EVALUATION OF BANDA ACEH CITY DRAINAGE SYSTEM

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ABSTRACT
Along with the development and progress of the City, problems that often occur in the Area Peunayong Kuta Alam sub-district is a pool at certain places when the rainy season. High puddle that often occurs between 20-50 cm and length of a pool of between ± 2-6 hours.

Related to the above conditions conducted research that focused on the evaluation study, which is conducting technical analysis to determine the drainage system in Regions Peunayong Kuta Alam sub-district which includes the analysis of hydrology and hydraulics analysis.

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Evaluation results indicate that the main cause of a puddle in the Area Peunayong Kuta Alam sub-district is the capacity of drainage channels that are not able to accommodate the incoming rain water discharge. It also drains are not maintained well. Therefore it is necessary to increase channel capacity. From the calculation results with the existing drainage discharge plan contains 50% of the length of the existing channel capacity is insufficient and requires normalization.