

Studi timbulan dan komposisi sampah di lingkungan SMA kecamatan Pancoran Mas Depok studi kasus SMAN 1 Depok SMA Sejahtera 1 Pancoran Mas dan SMA Muhammadiyah 1 Pancoran Mas = Study of solid waste generation and composition at Pancoran Mas subdistrict high school case study SMAN 1 Depok SMA Sejahtera 1 Pancoran Mas and SMA Muhammadiyah 1 Pancoran Mas / Wahyu Kusuma Hidayati

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Abstrak

ABSTRAK

Pertumbuhan jumlah penduduk akan mengakibatkan timbulnya permasalahan-permasalahan lingkungan, salah satunya adalah masalah penanganan sampah. Menumpuknya jumlah sampah di TPA mengakibatkan berbagai permasalahan kesehatan maupun sosial. Penelitian ini membahas timbulan dan komposisi sampah di lingkungan SMA di kecamatan Pancoran Mas Depok, metode yang digunakan berupa modifikasi dari SNI 19-3964-1994. Hasil yang didapatkan Presentase daur ulang di SMA Negeri 1 Depok menunjukkan bahwa SMA Negeri 1 Depok memiliki presentase sampah daur ulang yang paling besar yaitu sampah gedung sebesar 45% dan sampah kantin sebesar 48%. Sampah gedung SMA Sejahtera 1 Pancoran Mas sebagian besar berpotensi di daur ulang dengan presentase lebih dari 34% sedangkan sampah kantinnya sebagian besar tidak dapat didaur ulang (57%). Sampah di SMA Muhammadiyah 1 Pancoran Mas sebesar 42% dapat didaur ulang dan sampah kantinnya sebesar 65% berpotensi untuk didaur ulang. Selain itu menurut proyeksi yang dilakukan, sebesar 38% sampah yang dihasilkan oleh SMA di Kecamatan Pancoran Mas, Depok dapat didaur ulang, dan sebesar 33% berpotensi untuk didaur ulang.

ABSTRACT

Population growth cause many environmental problems, one of the problem is waste management. Solid waste accumulation in the landfill cause many social and health impact. The focus of this study is solid waste generation and composition at Pancoran Mas Subdistrict High School. The methods which being used is modification of SNI 19-3964-1994. The result of this study are waste recycled percentage. SMAN 1 Depok has the highest precentage of waste recycled, waste from building is 45% and waste from canteen is 48%. Most of solid waste from SMA Sejahtera 1 Pancoran Mas building have potential to be recycled mre than 34%. However most of solid waste from canteen can not be recycled (57%). Solid waste from SMA Muhammadiyah 1 Pancoran Mas building that can be recycled is 42% and the solid waste from canteen wich is 65% have potential to be recycled. According to the projection that has been done, shows that 38% of solid waste that generated from SMA in Kecamatan Pancoran Mas can be recycled and 33% have potential to be recycled