

## FINAL Monitoring Report (Replication activities until end of May 2012)

Country:	Indonesia
Pilot City:	Kupang
Thematic Area:	Inclusive Urban Public Services
No and Title of Activity:	Activity 17 Monitoring and consulting during the implementation of transfer concepts
Reported by:	Mukhlis Abidi
Reported when:	June 2012

### **How do you evaluate the overall progress, starting from the beginning of the action until end of May 2012? Provide a picture comparing the pre-situation with the situation in May 2012.**

The Eco Saver Program in Kupang City has been implemented since the fourth quarter of 2011. It is originally from the eco saver program in Marikina, the Philippine, which promotes a culture of discipline young people through an ecological solid waste management.

In order to achieve its goals, the Government of Kupang City (TGKC) has been implementing strategies as follow:

1. Adaptation of BP-Marikina Eco-savers with the situation and condition of the city of Kupang. The strategy taken because the city of Kupang has different culture and characteristics from the Marikina city.
2. Coordination among different departments. TGKC has formed a working group (TWG), a coordination forum among stakeholders. Members of TWG are from the Local Development Planning Department; the Education, Youth and Sport Department; the Waste and Sanitation Department; the Local Environment Department, local media, a local university, and a local NGO.
3. Increase participation of people in the eco saver program. It involves the participation of citizens through: involvement of parents, students, communities, and civil servants.

One of the major challenges in the implementation of the program is the provision of fund for the 2011 activities. The DELGOSEA BP activities started at



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the first quarter of 2011 where the local government did not allocate the 2011 replication budget during the budget proposal meeting in 2010. To cope with the financial situation, the local government use the budget amendment meeting in the middle of 2011 to propose the replication program for 2011. However, it takes time for the budget release. In this case, TWG had to revise the budget and rescheduled the activities for 2011. There were some activities implemented without budget, such as the drafting of Standard Operating Procedures and dissemination of eco saver program information in pilot schools. For activities which required budget in its implementation, the local government was postponed them to 2012.

In early 2012, the local parliament approved the budget to finance the BP transfer but the amount is far less that the proposed one. In addition to that, the BP transfer was coincides with the local mayor election which was time-consumed, absorbed a lot of budget, and required public attention.

Although the implementation of the eco saver program faced many obstacles, caused by the limited budget or the political situation, TGKC had successfully overcome these problems. One of the achievements is the implementation of the eco day program in three pilot schools in May 2012.

Apart from that, to maintain the sustainability of the BP program, TGKC and local parliament (city council) have established a local regulation (PERDA) as the legal basis to implement the program.

### **What have been the main achievements of project replication? Refer to the objectives and results.**

The main achievements of this best practices project replication:

- TKGC has established a working group to coordination forum. It consists of the Head of Department of Waste and Sanitation, Head of Department of Education, Youth and Sport Department, Head of Board of Local Environment, the representative of Cendana University, representative of Timor Express Newspapers, and the Head of Board of Local Development Planning is also as the team leader of the Working Group. The function of the Working Group in this project is as a place for communication and coordination among the sectors involved. While the role that has been done is by constructing a logical framework, budgeting, etc.
- TGKC has established the local regulation (Perda) No 3 / 2011 on the Handling Household Waste Management and No. 4/2011 on the Reduction



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of Household Waste Management. Both local regulations is a legal basis to implementing of the BP program.

- The activities of eco day have been disseminated/ socialized to student parents in three pilot schools. One of benefits from the socialization is to motivate parents to support their children to engage in eco day activities in their school.
- The Eco Day in three pilot schools was executed on May 2012. Although the activities still have technical hampers (such as at the first Eco Day, results of the waste weighed was recorded in the temporary saving/pass books because the official books has not available yet, still in the preparation process at the Sanitation Office), but students are very enthusiastic to participate in the program, proved by the numbers of plastic trashes they collected and brought from homes.

**What have been the main benefits for the people so far (e.g. socio-economic/and or environmental impact of replication)? And how did this impact the living condition of the people? Please refer to the overall objective.**

The main benefit for the community from this project in terms of social is a good transformation in student attitudes. Many students now are starting to collect plastic trashes.

It becomes a valuable experience in terms of discipline and the environmental awareness. If this is carried out continuously by students, their environment can be maintained properly.

In terms of economic benefits, the students' families are getting an additional source of income.

**What impacts (e.g. in terms of capacity) could you observe on behalf of the pilot city taking part in this project on transnational best practice exchange?**

The capacity building to the person who involved in the BP program either through training, workshops and assistance has had significant impact to the implementation of the program. They have a new knowledge of techniques of waste management and resource conservation and recovery. They shared their knowledge and expertise to members of TWG and other stakeholders.



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## **Did the city cooperate with third bodies (e.g. LGAs, business, or academia) which supported the replication process?**

To support this replication process, Kupang City Government (KCG) in cooperation with third parties, which are:

- The KCG has been working with LGAs to obtain relevant information according to the substance of the program.
- Business cooperation was conducted by the pilot schools with the local collectors. The schools and the collectors prepared the MoU which is agreed that the pilot schools will supply the plastic waste and the collectors will accommodate the waste.
- Cooperation with the media is done by local Timor Express Newspapers. Timor Express will inform a series of replication process activities to the public through their news.

