



Waste4Change

Your Responsible Waste Management
Solution

Who Is Waste4Change?



waste4
change

PT Wasteforchange Alam Indonesia

A *social-enterprise* founded in 2014 that give services in waste management with enviromental friendly and responsible approach towards zero-waste Indonesia.

Tagline

*"Responsible Waste
Management"*

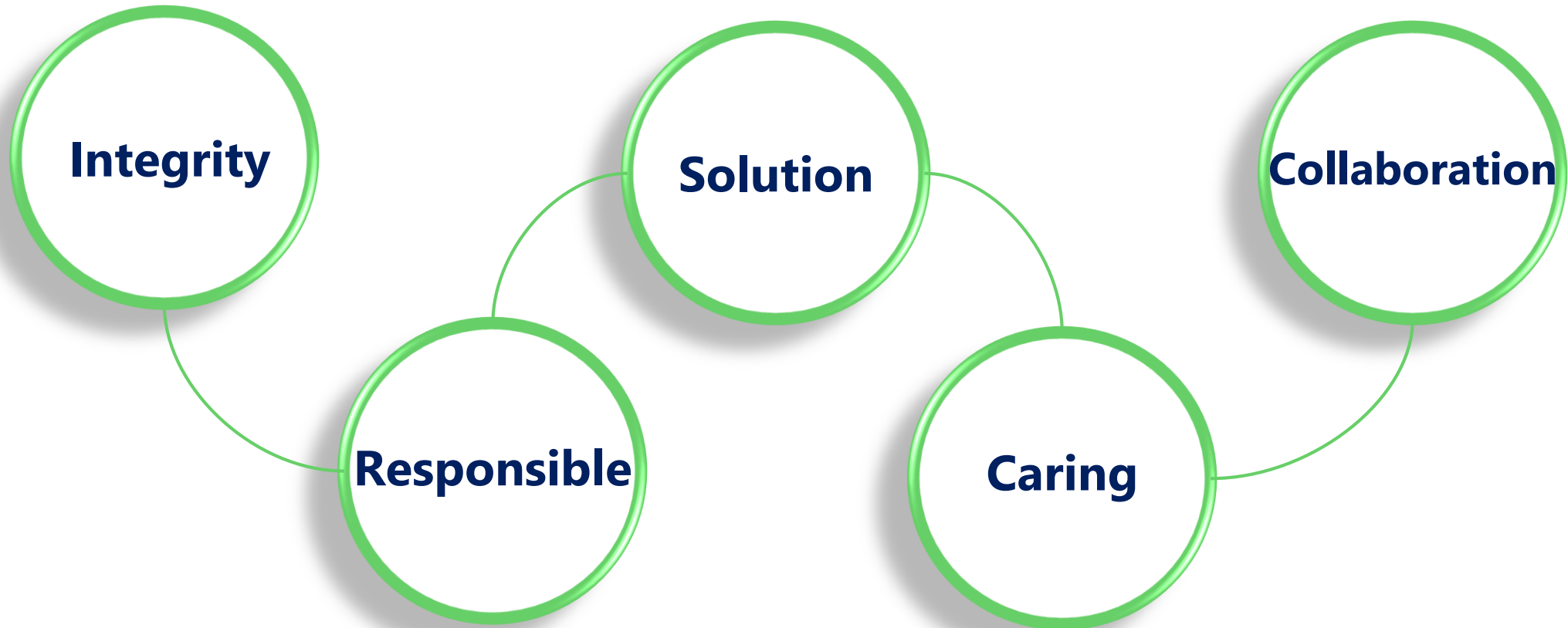
Strategy

Behaviour change in Waste Management with collaboration and technology towards zero-waste Indonesia

OUR VISION

To become leader in providing
ethical and responsible waste
management solutions
towards zero waste

