Pengaruh Recycle dan Recovery sampah terhadap jumlah sampah yang masuk ke TPA Cipayung, Depok dengan menggunakan model MFA (Material Flow Analysis) = Influence of solid waste Recycle and Recovery to amount of solid waste which enter into TPA Cipayung, Depok by using MFA (Material Flow Analysis) models

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Abstrak

Kondisi eksisting sistem pengelolaan sampah di TPA Cipayung, Depok berupa penerimaan, pencatatan, penataan dan pemadatan sampah di kolam sampah. MFA (Material Flow Analysis) yang dibentuk melalui model kesetimbangan massa STAN (short for subSTance flow ANalysis) versi 2.0 digunakan untuk menganalisa aliran material serta pengaruh recycle dan recovery sampah pada sistem TPA Cipayung. Skenario paling tepat mereduksi jumlah sampah yang masuk ke TPA Cipayung untuk ditimbun serta memperpanjang umur layan TPA adalah skenario 3 (optimalisasi dan penambahan jumlah UPS Hanggar TPA Cipayung untuk pengomposan, peningkatan pemilahan dan pemberdayaan sampah di kolam sampah untuk daur ulang serta bahan baku RDF/Refuse Derived Fuel).

.....The existing condition of solid waste management system at TPA Cipayung, Depok be matter of receiving, recording, structuring and compacting waste in landfill. MFA (Material Flow Analysis) be built in the mass balance model STAN (short for subSTance flow ANalysis) version 2.0 used to analyze the material flow and the influence of solid waste recycle and recovery at TPA Cipayung system. The most appropriate scenario for reducing the amount of waste which enter into TPA Cipayung, Depok to be dumped as well as extend the life span of the landfill is scenario 3 (optimization and addition of UPS Hanggar TPA Cipayung for composting, increase the waste separation and empowerment at landfill for recycling also RDF/ Refuse Derived Fuel raw material).