

POLITEKNIK KESEHATAN KEMENKES TANJUNGPURUNAN JURUSAN  
KESEHATAN LINGKUNGAN

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Perencanaan Jamban Komunal Sehat Sederhana Di Desa Kurungan Nyawa  
Kecamatan Gedong Tataan Kabupaten Pesawaran

Xii + 71 halaman, 5 tabel, 1 lampiran dan 7 gambar.

RINGKASAN

Jamban sendiri terdiri dari tiga komponen yaitu tempat jongkok (toilet atau WC), septictank, dan peresapan. Untuk memperoleh jamban sehat maka ketiga komponen tersebut harus memenuhi syarat seperti yang dicantumkan dalam SNI 2398-2017 (Badan Standarisasi Nasional, 2017) agar tidak menimbulkan pencemaran lingkungan pada sumber air dan bau busuk serta estetika.

Sumber limbah cair berasal dari pembuangan dan proses rumah tangga dan kamar mandi, cuci, kakus, dan dapur dan termasuk tinja yang berasal dari pemukiman yang berpenduduk sebanyak 10 KK = 45 orang. Debit limbah pada penelitian ini diambil menggunakan studi literatur yaitu 120 L/orang/hari. Dari hasil perhitungan pada penelitian ini didapatkan hasil volume total tangki 30,33 m<sup>3</sup>, dan dimensi tangki septic panjang 8 m, lebar 2,6 m, tinggi 1,95 m sedangkan dimensi sumur resapan panjang 2,3 m, tinggi 1,95 m dan lebar 1,3 m.

Alur desain perencanaan pada penelitian ini adalah merencanakan tangki septic dan bidang resapan. Pihak desa kurungannyawa diharapkan dapat membuat dan melakukan pemeliharaan bangunan jamban yang telah direncanakan agar proses pengolahan limbah cair tetap berjalan dengan baik. Pembuatan jamban yang telah direncanakan ini diharapkan dapat mengurangi resiko BABS yang takut nantinya akan menimbulkan berbagai penyakit berbasis lingkungan.

Kata kunci : Jamban komunal sehat sederhana  
Daftar bacaan : (1997-2021)

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DEPARTMENT OF ENVIRONMENTAL HEALTH

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Simple Healthy Communal Latrine Planning In The Village Of Life Confinement  
Gedong Tataan District Pesawaran Regency

xiv + 71 pages + 5 tables + 1 attachments + 7 picture

### SUMMARY

The latrine itself consists of three components, namely a squat place (toilet or WC), septic tank, and impregnation. To obtain a healthy latrine, the three components must meet the requirements as stated in SNI 2398-2017 (National Standardization Agency, 2017) so as not to cause environmental pollution in water sources and foul odors and aesthetics.

The source of liquid waste comes from the disposal and processes of households and bathrooms, washes, latrines, and kitchens and includes feces that come from settlements with a population of 10 households = 45 people. The waste discharge in this study was taken using a literature study, which was 120 L / person / day. From the calculation results in this study, the total volume of the tank was 30.33 m<sup>3</sup>, and the dimensions of the septic tank were 8 m long, 2.6 m wide, 1.95m high while the infiltration well dimensions were 2.3m long, 1.95 high and 1.3m wide.

The planning design flow in this study is to plan the septic tank and the infiltration field. The confinement village is expected to be able to make and carry out maintenance of the latrine building that has been planned so that the liquid waste treatment process continues to run well. The planned latrine making is expected to reduce the risk of defecation which is afraid that it will later cause various environmental-based diseases.

Keywords : Simple healthy communal latrine

Reading list : (1997-2021)