



BALIKPAPAN CITY, INDONESIA

3R Management System

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Starting Point

Reorganization

The reorganization of environmental management institutions by increasing waste management has caused an increase in workload

Important role of new Institution

- Efficiency in waste management
- Increase waste fees to balance the budget issued

3R Pilot Project: Source Separation of Waste Gunung Bahagia Village

- 2014 cooperation between Government of Indonesia and JICA, Japan, Balikpapan and Palembang are appointed as pilot project for source separation of waste (3R)
- Balikpapan city establishes the Gunung Bahagia village as the location of the pilot project from 13 to 57 RT



Institutional Setting

Old Scheme



Institutional Setting

New Scheme



SOURCE SEPARATION

SEPARATE, COLLECTION AND PROCESSING

RESIDUE TO LANDFILL

Approach



Balikpapan Mayor Regulation Number 38 Year 2018 concerning Balikpapan City Waste Management Strategy Policy has been published.

- 1. Direction of Waste Reduction and Handling Policy for Household Waste and Household-like Waste;*
- 2. Strategies, Programs and Targets for Reducing and Handling Household Waste and Similar Household Waste*

Waste Reduction and Handling

Waste Reduction Target

18%

20%

22%

24%

26%

27%

28%

30%



2018

2019

2020

2021

2022

2023

2024

2025

Waste Handling Target

73%

80%

75%

74%

73%

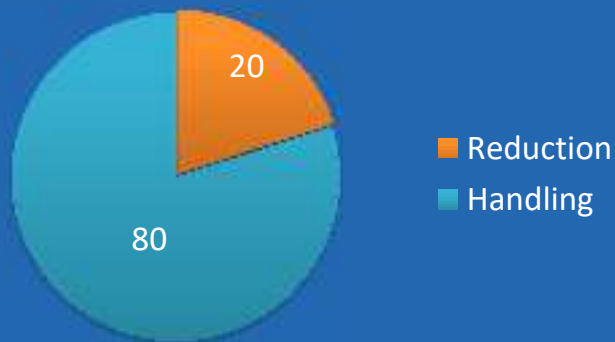
72%

71%

70%

Outputs

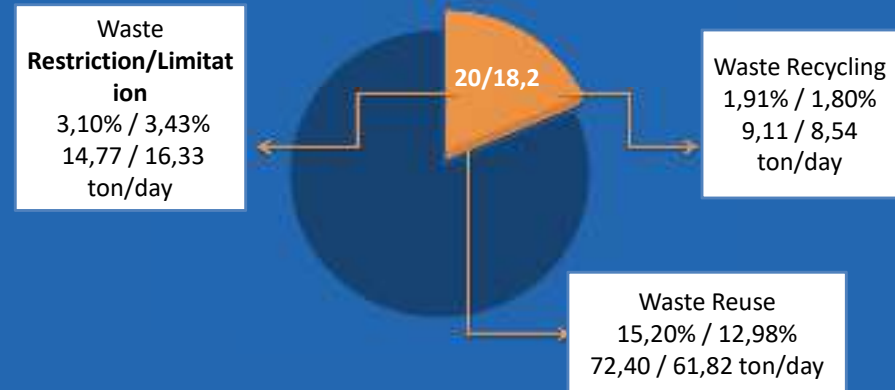
Jakstrada Target for 2019



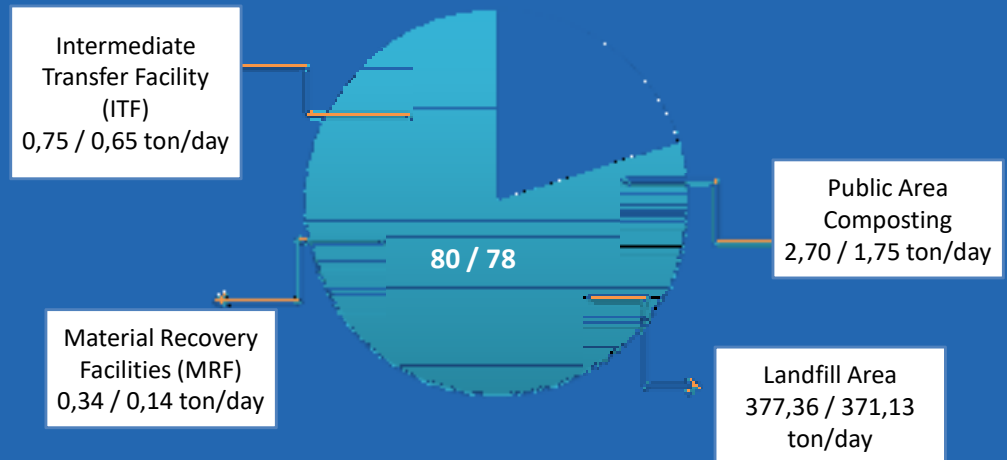
Target Source of Waste Reduction

- Retail
- School
- Household
- Restaurant
- Hotel
- Office space
- Department store
- Traditional market
- Wholesaler
- Bakery
- Recreation areas
- Tourism site
- Public facilities
- Airport
- Unit Waste Bank

Target / Reduction Actual in 2019



Target / Handling Actual in 2019



Lessons

1. Efficiency in operational landfill budget
2. Efficiency in waste transportation system
3. Efficiency in waste temporary construction budget
4. Efficiency in waste disposal

The role of the community is very important, especially for efficiency in waste construction budget by improving waste management through biopori method and composting.



Transfer



Cost of operational Landfill is **VERY EXPENSIVE**

therefore it is necessary to implement

Zero Waste to Landfill Commitment

And start with

Source Separation of Waste

Expansion

Source separation of waste to another village: Graha Indah and Sepinggan.

Socialization

With Clean, Green, and Healthy Program and E-Office.

Colaboration

With stakeholders (pickup transportation, waste bank, etc) .

Cooperation

Waste Management funding scheme through KPBU - Private Public Partnership (PPP).

Thank You