## **Has the knowledge been shared with other cities, or even been replicated to other cities?**

Because the main activity (eco day) have just implemented in May 2012 and some of the series of activities still not completely carried out, the information and knowledge pertaining the activities have not disseminated widely to others area. However some of knowledge / experiences of these activities have been informed to the public through the media.

## **Which follow-up actions do you recommend?**

- After the end of the Delgosea project, LGAs (APEKSI) indispensable role to provide guidance to the Kupang City Government through consultation, monitoring and other needed facilitation.
- TWG meeting needs to be intensified to find a solution to the implementation problems faced.
- The pilot schools need to extend to other school in same district, so that the impact of plastic waste reduction can be measured in quantity.
- The eco day should also be held at the government offices or at least at each of members of the Working Group office.
- To overcome the problem of limited funds, TGKC need cooperate with the private company and state-owned enterprises to financing the eco saver program.



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## How will the city continue replicating the best practice? What are the planned activities until end of 2012?

To continue this program the TGKC has planned several activities until the end of 2012:

1. Training of Trainer on How to produce organic fertilizer.
2. Provide guidance to community groups in the two villages.



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Name of Pilot City, Country: Kupang, Indonesia					
Name of Reporter: Mukhlis Abidi					
Thematic Area: Inclusive Urban Public Services					
Project Title: Kupang Green and Clean					
Monitoring Period: January– June 2012					
Specific Objective (as stated in the project design)	Indicators (as stated in the project design)	Sources of Information	Possible Risks (external and internal)		
Improved Kupang communities participation through waste management program	<ul style="list-style-type: none"> <li>▪ number of school pilot in Kupang</li> <li>▪ number of students and teachers in each school pilot</li> <li>▪ number of population in Kupang</li> <li>▪ % of waste in the landfill before the program</li> </ul>	Book "Kupang Dalam Angka" (Kupang in Numbers) 2010 published by Kupang Planning Agency (BAPPEDA) Kupang; data from Kupang Sanitation Office 2010	<u>Internal:</u> 1. The current Mayor will finish his term in March 2012, so if the current Mayor and Vice Mayor were not re-elected in 2012 there is a possibility that the new Mayor will not put this project as his priorities (impact on the budget provision etc). 2. The change of Head of offices: new Head of Office do not consider this project as their priority.  <u>External:</u> 3. Community refused to participate in the project 4. Riots, no budget from central government to implement the project		
Results (as stated in the project design)	Indicators (as stated in the project design)	Sources of Information			
<b>Result I:</b> Local Government Regulation (Perda) Decree about Solid Waste Management	Decree Available	Kupang Working Group			

Please list all activities which lead to result I:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved –in current period	Problem faced and follow up action
<b>Activity 1</b> Drafting the Local Government Regulation	April 2011	Finalized April 2011	Local Coach (LC) and Working Group (WG)		Regulation available and approved	Done
<b>Activity 2</b> Ratification of PERDA by DPRD (Local Council)	November 2011	Finalized Nov 2011	LC and WG		Approval The Local Government Regulation. Local Regulation No 3 / 2011 on The Handling Household Waste Management and Local Regulation No. 4/2011on the Reduction of Household Waste Management	Done
<b>Results</b> (as stated in the project design)	<b>Indicators</b> (as stated in the project design)		<b>Sources of Information</b>			
<b>Result 2:</b> % of organic waste sorting and processing at the community/household level increased	Year 1: 5% Year 2: 10% Year 3: 15% Year 4: 20% Year 5: 25%					
Please list all activities which lead to result II:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved –in current period	Problem faced and follow up action

<b>Activity 2.1</b> Assistance to community recycle groups in villages					In preparation by the Environmental Office and the Sanitation Office.	The change of Kupang Mayor and the preparation of the new elected Mayor's five years work plan caused all activities that should be conducted in July and August 2012 have to be postponed to September 2012.
Step 1 Initial study about the current condition of solid waste management (6 working days by 5 people)- secondary data	Dec 2011		Local Coach and member of WG		Agreed between the Head Sanitation Office and the Head of Environmental Office to conduct the initial study in September 2012.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 2 Develop activities guidelines	Jan 2012		LC and member of WG		In preparation by the Environmental Office and the Sanitation Office.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 3 Socialization of activities to 2 pilot areas	Feb 2012		Head of Sanitation & Waste Dept.		In preparation by the Environmental Office and the Sanitation Office.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 4 Strengthening community institution (PKK/women groups)	Feb-March 2012				In preparation by the Environmental Office and the Sanitation Office.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 5: Preparing the work plan of recycle groups	March 2012				In preparation by the Environmental Office and the Sanitation Office.	Postponed to September 2012 due to change of Mayor and city leadership in August



