

# Evaluasi Tempat Pengolahan Sampah Terpadu dan Potensi Material Daur Ulang Sampah (Studi Kasus : TPST Rawasari, Jakarta Pusat) = Evaluation and Potential of Recycling Waste at Rawasari Material Recovery Facility (MRF), Central Jakarta

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## Abstrak

Sampah merupakan permasalahan yang perlu ditangani dengan baik terkait dengan dampak yang ditimbulkannya. Upaya Pemerintah Daerah Provinsi DKI Jakarta dalam rangka kegiatan pengelolaan sampah kota secara terpadu menuju zero waste dengan pendekatan 3R Reuse, Reduce, Recycle di skala kawasan yakni dengan dibentuknya Tempat Pengolahan Sampah Terpadu TPST . Salah satu TPST yang telah beroperasi di DKI Jakarta diantaranya TPST di Rawasari, Jakarta Pusat. Metode penelitian dilakukan dengan survey lapangan dan wawancara. Untuk pengukuran timbulan dan komposisi sampah dilakukan berdasarkan SNI 19-3964-1994. Evaluasi dilakukan untuk mengetahui kesesuaian aspek teknis penyediaan TPS dibandingkan dengan peraturan yang berlaku. Berdasarkan hasil penelitian diperoleh komposisi sampah di TPST Rawasari yaitu 60,02 sampah organik, 36,64 sampah anorganik dan 3,34 sampah B3. Timbulan yang dihasilkan yaitu 0,792 kg/orang/hari atau 3,805 L/orang/hari. Nilai recycling rate eksisting dan nilai recovery rate eksisting sebesar 12,756 dan 67,297 kemudian potensi recycling rate didapatkan sebesar 21,181 dan potensi recovery rate sebesar 81,202.

.....Waste is a problem that needs to be handled properly associated with the impact it produces. Efforts of DKI Jakarta Provincial Government in the framework of integrated city waste management activities towards zero waste with 3R approach Reuse, Reduce, Recycle at the regional scale with the establishment of Material Recovery facility. One of the MRF that has been operating in DKI Jakarta are TPST in Rawasari, Central Jakarta. The research method is done by field survey and interview. The evaluation was conducted to determine the conformity of the technical aspects of the provision of MRF compared to the prevailing regulations. For the measurement of waste generation and composition in accordance with SNI 19 3964 1994. Based on the results of the research, the composition of garbage in MRF Rawasari is 60,02 organic waste, 36.64 of inorganic waste and 3,34 of B3 waste. The resulting generation is 0.78 kg person day or 3,805 L person day. Value of existing recycling rate and recovery rate is 12,756 and 67,297 .with potential of recycling rate is 21,181 and potential of recovery rate is 81,202.