

Perencanaan aspek teknis operasional sampah berdasarkan timbulan dan komposisi sampah di Mal Depok Town Square = Solid waste management planning based of solid waste generation and composition in Depok Town Square Mall

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Abstrak

Sampah yang dihasilkan oleh mal DETOS berasal dari gedung mal, gedung kantor, lahan parkir. Karakteristik sampah yang berasal dari ketiga sumber tersebut berbeda sehingga penanganan sampah yang dilakukan berbeda. Penelitian ini bertujuan dalam memberikan usulan aspek teknis operasional sampah. Pemilihan DETOS, salah satu mal besar di Depok, didasarkan atas TPS eksisting tidak memenuhi kriteria acuan dan sampah masih dapat terlihat oleh pengunjung. Pengukuran timbulan dan komposisi sampah mengacu pada SNI 19-3694-1994. Timbulan sampah yang diperoleh dari sumber timbulan gedung mal, gedung kantor, dan lahan parkir berturut-turut sebesar 2.319,15 kg, 17,79 kg, dan 7,235 kg. Laju timbulan sampah dari sumber timbulan gedung mal, gedung kantor, dan lahan parkir berturut-turut sebesar 0,059 kg/orang/hari; 0,299 kg/orang/hari; dan 0,001 kg/m²/hari. Data-data yang diperolah akan digunakan sebagai acuan dalam menentukan usulan perencanaan aspek teknis operasional dan mendapatkan nilai jual sampah. Usulan aspek teknis operasional yang diberikan berupa pemilahan, pewadahan, dan teknologi pengolahan sampah. Nilai jual sampah sampah organik Rp 295.9340/tahun dan anorganik Rp 322.562.878/tahun dari ketiga sumber.

.....Waste generated by the DETOS derived from building mall, office building, and parking lots. Characteristics of solid waste that comes from these three are different so that the waste management is done differently. This research aims to determine the planning of solid waste operations technical aspects. The reason of selection DETOS, one of the large malls in Depok, based on the existing TPS does not meet the criteria of reference and waste can still be seen by visitors. Measurement of generation and composition of solid waste refers to the SNI 19-3694-1994. Weight of waste that is obtained from mall building, office building, and parking lots in a row amounted to 2.319,15 kg, 17,79 kg, and 7,235 kg. Waste generation that is obtained from mall building, office building, and parking lots in a row amounted to 0,059 kg/orang/hari; 0,299 kg/orang/hari; and 0,001 kg/m²/hari. The data obtained used to determine the planning of operational technique aspect and getting the sale value of solid waste. Planning of operations technical aspects provided in the form of separation, storage, and processing technologies of solid waste. The sale value of organic waste is Rp 295.9340/year and inorganic Rp 322.562.878/year from the three sources.