



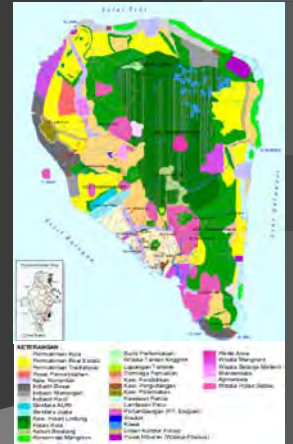
CLEANING, LANDSCAPING AND CEMETERY AGENCY

LOCAL GOVERNMENT OF TARAKAN CITY

TARAKAN ISLAND



1. Area (km²) = 657,33
2. Total Population (people) = 239.787



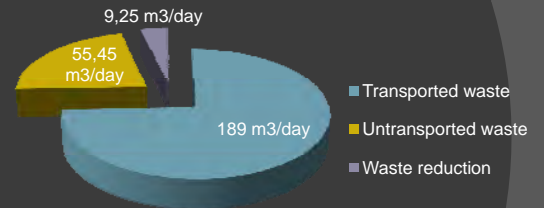
National Law

ACT No. 18 Year 2008 of Waste Management

Regulation of the Minister of Public Works
No. 14/PRT/M/2010 of Minimum Service Standards
for Public Works and the field of Spatial Planning

Solid waste
management

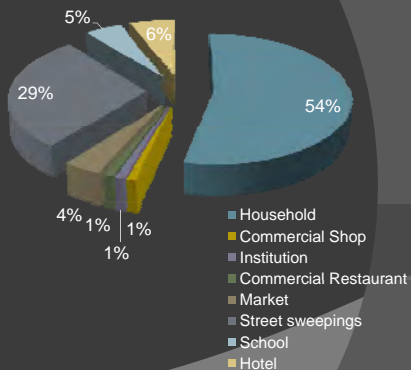
Waste Generation of Tarakan City



Sources of municipal waste tarakan

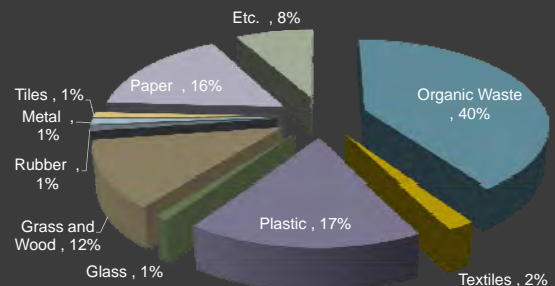
Household	54%
Commercial Shop	1%
Institution	1%
Commercial Restaurant	1%
Market	4%
Street sweepings	29%
School	5%
Hotel	6%

Fig. 2 Waste Source in Tarakan City



Source : DKKP, 2011

Fig. 3 Household waste composition



Source : DKKP 2011



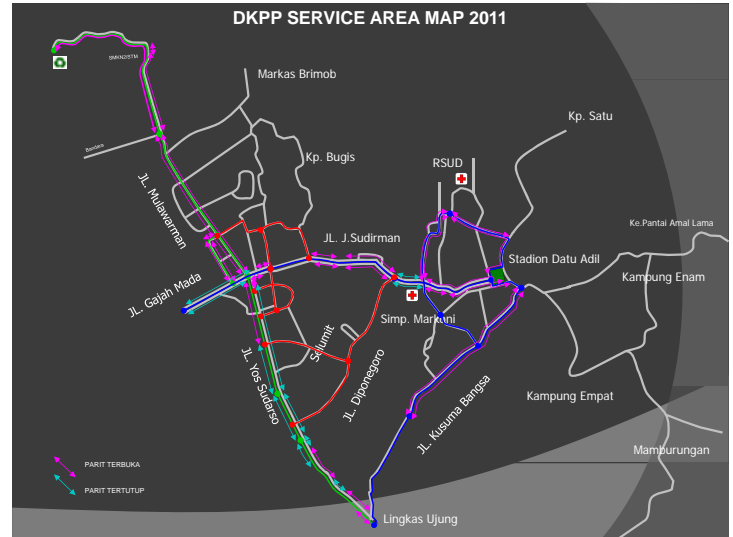
**CLEANING, LANDSCAPING AND CEMETERY AGENCY
OF TARAKAN CITY**

