

FRAME WORK OF  
SOLID WASTE



MANAGEMENT & IMPLEMENTATION

Presented By:

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# SOLID WASTE MANAGEMENT & SUSTAINABLE MATERIAL MANAGEMENT

(Sharing Experience in Bandung City,  
Indonesia)



Bandung City

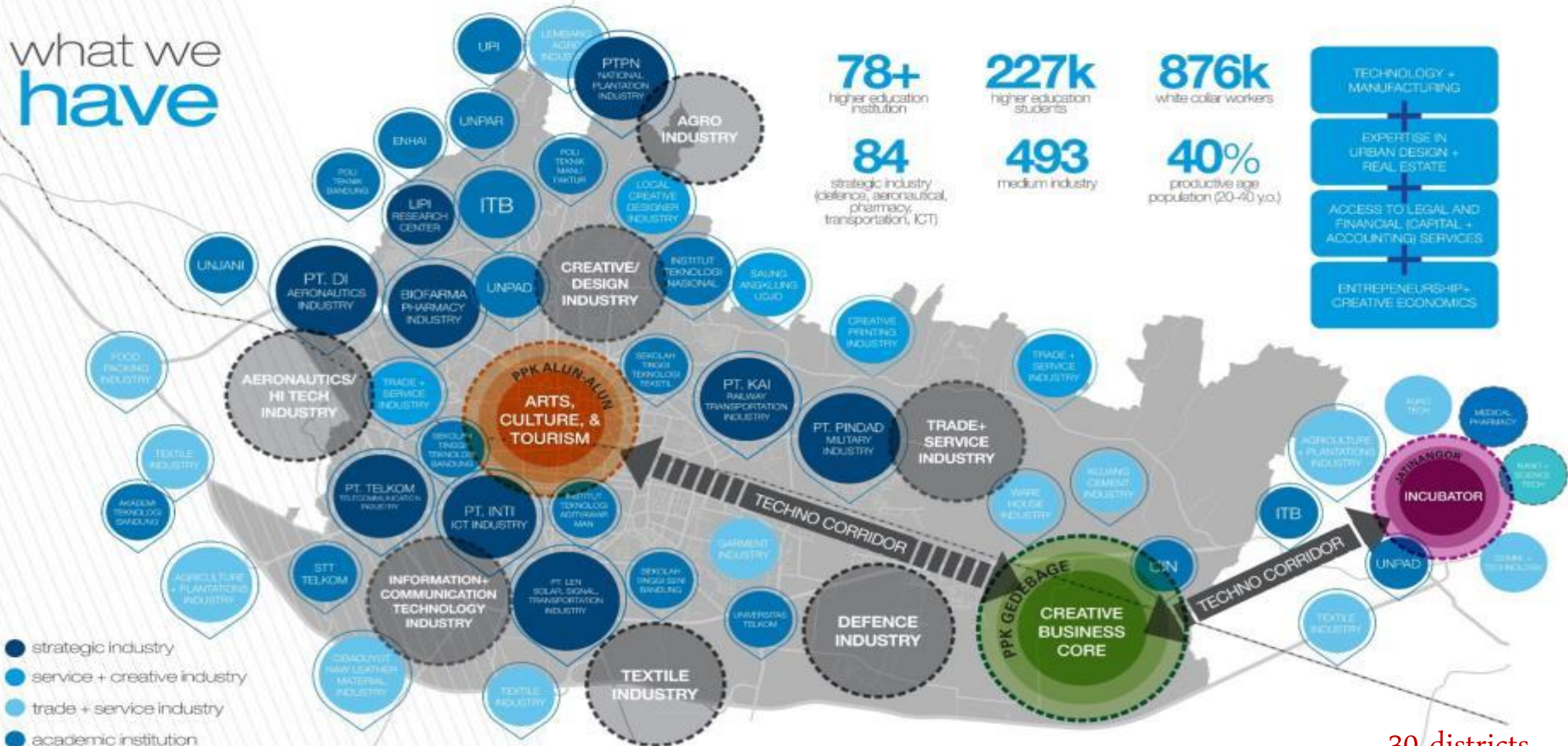




## Overview of Bandung City

- Bandung City as the capital city of West Java province
- The total area is **16,729.650** Ha
- Located at an altitude of 675 m - 1,050 m asl
