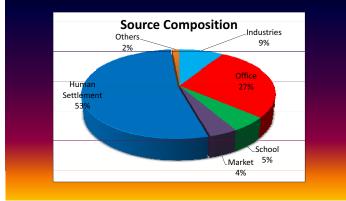




MSW's source composition in DKI Jakarta



MSW's component composition in DKI Jakarta



3R : Result and Target in Jakarta



Year 2009, the 3R effort can reduced 7% of total waste generated.

Based on 5 years plan 2007-2012, the reduction target up to 2012 is 15% (980 Ton/day) of total waste generated.



Central Jakarta : Problem & Solution

PROBLEMS:

- Lack of awareness → traditional way & NIMBY
- Lack of knowledge and skill
- Air & water pollution
- Inefficiency in water and energy consumption

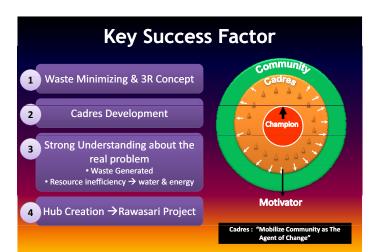
POLICY :

- 2008 : Mayor's Instruction :
- Households & neighborhood shall minimize waste generated →
 Preventing, segregating & 3R
- Public facility, school, hospital & other social facility & commercial
- area shall minimize waste generated and also provide segregating facility
 Implement training, competition and campaign → clean air, clean water,
- clean land and green area Pilot project development → Composting,WWT from food
- restaurant and eco office

Public-Private Partnership

- 1. Training for Environment
- Cadres 2. Technical Assistance for local community in technology and environmental programs
- Rehabilitation of waste management infrastructure/ facilities and sanitation
- 4. Greening programs 5. Environment campaign
- through media
- 6. Evaluation and monitoring of
- the program





ECO-TECH GARDEN

- This is a collaboration project between Central of Jakarta government, Public Work Department and National Oil Company- Pertamina.
- The project purpose is to treat waste water from street vendor (grey water) by using eco-technology in small garden
- Grey water per 8 hours : 1,820 L 0r 0.04 L/sec.
- The capacity :

Pollutant	Measurement (mg/L)	Efficiency of treatment	Effluent (mg/L)
COD	158	85%	23.7
Detergent	6.65	55%	2.99
Ammonia (NH3N)	12.3	80%	2.46

Eco-Tech Garden – Cideng District





		rato			
	Parameter	Unit	Sample		Efficiency of
No			Before Processing	After Processing	process (%)
1	Colour		Yellow	Yellow	
2	Odor		strong	no odor	
3	Deposite				
4	рН		6.82	7.01	1.4
5	DO	mg/L	299	152	32.6
6	Conductivity	uS/cm	567.07	288.77	32.5
7	Ca ²⁺	mg/L	0.057	0.029	32.6
8	Mg ²⁺	mg/L	0.028	0.027	1.8
9	Na+	mg/L	0.057	0.032	28.1
10	K*	mg/L	0.033	0.031	3.1
11	NH ⁴⁺	mg/L	0.031	0.029	3.3
12	CI-	mg/L	31.063	5.625	69.3
13	NO ₃ -	mg/L	-	-	-
14	SO ₄ ²⁻	mg/L	65.834	3.372	90





THANK YOU / TERIMA KASIH

Despite apparent differences in politics, economics and culture, cities in developing countries and the industrial world have many problems in common. (Janke E. Perlman & Mally O'Meara Sheehan

What is needed now is " better practices" and "collaborative cities"

We invite all of HLS on ESC participants to visit our two "pilot project" :

Small Scale Integrated MSW Treatment (composting and dropping center)
Small Scale Food Restaurant WWT Plant