

ABSTRAK

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Program Studi : Teknik Sipil
Judul : Perancangan Bangunan Instalasi Pengolahan *Grey Water*
Kawasan Apartemen (Studi Kasus : Rasuna Epicentrum)

Skripsi ini membahas mengenai perancangan bangunan instalasi pengolahan *grey water* dari segi analisa kelayakan biaya investasi secara ekonomi dengan membandingkan dengan pengelolaan air limbah domestik yang diterapkan di Rasuna Epicentrum saat ini. Perancangan bangunan instalasi pengolahan disesuaikan dengan kondisi lapangan setempat. Analisa perhitungan ditinjau dalam periode 100 tahun dan diketahui bahwa untuk pengolahan *grey water* saat ini lebih ekonomis dari pengolahan yang direncanakan (IPGWR). Oleh karena itu, diperlukan mengenai penelitian lebih lanjut mengenai karakteristik/kualitas *grey water*.

Kata kunci :
Instalasi pengolahan, *Grey water*, Biaya investasi, Karakteristik/kualitas

ABSTRACT

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Title : Construction Design Grey Water Treatment Plants on
Apartement Area (Case Study : Rasuna Epicentrum)

This study explained about designs of constructions grey water treatment plants which is evaluated investment cost economically between current treatment in this site location (at Rasuna Epicentrum) and designed treatment plants. Construction design of grey water treatment plants adapted for the condition local field. Analysis calculation should be evaluated in periods 100 years and known that for the processing of grey water in this time more economic of planned processing (IPGWR). Therefore, it was needed for further research concerned about characteristic/quality of grey water.

Key words :
Treatment plants, Grey water, Investment cost, Characteristic/quality