

A Research on Waste Water Characteristic in Perumahan Taman Graha Asri and Griya Permata Asri, Serang

Tatang Hadiyat

ABSTRACT

The more rapid formal housing development in Serang will definitely increase waste water source produced by its housing activities. The lack of integrated wastewater (grey water) treatment system encourages the housing resident to cast their wastewater directly to Cibanten River. The aim of this study is to review the characteristics of the domestic wastewater produced by residents of Perumahan Taman Graha Asri and Griya Permata Asri, based on the land area classification on its house unit and residents' socio-economic characteristics. The analysis of house supply pattern is done by reviewing the supply of housing based on land area and analysis results of the differences of house supply pattern between these two residences.. The analysis results against the characteristic shows that there are differences of waste water characteristics which is produced by the residents living in Taman Graha Asri and Griya Permata Asri, either in quality and quantity. Some factors are indicated as the causes of its waste water characteristics differences, that the socioeconomic condition of its community or housing occupants, their behavior in water utilization, drainage and the physical condition of the environment infrastructures. It is recommended that some behavior changes in the management of basic environment infrastructures are needed. Developers responsibility in maintaining the infrastructures has to be done because of the absent of assets handover with local government. They should start to pay attention and to manage domestic waste water, especially which is produced by the houses that directly related to watershed.

Keywords: waste water characteristics, Taman Graha Asri Residential, Griya Permata Asri Residentials.