this study, i.e. salinity, electrical conductivity, pH, total solids, phosphate, magnesium, strontium and turbidity.

The principal components analysis used as tools to see the correlations between parameters and reduce the dimension among the parameters selected. Normality testing was performed before proceeding to the principal components analysis to obtain the homogenies and representative data.

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