

Marine Debris and Social Economy Development

SMALL-SCALE WASTE COLLECTION INITIATIVES BY MMAF



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'GITA LAUT' PROGRAMMES - MMAF

In accordance with the mandate of Presidential Decree No. 83/2018, Indonesian Action Plan to Combate Marine Debris, MMAF/KKP (DJPRL) conducts part in the **Marine Debris Management in Coastal Area (Strategy 3)** where the program includes:



Build Temporary Landfill (TPS) facilities or recycling centers on the outermost small islands in 9 locations namely:

2018 (Target 3)	2019 (Target 3)	2020 (Target 5)
i. SKPT Morotai (Daero Majiko) ii. SKPT Talaud iii. Kenjeran, Surabaya iv. Labuan Bajo, NTT v. Desa Lembongan, Klungkung – Bali	i. Sukabumi ii. Cilincing, DKI Jakarta iii. Pekalongan iv. Batam	i. Nusa Penida - Lembongan, Bali ii. Morotai - Maluku Utara iii. P. Putri, Batam iv. P. Maratua v. P. Pulau Nusa Kambangan, Jawa Tengah

1. TEMPORARY LANDFILL (TPS) OR RECYCLING CENTERS ON OUTSIDE SMALL ISLANDS

1) & 2) SKPT MOROTAI DAN TALAUD

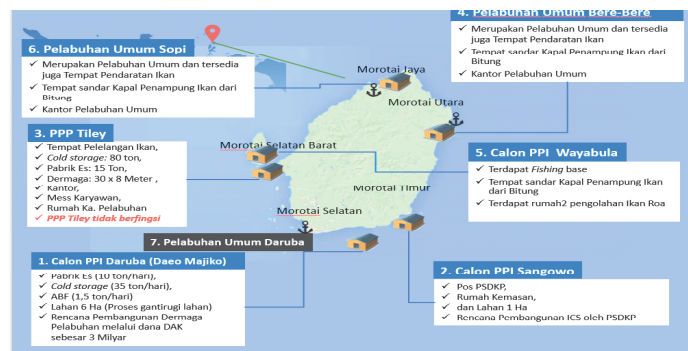


KEMENTERIAN KELAUTAN DAN PERIKANAN
DIREKTORAT JENDERAL PENGELOLAAN RUANG LAUT

PEMBANGUNAN SARANA DAN PRASARANA
PPI DAEO MAJIKO

ASBUILT DRAWING

BANGUNAN TEMPAT PENGOLAHAN SAMPAH TERPADU



SMALL-SCALE WASTE COLLECTION INITIATIVES



3) PLASTIC PRESS MACHINE (KENJERAN SURABAYA, JATIM)

has produced 2,170 kg of plastic press and sold to collectors at the Navy's community in Surabaya



4) PLASTIC CRUSHER AND PRESS MACHINE (LABUAN BAJO, NTT)

has produced 8 tons from 10 tons including the planned PDU and sent to Surabaya (in collaboration with Danone-Aqua)



SMALL-SCALE WASTE COLLECTION INITIATIVES



5) PLASTIC PRESS MACHINE (NUSA LEMBONGAN, BALI)

has produced 20 tons / month of chopped plastic and press and sold to Denpasar, Surabaya, Mojokerto, Sidoarjo



SMALL-SCALE WASTE COLLECTION INITIATIVES



6) PLASTIC PRESS MACHINE (SUKABUMI, JAWA BARAT)

As of August 2019, it has been compressing 18.6 tons of plastic, cardboard, cement bags, paper bags



7) PLASTIC PRESS MACHINE (CILINCING, DKI JAKARTA)

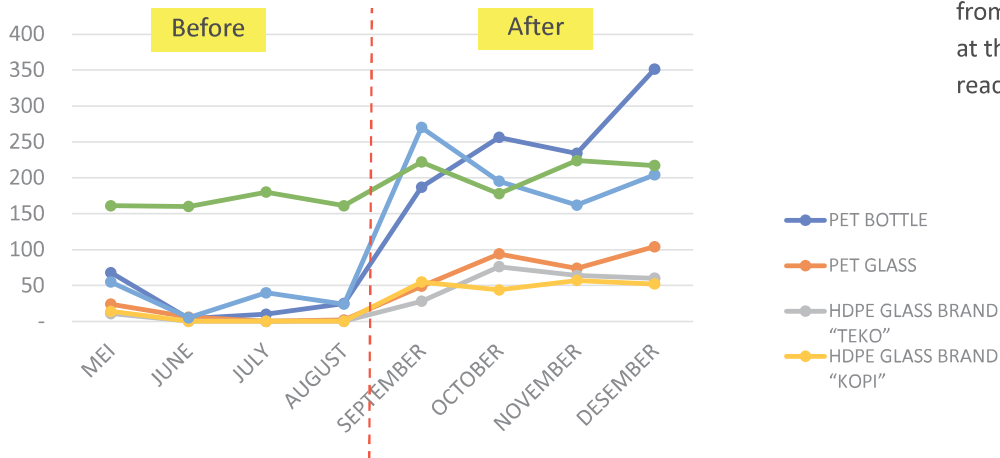
On average, 1.5 tons / month of garbage is collected



