

**DETAIL ENGINEERING DESAIN (DED) SISTEM  
PENYALURAN AIR BUANGAN DAN INSTALASI PENGOLAHAN  
AIR BUANGAN PERUMAHAN SEDERHANA HUNIAN (RSH) TAMAN SENTOSA  
DESA NGARGOREJO, KEC. NGEMPLAK, KAB. BOYOLALI**

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**Abstract**

*RSH Taman Sentosa Residence is an unpretentious residence type which is located at Ngargorejo Village, Boyolali Regency. Due to the condition of the area, which are short-separated to each house, limited land, a flat surface area, and the worried about the water pollution contamination if each of the the house build a septic-tank system, the developer of this residence will build a sewerage system for its domestic waste. The sewerage system applied an off-site system, means that the domestic waste will flow on a closed pipe network. Furthermore, for advanced treatment uses a sump well with pump, initial settled-basin, anaerobic filter basin, aerobic filter basin, and a collector basin. Hopefully, those advanced treatments can solve the environmental problem in the area of RSH Taman Sentosa Residence. On the conclusion with all the system and advanced treatments that applied can make a healty living residence, comfortable, have a good aesthetic value, and proper to be inhabited.*

*keyword: RSH Taman Sentosa Residence, off-site system management, the advanced treatment*