OUR VALUE





Waste Management Problem



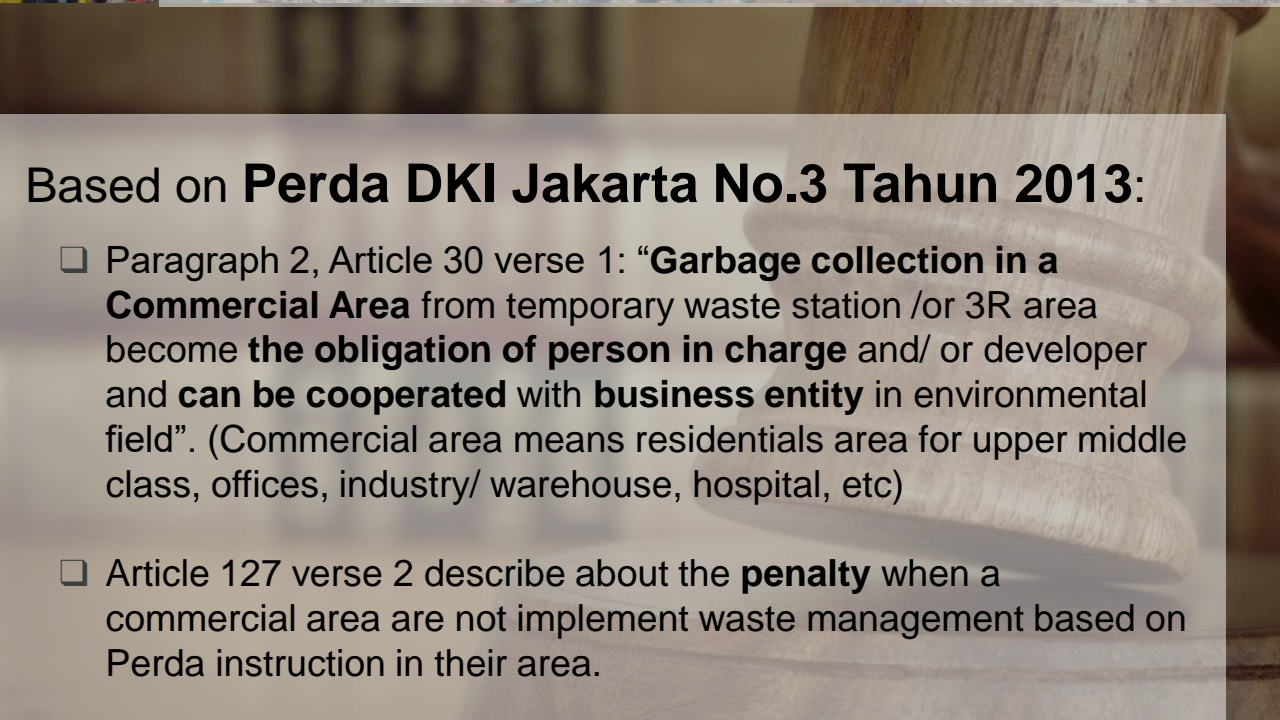
Where is our waste ENDED up?

- Everyday, Indonesian people generate **175.000** ton of waste.
- DKI Jakarta resident can build **1 Borobudur Temple per 2 days** from waste, **ONLY** to be collected and **thrown to Bantar Gebang Landfill** in Bekasi.



This condition create many bad effects, such as:

- × **Polution on land, water, and air** caused by mixed waste
- × **Overload Landfill area**
- × **Health & safety problem for scavanger** because they are directly contacted with dangerous substances which are produced by mixed waste



Based on **Perda DKI Jakarta No.3 Tahun 2013**:

- ❑ Paragraph 2, Article 30 verse 1: “**Garbage collection in a Commercial Area** from temporary waste station /or 3R area become **the obligation of person in charge** and/ or developer and **can be cooperated** with **business entity** in environmental field”. (Commercial area means residential area for upper middle class, offices, industry/ warehouse, hospital, etc)
- ❑ Article 127 verse 2 describe about the **penalty** when a commercial area are not implement waste management based on Perda instruction in their area.



