

**PERANCANGAN SISTEM PENYALURAN DAN BANGUNAN PENGOLAHAN AIR
BUANGAN DOMESTIK
KELURAHAN CIRACAS, JAKARTA TIMUR**

Rahayu Indah K, Wiharyanto Oktiawan, Dwi Siwi H

Abstract

Ciracas which is located in East of Jakarta, is inclusive of solid settlement area. Like usual other areas in Jakarta, Ciracas also has many environmental issues. One of them is management of domestic wastewater. Disposal of domestic wastewater from daily activities like bath, washing, and water closet, distributed by drainage channel which supposed to distribute rainwater. For feces management, civiliant still using conventional septic tank as treatment technology. From phisycal condition of this area, Ciracas has flat topograph, high groundwater condition, and low permeability, so onsyte management can no be used anymore because it can be highly potential to polute ground water.

The solution for that problem is changging the management into off site management, means that the distribution of domestic wastewater done by pipelines system (sewerage system), which completed with biological reactor as name as Anaerobic Filter (AF). This way must to do to avoid environmental issues and health problems around Ciracas areas. Beside that, that off site system creating residential which health, estetics, comfort, and suitable living.

Keywords : Ciracas, On Site System, Off Site System, Sewerage System, Anaerobic Filter (AF)