Step 6: TOT on waste processing and sorting	April 2012		Head of Sanitation & Waste Dept.	Term of Reference of ToT	In preparation by the Environmental Office and the Sanitation Office.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 7: Developing marketing network: assistance for establishing recycle shops in two villages	July 2012				In preparation by the Environmental Office and the Sanitation Office.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 8: KGC exhibition	July 2012				In preparation by the Working Group leads by the Planning Agency Office.	Postponed to September 2012 due to change of Mayor and city leadership in August
Step 9: Visit and training on organic and un organic waste sorting in Tarakan or Probolinggo (East Java) by six trainers and two assistants	Between Q 3 and Q 4 2012					
Results (as stated in the project design)	Indicators (as stated in the project design)	Sources of Information				

<b>Result 3</b> Increased participation level of students, and civil servants in solid waste segregation	-Number of elementary schools implementing solid waste segregation -Number of local government office , NGOs and media implementing solid waste segregation	Kupang BP replication design Working Group				
Please list all activities which lead to result III:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved –in current period	Problem faced and follow up action
<b>Activity 1</b> Defining Eco friendly elementary schools	November 2011	Executed in 14 Nov	LC and WG	-	3 schools pilot defined: (SDI Nunbaun Sabu, SDN Nunbaun Sabu, SDI Oesapa Kecil)	
Step 1 Drafting Mayor Decree and SOP of Eco friendly elementary schools	November 2011	Executed in 14 Nov	LC and WG		SOP available and being used as the material for information distribution/socialization in pilot schools.	
Step 2 Socialization for teachers, headmasters, and school committees	December 2011	17 & 19 Dec 2011			Sosialization meetings conducted in Elementary Schools: SDI Nunbaun Sabu and SDN Nunbaun Sabu, and SDI Oesapa Kecil.	

Step 3 Socialization for parents and students in the pilot elementary schools	December 2011	Dec 2012			Sosialization meetings conducted in in Elementary Schools: SDI Nunbaun Sabu and SDN Nunbaun Sabu, and SDI Oesapa Kecil.	
<b>Activity 2</b> Defining Eco friendly offices	November 2011	Executed in 14 Nov			Eco Friendly office stated in the Mayor Decree	
Step 1 Drafting Mayor Decree and SOP of Eco friendly in local government offices	November 2011	Executed in 14 Nov 2011			Mayor Decree and SOP available	
Results (as stated in the project design)	Indicators (as stated in the project design)	Sources of Information				
<b>Result 4:</b> Pick-up service of segregated solid waste in pilot elementary schools and selected offices by junk shops	regular pickup service schedule by 8 junkshop (once a week on Friday)					
Please list all activities which lead to result IV:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved –in current period	Problem faced and follow up action

<b>Activity 1</b> Defining 8 junkshop by Mayor Decree	Nov 2011	Executed in 14 Nov	LC and WG		Meeting with the junkshop on 3 November 2011	
<b>Activity 2</b> Compiling all SOPs needed for the project implementation as listed in the BP design	Nov 2011	Nov 2011	LC and WG		SOP available	
<b>Activity 3</b> Mou schools and junkshop	Nov 2011	Executed in 14 Nov	LC and WG		MoU available	
Results (as stated in the project design)	Indicators (as stated in the project design)	Sources of Information				
Monitoring and evaluation implemented	Number of visits and reports	Monitoring reports				
Please list all activities which lead to result:	Planned in month	Executed in month	Sources of Information	Steps achieved - until last period	Steps achieved -in current period	Problem faced and follow up action
Act.1 Establishing monitoring team	October 2011	Oct 2011			Monitoring Team consisting of Local and National Coach and Local Taskforce	
Act. 2 Implementing monitoring	October 2011 June 2012	Until June 2012			6 monitoring and coaching visits from October 2011 until June 2012	

BASELINE DATA

**Number of students at the pilot schools:**

No	School	Number of students			Number of teachers	Number of class
		Male	Female	Total		
1.	SD Inpres Oesapa Kecil	310	337	647	35 students	20 classes
2.	SD Inpres Nunbaun Sabu	178	182	360	21 students	12 classes
3.	SD Negeri Nunbaun Sabu	143	106	249	13 students	10 classes
<b>Total</b>		<b>631</b>	<b>625</b>	<b>1256</b>	<b>69</b>	42

YEAR	Population	Volume of waste/person/day	Volume of waste/day	Volume of waste collected/day)	Percentage of waste brought to landfill/day	Waste managed/month	Waste not collected/day	Percentage of waste not brought to landfill/day
2007	282.035 people	1,5 liter /person/day	423,052 m <sup>3</sup> /day	312 m <sup>3</sup> /day	73,65 %	30 m <sup>3</sup> /day	81,051 m <sup>3</sup> (goes to rivers, sea, burned, etc)	19 %
2010	335.585 people	1,5 liter/person/day	503,377 m <sup>3</sup> /day	252 m <sup>3</sup> /day	50 %	50 m <sup>3</sup> /day	201,377 m <sup>3</sup> (goes to rivers, sea, burned, etc)	40 %

**Number of households and members of Women's Group**

Name of Village	Number of Family	Number of RTM	Members of Women's Group
Oesapa Barat	Head of Family	1.014 KK	43 persons
Nunbaun Sabu	725 Head of Family	303 KK	22 persons