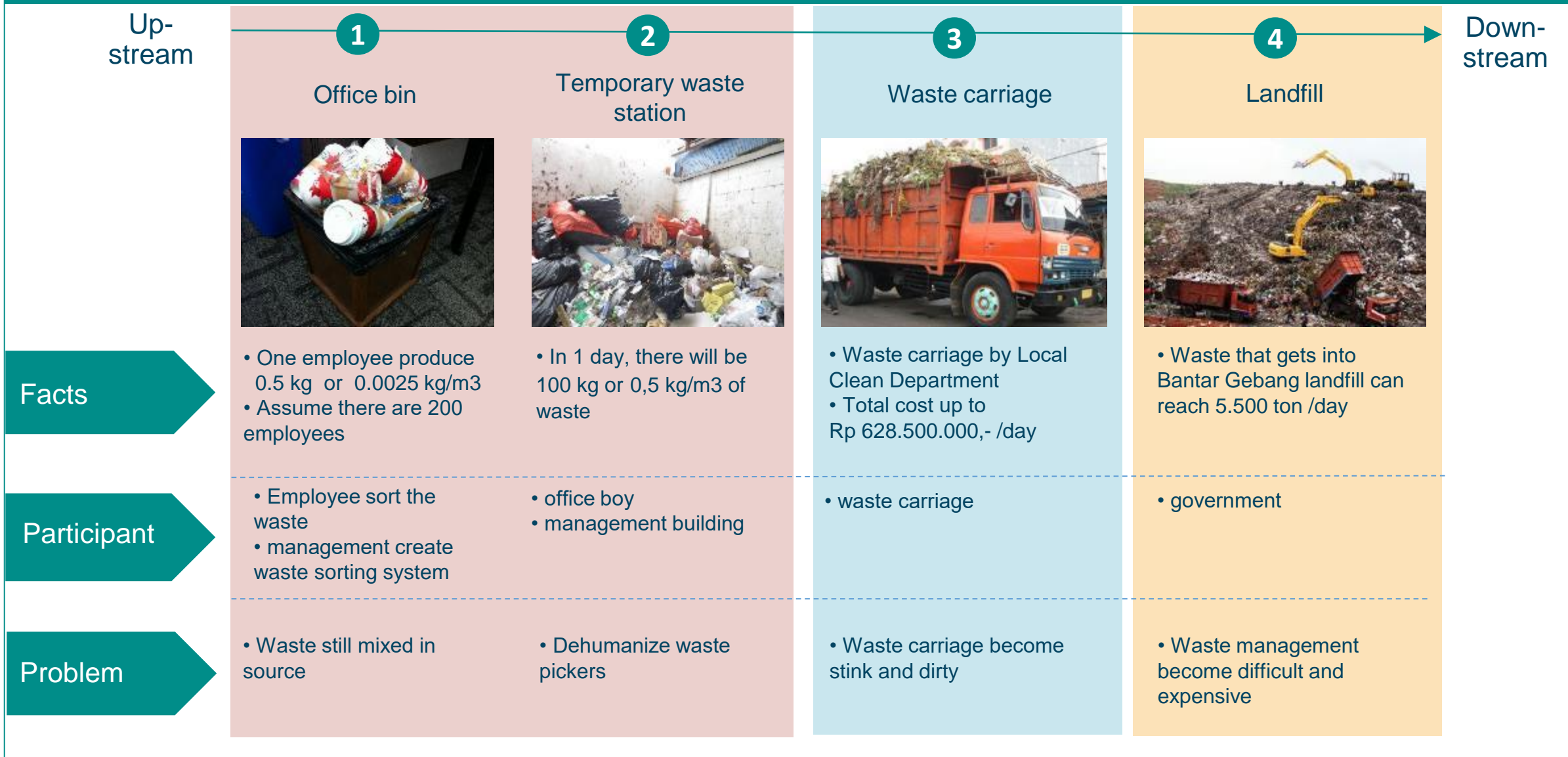
When the environment is this bad, how can we ensure business sustainability? Because it's from the **environment we live and keep the business running.**

Take this also into your consideration:

- The Nielsen Global Survey on Corporate Social Responsibility shows that **55% consumer** will buy more product from company which support social & environment issues
- Your company can **increase sales** by put your environmental-sustainability effort into marketing & PR communication

