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Abstracts of Posters

A method to estimate groundwater recharge

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The conventional method of groundwater recharge estimation is reviewed and a computer program to ease the estimation is presented. The calculation takes into account precipitation, evaporation, soil moisture and the resultant recharge. The validity of the program is tested against MORECS data. An assessment of recharge to aquifer system in Langat river basin with the program suggests that preliminary annual recharge varies between 429.13 mm to 1,493.72 mm.

Kedah konvensional dalam menganggarkan imbuhan air tanah dinilai semula dan satu program komputer yang memudahkan penganggaran tersebut dipersembahkan. Pengiraan ini mengambilkira kerpasan, evaporasi, kelembapan tanah dan hasilan imbuhan. Ketepatan program ini telah diuji dengan data MORECS. Suatu penilaian imbuhan kepada akuifer dalam lembangan Sungai Langat dengan menggunakan program ini telah dijalankan dan mencadangkan anggaran awal imbuhan tahunan akuifer adalah di antara 429.13 mm dengan 1,493.72 mm.