LESSON LEARNED KALIBARU, CILINCING

NO	MONTH	TYPE OF WASTE (KG)						
		PET BOTTLE	PET GLASS	HDPE GLASS BRAND "TEKO"	HDPE GLASS BRAND "KOPI"	CARDBOARD	MIXED	
	PRICE (APPROXIMATELY)	3800	7800	3000	3000	1350	1000	
1	MEI	68	24	11	14	55	161	
2	JUNE	4	6	-	-	5	160	
3	JULY	10	-	-	-	40	180	
4	AUGUST	25	2	-	-	24	161	
	TOTAL WASTE BEFORE MACHINE PROVIDED AND TRAINING	107	32	11	14	124	662	950
	PRICE	406.600	249.600	33.000	42.000	167.400	662.000	1.560.600
1	SEPTEMBER	187	49	28	55	270	222	
2	OCTOBER	256	94	76	44	195	178	
3	NOVEMBER	234	74	64	57	162	224	
4	DESEMBER	351	104	60	52	204	217	
	TOTAL WASTE AFTER MACHINE PROVIDED AND TRAINING	1.028	321	228	208	831	841	3.457
	PRICE	3.906.400	2.503.800	684.000	624.000	1.121.850	841.000	9.681.050

PROGRESS OF WASTE COLLECTION AND SORTING IN GARBAGE BANK FORKOMAPIN, KALIBARU – CILINCING MEI-DESEMBER 2019



With the provision of press equipment and training on the collection and sorting of waste to the Forkomapin Garbage Bank, waste management activities can increase by about 4 times compared to before, this can be seen from the significant increase in revenue at the end of December 2019 almost reaching **Rp 10,000,000** , -

For the results of handicraft activities, they have been able to convert plastic sachet waste into wallets, tissue containers, and bags. While from paper waste, the mothers can make it into a spoon, candy container, flower pot and calligraphy



LESSON LEARNED AND NEXT STEP

CIRCULARITY IS POSSIBLE

With the form of Public Private Partnership (PPP) cooperation. For example in Labuan Bajo and Nusa Lembongan.
Labuan Bajo = 8 tons – Surabaya Nusa Lembongan = 20 tons / month - Denpasar, Surabaya, Banyuwangi, Mojokerto

MY WASTE, MY RESPONSIBILITY

Awareness of the obligation to sort waste generated by each individual is needed, because without starting with oneself, integrated waste management will not work

01

02

03

04

05

WASTE MANAGEMENT ACTIVITIES BEGIN FROM COLLECTION, SEPARATION, PROCESSING UNTIL SALES NEED BUSINESS AND CONTRIBUTION OF ALL PARTIES.

Households - Collectors - Waste Banks - Private Parties - Local Governments - Central Government

PROVISION OF WASTE MANAGEMENT INFRASTRUCTURE

Local government / municipal government must be able to meet infrastructure such as TPS, TPS3R, TPA and assist the Trash Bank, garbage transport vehicles in each Sub District

CAMPAIGN, EDUCATION, AND SOCIALIZATION

Campaigns, education and ongoing socialization to change people's mindset / behavior.

SMALL-SCALE WASTE COLLECTION INITIATIVES



8) & 9) INSTALLATION OF MARKING FISHING GEAR FOR ALDFG (ABANDONED, LOST, OR OTHERWISE DISCARDED FISHING GEAR (PEKALONGAN))

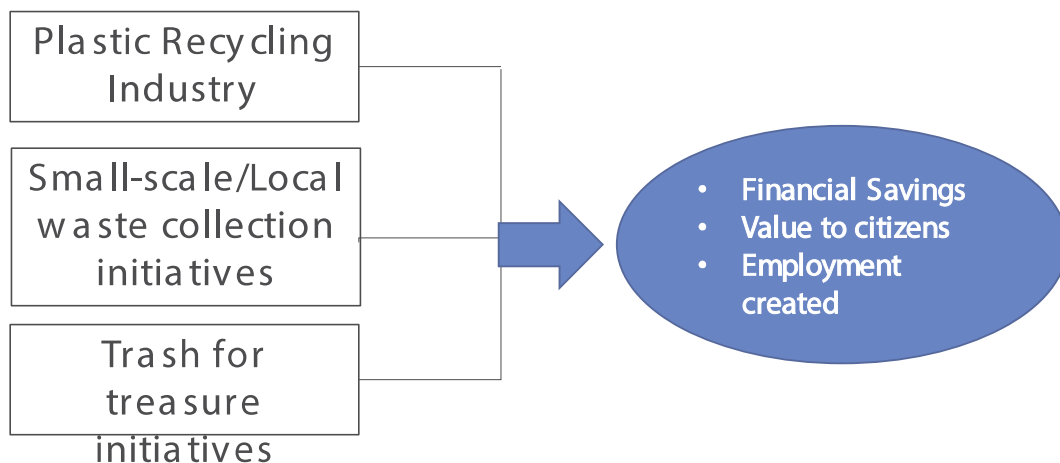
Plans: to collaborate with DG Capture Fisheries handling ALDFG; also provided press machines in Pekalongan to build a circular economy



CONCLUSION



- Recycling captures value from used materials, and can also result in savings for producers;
- Recycling also offers the potential to create jobs; and
- Direct investments in small/localised waste collection infrastructure can help reduce litter in coastal areas and therefore reduce the risk of items reaching the ocean.





Terima kasih
Thank You!
Muchas Gracias