This is how our waste management today

Collect – Carried - Thrown



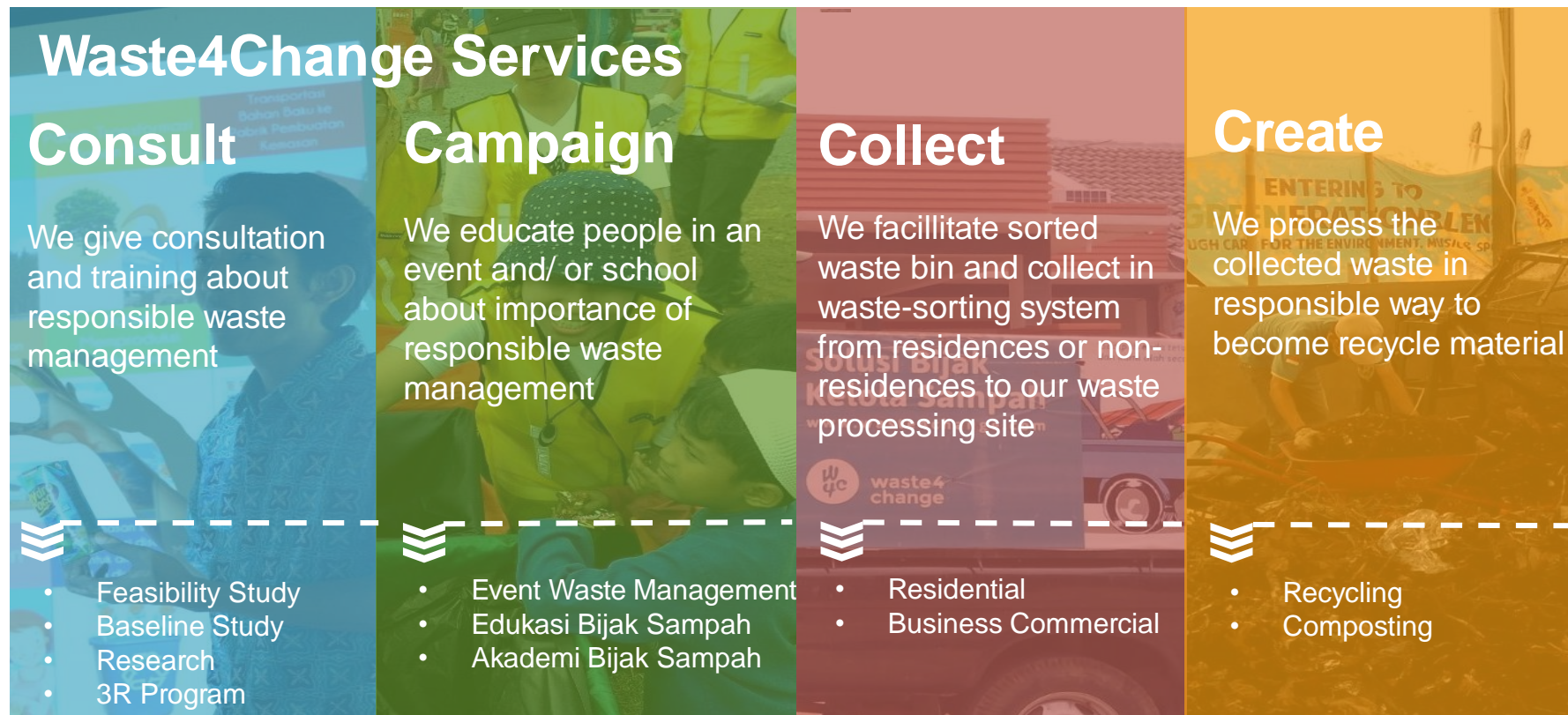
Solution: Responsible Waste Management



waste4
change

What We Do

At Waste4Change, we have the resources, capabilities, and dedication to deliver on your green initiatives, your service expectations, and your legal compliance requirements to your complete satisfaction every single day.





CONSULT

Client



KALBE FARMA Tbk

Total Employee

546

Waste generated

0,127 kg/person/day

Waste Total

69,47 kg/day

Baseline Study on Waste Management

We perform in-depth research about your existing waste management, and provide recommendation new system based on 3R principle



Feasibility Study Method



CONSULT

Client



Beneficiaries

5 High Schools in Bekasi
for one year program

Objective

Schools **apply** responsible
waste management based
on 3R principles



3R School Adoption Program

We create a 3R program in community or schools in terms of your corporate social responsibility and business sustainability.

