





IN BALIKPAPAN CITY INDONESIA

SOURCE SEPARATION OF WASTE





GENERAL DESCRIPTION

: 50.330 Ha Area

Population : 735.850 (2015)

Topography : 85% Hilly

15% Flat Land

STRATEGIC POSITION



International Airport and Seaport Gate to East and North Kalimantan

Province





Center of Oil Refinery, and Gas Companies in Eastern Indonesia

Lies in ALKI II Lane and Integrated Economic Development Region (KAPET)



VISION 2016 - 2021

Creating Livable and Sustainable
Balikpapan
Towards Madinatul Iman (Civil Society)





Producing Competitive Human Resources



Creating a Livable and Sustainable City



Providing Satisfactory City Infrastructure



Developing a creative, Democratic Economy



Establishing Good Governance



ECOLOGICAL CITY CONCEPT



Reforesting the City with:

2 Protection Forest 20 City Forest



Green Industry

Development of Indusrial Area with the concept of

0 Waste

0 Sediment



Zero Waste to Landfill

Reducing waste to Landfill with 3R

3 R

(Reduce, Reuse, Recycle)



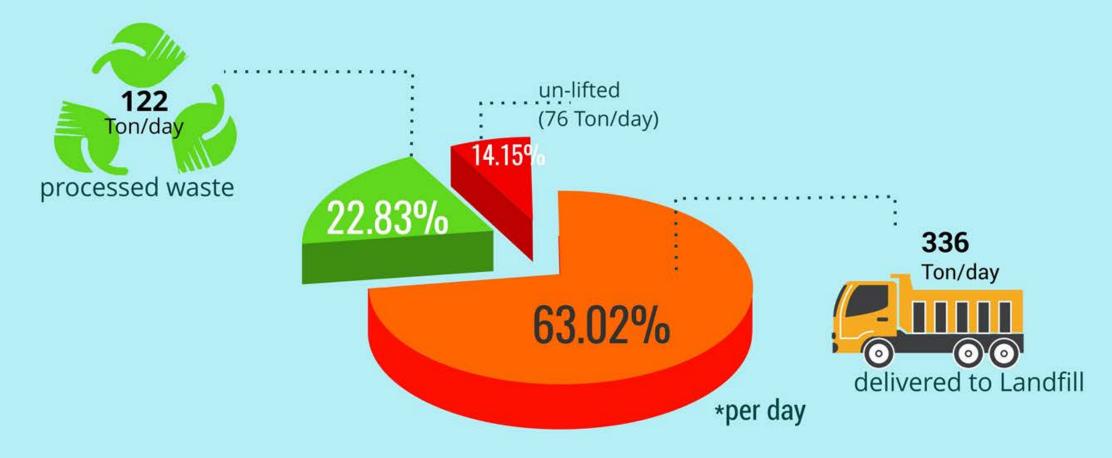
Strengthen City's resilient toward climate change effect

Baseline GRK



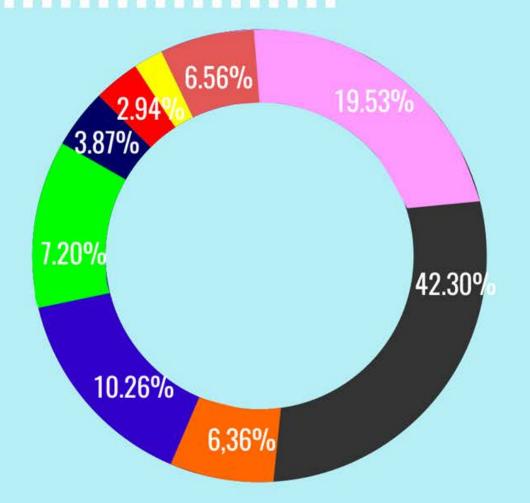
WASTE MANAGEMENT 2016

534 Ton Total Amount of Waste/Day





WASTE COMPOSITION

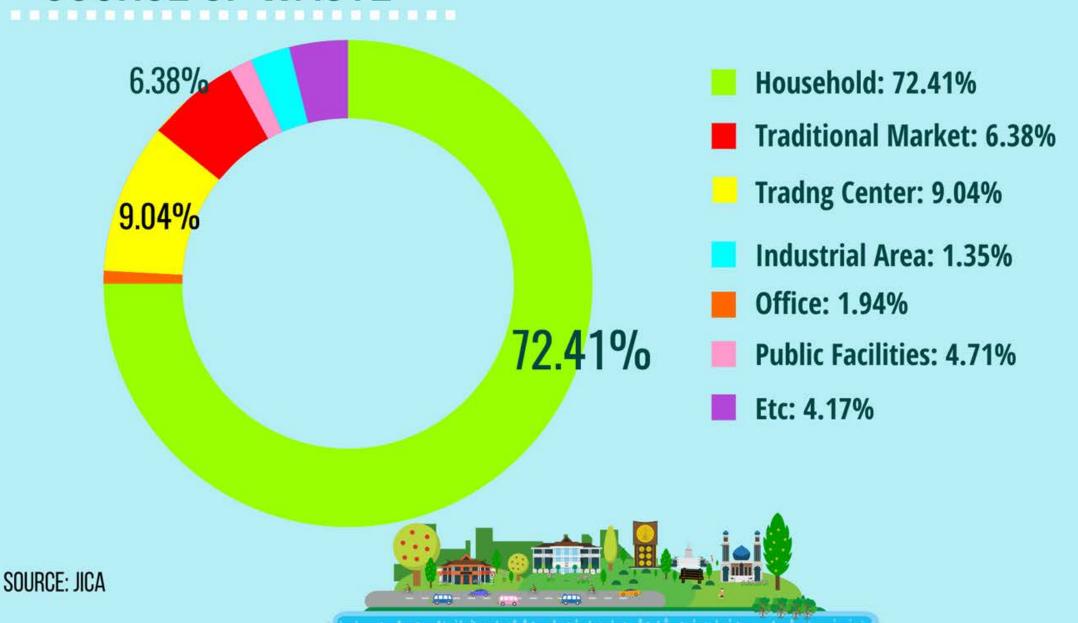


- **■** Leftovers: 42.30%
- Plastics: 7.20%
- Papers: 10.26%
- Metal: 3.87%
- Glass: 6.56%
- Fabrics and Textill: 2.94%
- Rubber and Leather: 0,98%
- Wood, branch and Leaves: 6.36%
- **Etc: 19.53%**