- Geographical an Mountains, which lie between 107° 36' East Longitude and 6° 55' South Latitude
- Population in 2015 recorded by the Department of Population 2,378,627 inhabitants, with the commuter/urban **3,000,000** million
- Divided into 30 districts, 151 Sub Districts, 1561 Pillars of Citizens (RW)

# what we have



2.4 million population

9 % economic growth

70% under 40

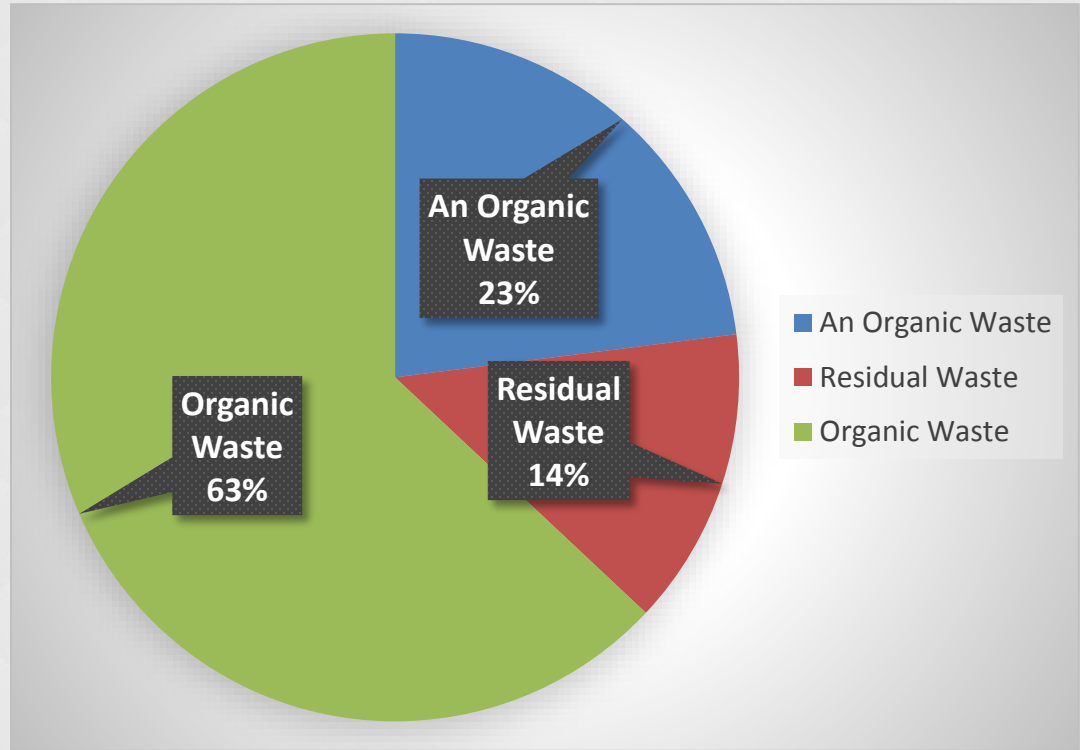
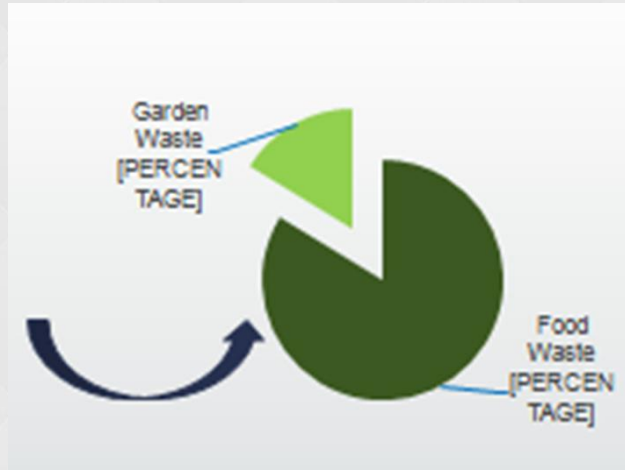
29.5 yrs avg. age