3R Program Concept

1. 3R Education Program

- Done gradually together with partner for :
 - School
 - Residences
- Education about responsible waste management



2. Bin Infrastructure

- Sorted waste bin based on its type:
 - Paper
 - Plastic, glass, metal
 - Organic



- Procurement on sorting waste & composter



3. Waste collection

- Sorted waste collected once a week



- Waste composition & generation report every 3 months

CAMPAIGN

Client

THE BODY SHOP®

Event:

Jakarta Fashion
Week 2015

Total visitor

15.000

Total Waste

4.405,95 kg

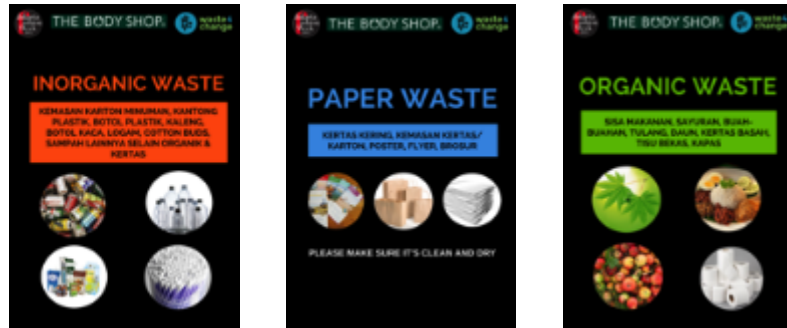


Event Waste Management

Collaborate your events with us and get responsible waste management during the event.

Event Waste Management Concept

1. Sorted waste bin



2. Pasukan Bijak Sampah



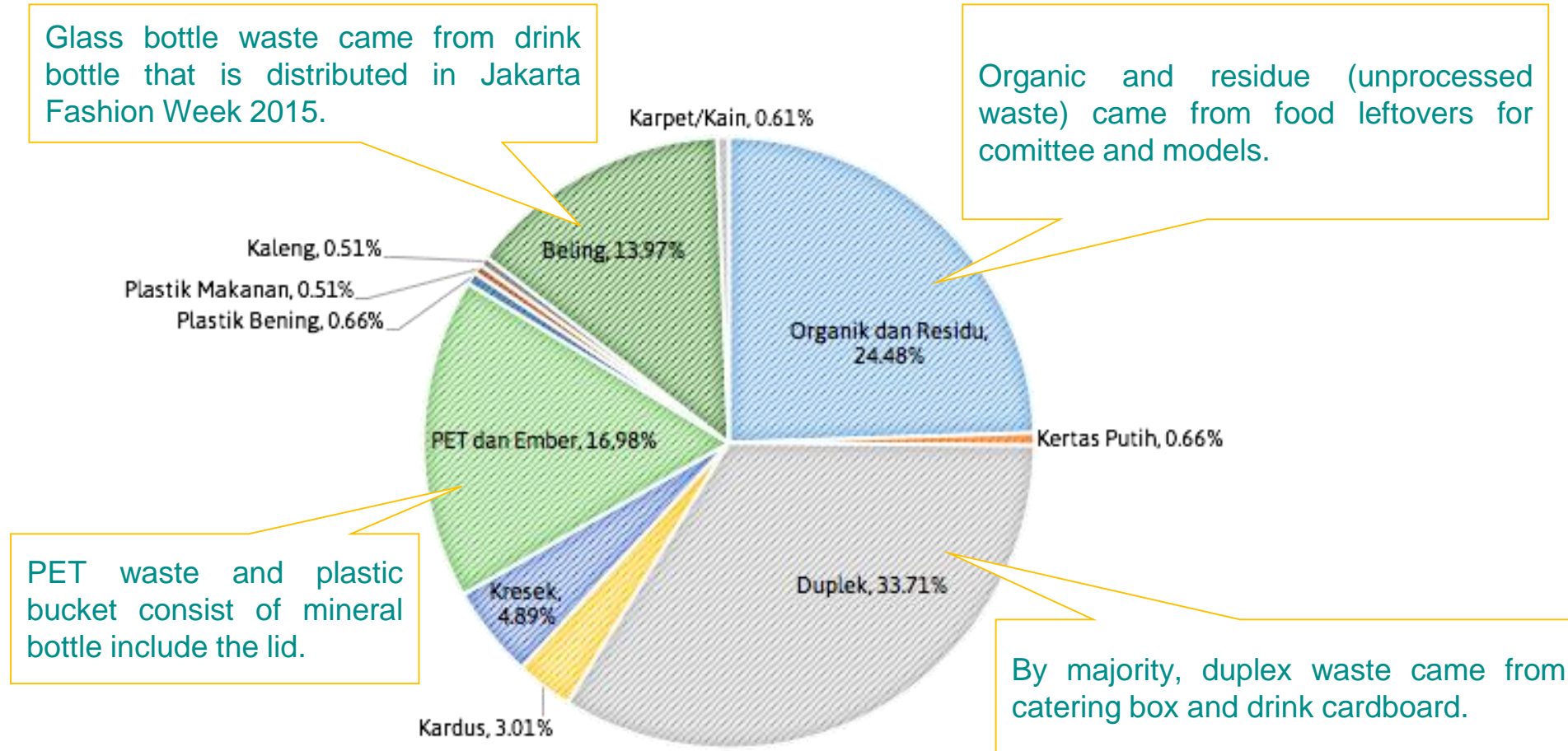
- Pasukan Bijak Sampah is **community managed by W4C** that **educate** visitor to **put waste** into bin **based on its type**

