

ABSTRACT

Arif Prasetya.S. Optimalitation transportation garbage in Bandung city by Perusahaan Daerah Kebersihan, case by PD Kebersihan kota Bandung. (under the supervision of Dudy Sudrajat Abdurachim)

As waste are close related with human day-to-day activities as shown by the volume of daily waste disposal, this waste problem requires continuous attention and treatment. The waste characteristics creates negative effects such as air and water population, health disturbance, aesthetics, etc, and those are several reason why this matter needs better handling.

Perusahaan Daerah Kebersihan Kota Bandung is the only company operating the waste management in Bandung ensuring city cleanliness and supporting her vision and mission in improving Bandung as City of Services. The vision of Perusahaan Daerah Kebersihan Kota Bandung is “ Kota Bandung Bersih 2004 “, while one of her mission is improving quality ang quantity of services.

Among all Perusahaan daerah Kebersihan operating expenses, the transportation budged is the second highest expenxes after the admin and labour budget. Therefore, a research on cost efficiency of waste transportation in Bandung was implemented to identify problems related to waste collection and transportation, and furthermore find a new method or mechanism in waste management.

To find the optimum cost of waste transportation a minimum cost method are use in this research, with transport network from three area of waste resources : West, Central and East- Bandung to final destination at Tempat Pembuangan Akhir (TPA) Leuwigajah and Tempat Pembuangan Akhir (TPA) Jelegong.

After calculating and implementing the minimum cost method analysis it is obvious that implementing linear transport program model and through stepping stone method testing, the transport program cost could be reduced from Rp 6 120 325,-/day to Rp 1 002 377,-/day. Wich means that Perusahaan Daerah Kebersihan will be able to save Rp 1 868 051 020,- a year on transportation with the assumption that both Tempat Pembuangan Akhir (TPA) are normaly availabe everyday.