30 districts,

151 Sub Districts,

1561 Pillars of Citizens (RW)

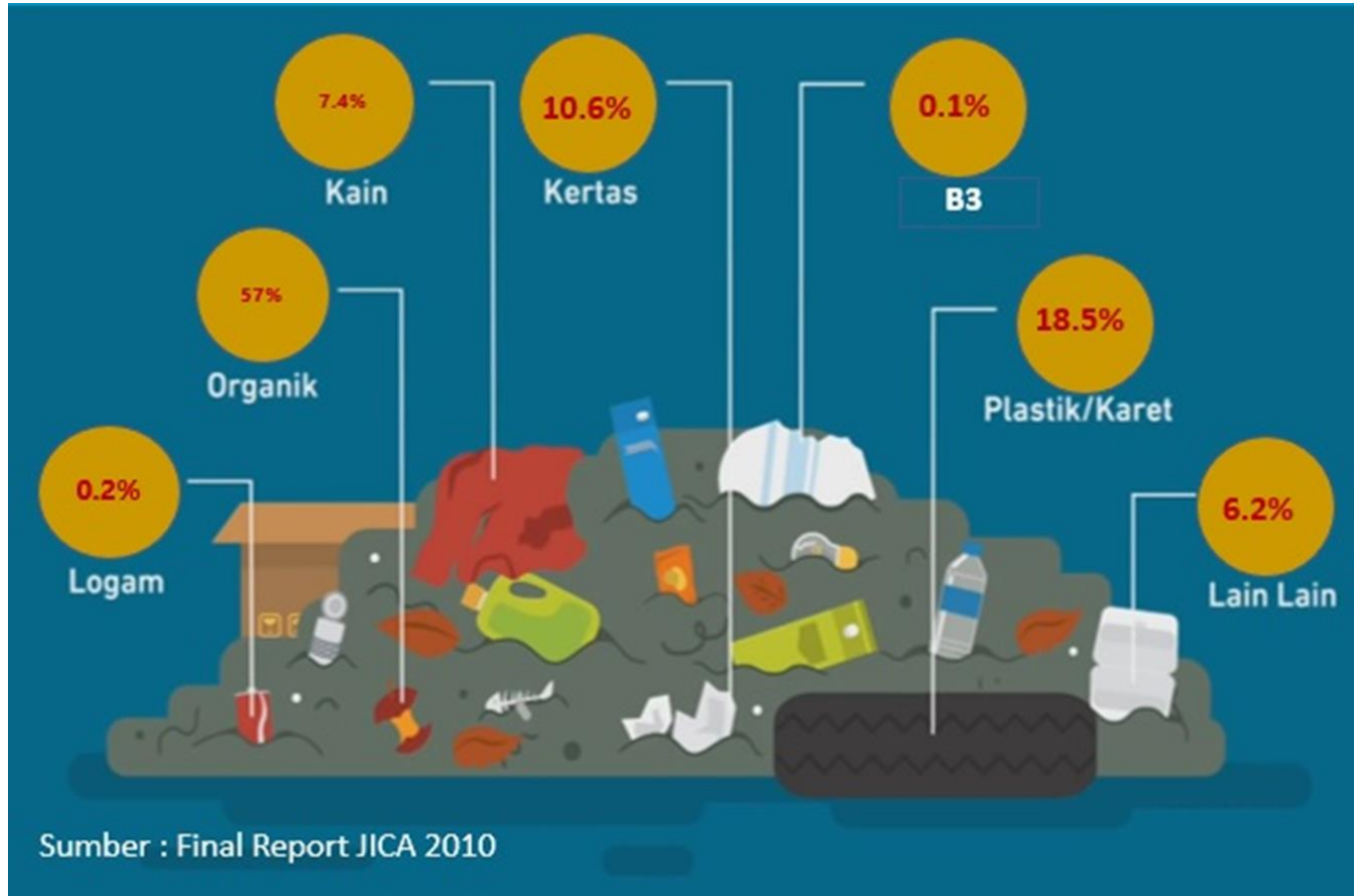
# BANDUNG WASTE CHARACTERISTIC & GENERATION