- Total volunteer **36**

3. Fun



Report : Waste Composition & Generation in Jakarta Fashion Week 2015



- Waste recycled: **75,52%** . .

CAMPAIGN

Client:



Subjects :

- 1 Waste problem
- 2 Type of waste
- 3 3R principle
- 4 Games and waste sorting practice

EDUBIS - Waste Management Training

EDUBIS or Edukasi Bijak Sampah is a program designed by Waste4Change in order to educate Company/ Community about importance of Responsible Waste Management



EDUBIS (EDUKASI BIJAK SAMPAH)

In-class Training on Waste Management

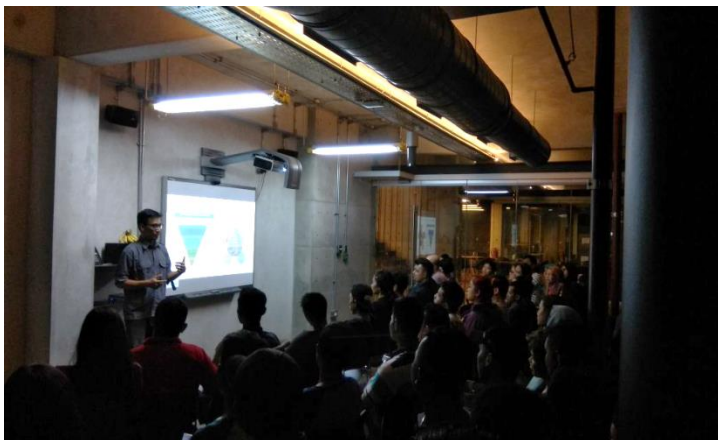
EDUBIS (Edukasi Bijak Sampah) is in-class training on responsible waste management.

Duration:

2-hour class session held in the **client's institution**

Participants:

- Staff, and cleaning services
- Max. 30 participants



Curriculum:

Objective

To understand the importance of responsible waste management and the urgency to act responsibly to each own waste, especially on waste segregation at source.

Topic

1. Introduction: Definition of waste, waste generation
2. Conventional system: collect, transpose, dispose
3. The impact of conventional waste management system
4. The 3R Principles & The 5 Aspects of Waste Management
5. The Responsible Waste Management

Outcome

1. Participants understand waste management problems and its impact
2. Participants understand the 3R principles & the 5 aspects of waste management
3. Participants understand how to act responsibly to their waste

CAMPAIGN



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Client:



Unilever ZWTL
Campaign

Subjects :

- 1 Landfill observation
- 2 Waste4Change Facility Tour
- 3 Presentation on 3R Principle
- 4 Shock Moment



AKABIS - Field Study on Waste Management 1/10/2016

AKABIS (AKADEMI BIJAK SAMPAH)

