

Community Composting to Reduce Green House Gas



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One hour flight from Jakarta, two hours from Singapore, 4 hours from Hongkong.
Surabaya is gateway to East Java and East Indonesia
Center of service, trade, and industry

GENERAL DATA

Population

Day time : 4 million

Night time : 3 million

Area : 32.600 hectares

Solid Waste Generation:

Landfill 1,480 ton/day or 61.92 %

Mini incinerators 120 ton/day or 5.02 %

Community management 532 ton/day or 22.26 %

Inappropriate manm,t 250 ton/day or 10 %

Total 2,390 ton/day



ZERO WASTE STRATEGY



■ Community Based Solid Waste Management

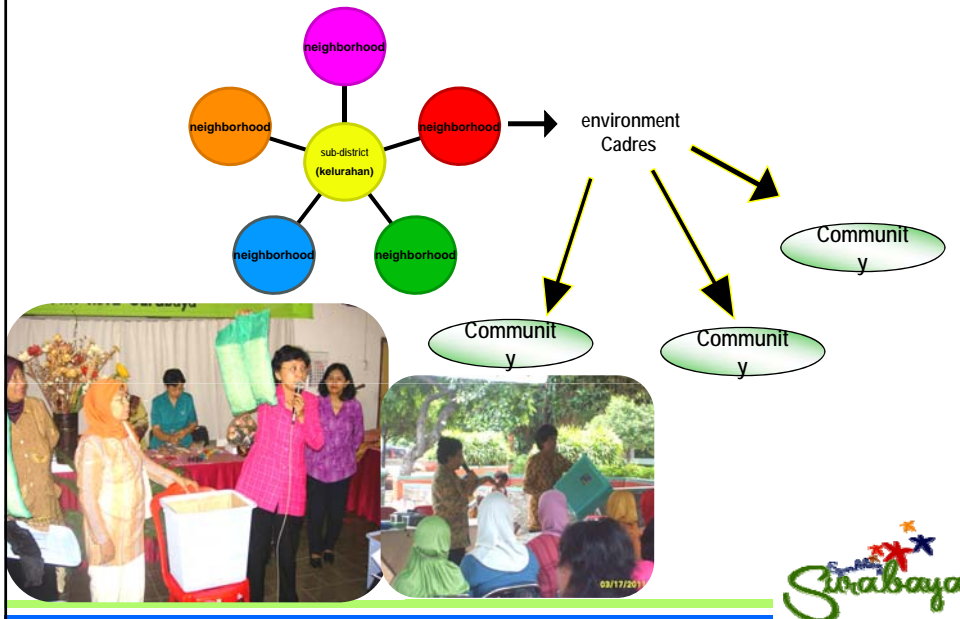
- NGO
- Facilitators
- Environment Cadre

■ Promoting 3 R Program (Reduce, Reuse, and Recycle)

■ Clean Competition



CADRE SYSTEM



TAKAKURA METHOD (AEROBIC COMPOSTING)



COMPOSTING CENTER



COMPOSTING CENTER



1. Composting House Keputran
2. Composting House Bratang
3. Composting House Kejawan Putih Tambak
4. Composting House Rungkut Asri
5. Composting House Tenggilis Utara
6. Composting House Wonorejo
7. Composting House Bibis Karah



CLEAN COMPETITION



Jambangan Area



OBJECTIVES

- Increasing awareness of the citizens from waste segregation
- Extend life-time of the landfill site
- Reduce landfill operation cost
- Provide additional income from recycling
- Reduce CH₄ emission



SURABAYA - KIN

- Research of composting ;
result: Takakura Home Method
(2003)
- Implementation of Takakura
Home Method for households
and community (2004)
- Research on solid waste from
public market (2005)
- Development of waste bank
for solid waste from public
market (2006)



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