**Solid Waste Generation in Bandung 1500 ton/day**



# WASTE COMPOSITION





LAW & REGULATION ASPECT

INSTITUTION ASPECT

OPERATIONAL ASPECT

FINANCING ASPECT

PUBLIC PARTISIPATORY

## BANDUNG WASTE MANAGEMENT SYSTEM



# REGULATION

## FRAME WORK OF WASTE MANAGEMENT IN INDONESIA

LAW OF THE REPUBLIC OF INDONESIA

### GOVERNMENT REGULATION

1. Financial Development of The Public Service Agency (No.23 /2005)
2. Distribution of Governmental Affairs between the central Government, Provincial Government and district / City Government (No. 38 / 2007)
3. The Implementation of Spatial Planning (No. 15 /2010)
4. Management of Household Waste and Similar Household waste (No. 81/2012)
5. National Waste Management Policies and Strategies (No. 97/ 2017)

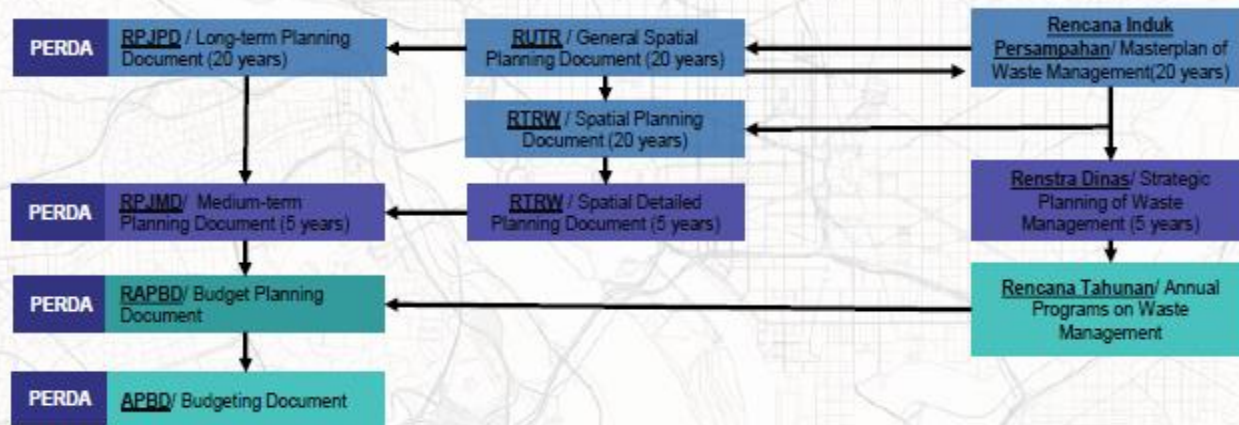
### PRESIDENTIAL REGULATION

1. Law of Republic Indonesia No. 18 /2008 Concerning Waste Management

## Regulation Framework of Waste Management in Indonesia



## SOLID WASTE MASTER PLAN ON CITY PLANING

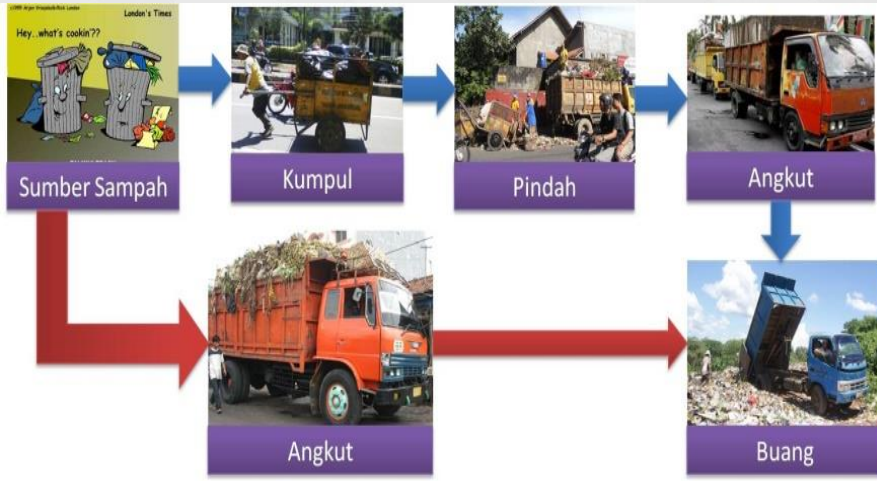


The change of Waste Management Mindset

# Listed at Undang-undang No 18 TAHUN 2008

## END OF PIPE

## REDUCE AT SOURCE



**Think Before You Buy.**

- No Electrical Motors | No Electrical Installation
- No Hydraulic Oil | No High Pressure Cylinders
- = Lower Cost of Ownership







ridwan kamil  
@ridwankamil



Mengikuti

Warga Bandung, per tanggal 1 November 2016, penggunaan Styrofoam DILARANG untuk kemasan makanan minuman. Nuhun. cc @KemenLHK



# Forbidden For Using Styrofoam



ridwan kamil  
@ridwankamil

The caretaker of lovable Bandung