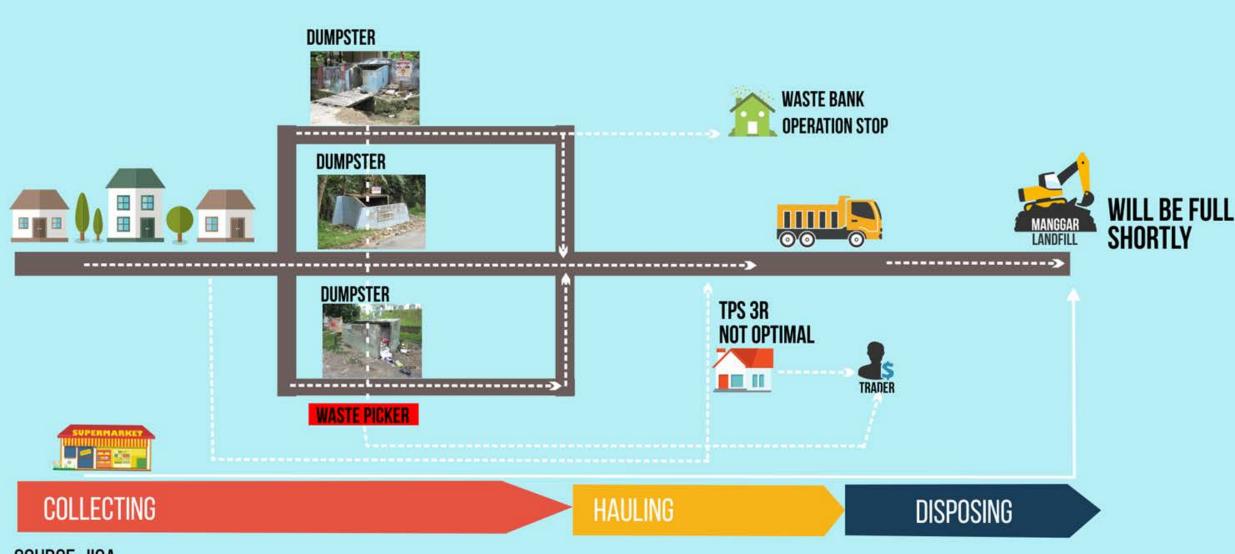


SOURCE: JICA

SOURCE OF WASTE



WASTE COLLECTION SYSTEM (PRESENT)



SOURCE: JICA

SOURCE SEPARATION (3R)

BALIKPAPAN

AND PALEMBANG ARE APPOINTED AS
PILOT PROJECT FOR SOURCE SEPARATION
OF WASTE (3R)

13 RT ---> 57 RT
BEGIN WITH 13 NEIGHBOURHOOD (RT) WITH
4 ZONES

2014

COOPERATION BETWEEN GOVERNMENT OF INDONESIA AND JICA, JAPAN

GUNUNG BAHAGIA

AS THE FIRST URBAN VILLAGE
TO RUN THIS PILOT PROJECT

GOALS

INCREASE PUBLIC AWARDNESS FOR
WASTE MANAGEMENT WITH 3R IN ATTEMPT
TO REDUCE WASTE TO LANDFILL



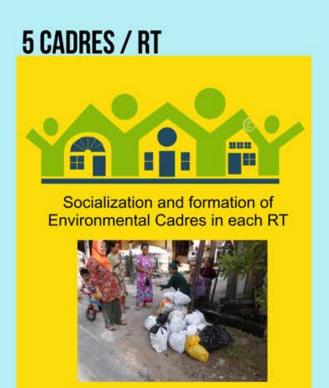


WASTE COLLECTION SYSTEM (PILOT PROJECT 3R) GUNUNG BAHAGIA VILLAGE



SOURCE: JICA

SOURCE SEPARATION





HALTE SAMPAH





SEPARATE COLLECTION



- Inaugurated of February 2016
- · Located at Gn. Bahagia Village
- aims to separate recyclable waste as follow up of waste separation from household
- processing capacity: 30 Ton/day











SEPARATE COLLECTION



- Will be operate in June 2017
- · Located at Perum Kota Hljau
- aims to produce compost from organic waste household and market waste for greenery
- processing capacity 10 Ton/day









SEPARATE COLLECTION



- The place used to receiving inorganic waste has economic value
- public waste collected, then calculated and paid by the waste bank
- there are 105 Waste Bank has operated in Balikpapan





TRANSPORTATION



Organic Waste:

→ Waste Collection on Halte Sampah is picked by 3 pick-up trucks transfer collected waste to container(8 m3) to landfill



- Recyclable Waste:
- → Waste Collection on Halte Sampah is picked by 2 pick-up trucks transfer collected waste to container(8 m3)
- → Deliver dried waste to MRF

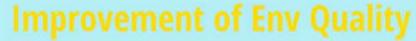




BENEFITS







by activation Halte Sampah and shutting down 7 communal bins, there is no more unpleasant odor and scattered waste

Waste Collection Efficiency

Increasing work condition for waste collection

Waste Reduction to Landfill

waste reduction to landfill drop until 30%