VISION :

"AS THE BEST CLEANING AGENCY IN KALIMANTAN BY 2014
AND THE BEST CLEANING AGENCY IN INDONESIA BY 2020"

MISSION :

1. The increased quantity and quality Hygiene Services, Garden and Cemetery;
2. Increase Community Participation;
3. Building Coordination of partnership between government, business and society;
4. Doing Guidance;
5. Doing Supervision.



TARGET

- Keeping hygiene in the area operational
- Reducing waste generation
- Further processing into zero waste
- Participation from all the elements of society
- Changing the mindset of waste
- Changing the habit into the way of life

- Waste management with S3R system
- Waste management in household level
- Waste treatment in landfills
- Applied solid waste bank (Taling)
- Out sourcing worker
- ADIPURA area
- Foreign cooperation



Long Term Policies

1. Promote waste separation at household level
2. Establish 20 composting programmes (5 composting programmes established)
3. Reduce the volume of waste (Target 20%)
4. Socialize waste reduction programmes to schools, offices, companies, and community
5. Building partnership with media and academic groups
6. Develop compost standards

Short Terms Actions within next 6 months (2012)

Short terms	Current Status
Workshop waste management in school and household	Disseminating 3R program's
Waste Separation in Source in 2 village	
Implementing composting program using takakura	4 MRF and several communities are involved in implementing community-based composting programmes using Takakura, Open windrow and barrel composter
Establish waste bank and MRF	Established MRF in Kampung satu
"Tabungan Lingkungan" (TALING) in 20 Schools of Adiwiyata	Disseminate and implement Taling programs and adiwiyata 7 schools of pilot project

Waste Reduction

The effectiveness of TPS3R (MRF) in neighborhood is 96 %
 Waste reduction from junkshop is 2,64 % of city waste generation
 Average waste reduction from TALING 1kg/week/student

Note :
 Count for TALING still in progress

TPS3R (Community Composting) / MRF

No	Name of TPS3R	Location	Source of waste	Waste a day
1.	KSM Lestari	Kr. Rejo	Neighborhood, market	0,1 tons / day
2.	KSM Asri	Kr. Anyar Pantai	Neighborhood	*
3.	KSM Ramah Lingkungan	Kamp. 6	Neighborhood	*
4.	KSM Nibung	Kamp. 1	Neighborhood	*
5.	TIS KEBAL	Boom panjang	Market	*

Every TPS3R has 4 custodians.
 They using Takakura method and using shredding machine
 They selling the compost to community, school and the companies

*count still in progress

Waste reduction in Tarakan 3 years later

Government commitment is to establish 1 TPS3R in 1 village,
 By 3 years later, Tarakan will have 10 TPS3R
 It will reduce about 1 ton organic waste / day

Taling will establish in 104 schools
 Waste reduction by students is about 1,2 tons anorganic waste / day

Seminar KitaQ composting system (2011)



1. Waste Management with 3R system



2. Classified Trash Bin

to make separating rubbish easier. There are 250 units of it scattered throughout the city



3. Community waste sorting program

DKPP provide S3R counseling and classified plastic bag to community



4. Environment Saving (TALING)

Inspired by the eco-savers from Marikina in the Philippines
Launched at February, 21 th 2012



The Execution of MoU

Launched marked by granting passbook to students

TALING Team consisting of Planning Agency, Cleaning Agency, Environmental Agency, Education Agency, and Assistance of development
There are 7 pilot project schools that running this program
Addition of 20 schools by August 2012



Challenges

- Community participation
- Field Team
- Improvement and development of existing systems
- Healthy environment is affordable

Lessons for other cities.

There are some activities that are emulated by other cities such as "Green n Clean" contest

Some city invited custodian of TPS3R to provide training

**END OF
PRESENTATION**

ありがとうございます

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