Field Study to Landfill and Waste4Change Site

AKABIS (Akademi Bijak Sampah) is field study on responsible waste management

Activities:

- TPA Bantar Gebang Tour
- Waste4Change Facility Tour
- Presentation on Responsible Waste Management
- Shock moment
- Fun games

Duration:

Half-day (6 hours)

Participants:

- Top management, staff
- Max. 30 participants



TPA Bantar Gebang Tour



Waste4Change Facility Tour

COLLECT

Client



Follow the system

800 houses

Collection schedule

- **Organic**
 - Monday, Thursday & Saturday
- **Inorganic**
 - Monday

Residential Waste Management

We facilitate and collect waste with responsible approach and make sure to reduce waste that goes into landfills.



Collection System

1. Socialization & Education

- Done gradually from :
 - Local committee (RT/RW)
 - Resident
- Socialization method
 - Community
 - Social gathering



2. Bin Infrastructure

- Inorganic bin for:
 - Paper
 - Plastic, glass, metal



- Organic bin



3. Sorted waste collecting

- Inorganic waste collected in 1 times/ week



- Organic waste collected in 3 times/ week





COLLECT

Client



Total staff

1500 people

Waste Collection :

3 x a week

Service:

- **Collect all type of waste** in sorted condition
- **Scheduled** waste collection
- **Responsible waste management** (waste-sorting, composting, recycling, residue & B3 management)

Commercial Area Waste Management

We facilitate and collect waste with responsible approach and manage it to achieve zero waste to landfill.

HOW?

WASTE4CHANGE HANDLING



1

Sort the waste
(Clients)

2

Put the label/sticker based
on the type of waste
(Clients)

3

Place the sorted waste in
the collection point
(Clients)

4

Collection
(Waste4Change)

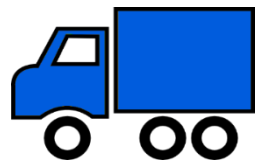
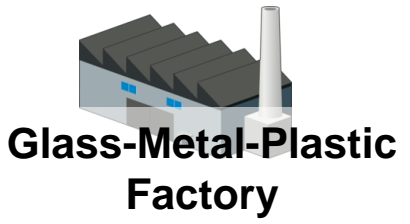
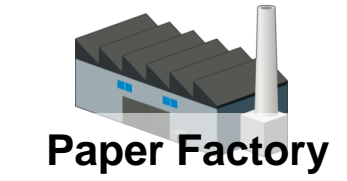
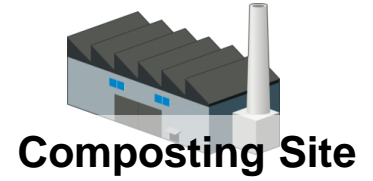
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Treatment in Materials
Recovery Facility
(Waste4Change)

COLLECTION FLOW



Zero Waste to Landfill



Materials Recovery Facility (Rumah Pemulihan Materi)



Area

2000 m²

Area include:

- Office
- Recovery room
- Waste drop point
- Plastic chopper site
- Warehouse

Operator

6 people



Materials Recovery Facility

1. Waste Sorting Area



2. Temporary warehouse



4. Office



3. Plastic Chopper



5. Transportation Vehicle



Compost Facility



Whole area

20.000 m²

Composting Area

500 m²

Partner Farm

10.000 m²

Operator

6 people



Compost Facility

1. Composting area



Open windrow



Vermicomposting

2. Farming Area (Partner: Farm4Life)





Waste4Change Clients Portfolio

2014



No.	Client	Project
1	GIZ	Consult; Waste Management Guide Book
2	CIMB Niaga	Consult; 3R Masuk RT Program - (Manajemen Persampahan Kawasan Rumah Tangga/Waste Management for Household) in Pondok Indah
3	PT Pertamina Persero	Consult; Feasibility Study on Pertamina HO
4	Bank Mandiri	Consult; 3R Masuk RT Program (Waste Management for Household) in Tidung Island – Thousand Islands.
5	Vida Bekasi	Collect; 800 household collection in Vida Bekasi
6	Nutrifood	Consult; Feasibility Study on Waste Management in Nutrifood HO
7	Bank Ekonomi	Campaign; Event Waste Management on corporate event
8	The Body Shop	Campaign; Event Waste Management on Jakarta Fashion Week 2015
9	Danone	Consult; Feasibility Study on Waste Management in Danone HO

