

CETE73
**RECOVERY THE NATURE LAYERS AS ALTERNATIVE WAY ON STORM
WATER AND DRAINAGE PROBLEMS**

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ABSTRACT

Yearly forecasting indicates that the wet season occurs at short intervals. The flooding and drainage problems have been mutter from local and surrounding in Sri Gading area. The situation difficult to solve directly which that flat area and low infiltration rate. The investigation works on this location shows that the most of Parit Raja area occupied by compacted clays within 1-2 meters depth. It also contributes the failure of top layer to distribute the total runoff infiltrates to the layers below. These study efforts to determine the nature layers in real condition and identify the interaction parameters in stormwater movements. The recharge well system was applied as a potential layer to store some of stormwater runoff in the ground. Therefore, this study had a good impact as alternative solution and refreshing methods regarding the real area conditions.

Keywords: drainage system, recharge system, potential layer, stormwater