Bandung Juara Indonesia  
Bergabung Oktober 2009

Tweet ke

Pesan



Mengikuti

Untuk diikuti · Segarkan · Lihat semua



audhila noveryni @audhila

Ikuti



Aldi Nursepta @alusetapriind

Ikuti



"Bandung  
Experience"

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## A New Framework for Household Waste

### ZERO WASTE AREA



KBS Cibunut RW 07  
KSM OH DarLing  
ORANG HEBAT SADAR LINGKUNGAN



KSM = Komunitas swadaya masyarakat (Self-help Community)

## Zero Waste City

**Circular Economy** as solid waste solution, at the sometime create new sources for city development **Economic** building and raise up the quality of humanlife.





# 3 R PROGRAM

KANG PIS MAN PROGRAM

LET'S FOLLOW  
KANG PISMAN'S  
STEP

KURANGI  
REDUCE

PISAHKAN  
SORT

MANFAATKAN  
RE-USE





Organic



Biodigester  
Biopore Hole  
Takakura  
Liquid Fertilizer  
(FELITA)  
Composter  
Windrow

Plastic Paper



Waste Banks  
"oh Darling"  
Orang Hebat Sadar  
Lingkungan

Others



Waste is transported to  
a temporary waste  
disposal by garbage cart

# ACTIVITIES



LIQUID FERTLIZER



COMPOSTER PIPE



ORGANIC PICKING



BIODEGESTER



COMPOSTER



Weighing



CHOPPING ORGANIC



BATA TERAWANG



## ZERO WASTE AREA



BIOPORE HOLE



HanDICRAFT PRODUCT FROM  
GARBAGE

These is handicraft from  
garbage made fron packaging  
of shampoo, detergent, coffee  
etc



EDUCATION

Education on how to sort the  
waste to  
housewives, teenagers and  
children

## POWER OF COLLABORATION



# THANK YOU

Hope to hear from you soon



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