2015



No.	Client	Project
1	Vida Bekasi	Collect; 1200 housing collection in Vida Bekasi. Campaign; Event Waste Management for Vida Fest 2015
2	PT Kalbe Farma	Consult; Kalbe Farma Green Office
3	PT Bintang Toedjoe	Campaign; Greeneration Blend
4	PT Indonesia Power	Consult; Feasibility Study on Waste Management System in UP Suralaya - Banten
5	Bank Mandiri TBK	Consult; Feasibility Study on Waste Management System in Rusunawa Jatinegara
6	DBS Bank	Campaign; 3R School Adoption on 5 School in Bekasi
7	Climate Policy Initiative	Collect; Office Waste Collection
8	The Body Shop	Create; EPR on Bring Back Our Bottle

2016



KEMENTERIAN PEKERJAAN UMUM DAN PERUMAHAN RAKYAT



No.	Client	Project
1	DBS Bank	Campaign; Jakarta Bebas Sampah
2	Farpoint	Campaign; Edukasi Bijak Sampah
3	Megapolitan Development	Campaign; Edukasi Bijak Sampah
4	PT Siam-Indo Gypsum Industry	Campaign; Edukasi Bijak Sampah
5	PT Unilever TBK	Collect; Head Office Graha Unilever. Campaign; Akademi Bijak Sampah, Edukasi Bijak Sampah
6	Siam Cement Group	Campaign; Edukasi Bijak SAmpanh
7	HSBC	Campaign; Akademi Bijak Sampah
8	The World Bank	Campaign; Coast Field Trip for Marine Debris Summit 2016
9	American Red Cross	Consult; Evaluation Study on Waste Treatment Unit in Cibinong-Bogor
10	Superindo	Collect; Waste Donation Program
11	PTT Family	Collect; 4 outlets
12	Grand Luley	Consult; Feasibility Study on Grand Luley Hotel, Manado
13	The Body Shop	Campaign; Akademi Bijak Sampah. Create; EPR on Bring Back Our Bottle
14	Ministry of Public Works and Housing	Consult; Indonesia's 7 Boundary Waste Management Project

2017



No.	Client	Project
1	PT NEC Indonesia	Campaign; Edukasi Bijak Sampah and Akademi Bijak Sampah CSR Program – February
2	Bank Mandiri	Consult; 3R Program on Gili Trawangan Waste Management System – Jan - August
3	PT Unilever TBK	Collect; Head Office Amarta Building, BSD – from January
4	PTT Family	Collect; 4 outlets (Potato Head Pacific Place, Attarine, Three Buns and office)
5	The Body Shop	Create; Extended Procedure Responsibility (EPR) Bring Back Our Bottle
6	PT Aplikasi Karya Anak Bangsa	Create; Extended Procedure Responsibility (EPR) on GOJEK helmet and jacket – January Collect; Head Office Waste collection – from March
7	PT Deloitte Consulting	Consult; Study of value chain in waste management at Jakarta and Surabaya
8	Vida Kebun Jeruk	Collect; whole building. March
9	PT Yara Indonesia	Create; Extended Procedure Responsibility (EPR) on promotional item and packaging.
10	Vida Kebun Jeruk	Collect; whole building. March
11	PT Swadharma Kerry Satya (Shangri-La Jakarta)	Consult; 3R Program on SMPN 181 Waste Bank (Consultancy and Technical Assistance Service) Jan – Sept
12	World Bank	Consult; Assessment of Community and Informal Sector Engagement in Solid Waste Management Systems in Indonesia

AS SEEN ON (MEDIA)



Jawa Pos



REPUBLIKA



Pikiran Rakyat

The Jakarta Post





Let's Start to Make a Change and Get the Benefits!

- ✓ Responsible Waste Management for Your Business
 - ✓ Educate Community by Multiplier Effect
- ✓ Create Better Environment for Your Business Sustainability



THANK YOU

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