



Achievement of National Plan of Action for Marine Debris Handling - INDONESIA

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Marine Plastics Litter: Status and Problems

Total Waste
Generated

65,8 million tons/year
(Jakstranas KLHK, 2017)

Plastic Waste
Generation

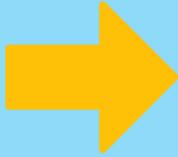
6,8 million tons/year
(NPAP WEF, 2020)

Plastics
Waste
Leakage

0,27 – 0,59 million tons/year
(LIPI, 2019)

Business as
Usual
Scenario

Population (↑)
Economic growth (↑)
Plastics Production and Usage (↑)
Plastic Waste Collection and Recycle (=)



National Target

reduce marine plastic debris by up to
70% by 2025



Plastics Waste Leakage to the
Ocean

- In the year of 2025,
predicted = 780.000 tons
(source: NPAP WEF, 2020)

5 Strategies on National Action Plans

Presidential Regulation Number 83/ 2018 concerning Combating Marine Debris

NUMBER OF ACTIVITIES

1. NATIONAL MOVEMENT TO INCREASE AWARENESS OF STAKEHOLDERS

2. WASTE MANAGEMENT SOURCED FROM THE LAND (LAND-BASED)

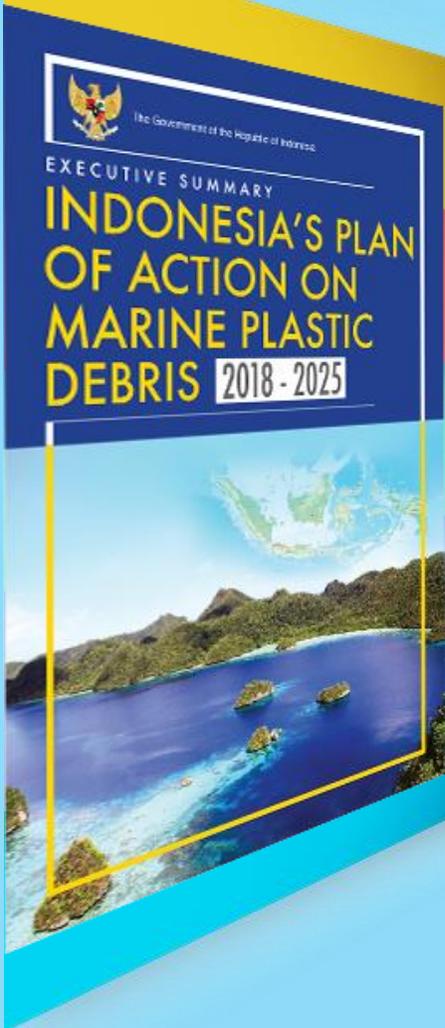
3. PREVENTION OF WASTE IN COASTAL AND THE SEA (SEA-BASED)

4. FUNDING MECHANISM, INSTITUTIONAL STRENGTHENING,
LAW ENFORCEMENT

5. RESEARCH AND DEVELOPMENT

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Those 5 strategies will be implemented by 16 line ministries/agencies, through synergizing programmes and policies on each ministry/agency with a view to achieve the national target on marine debris reduction.



5 STRATEGIES OF THE NAP



Strategy 1

National Movement to
Increase the
Stakeholders'
Awareness



Strategy 2

Land-based Waste
Management



Strategy 3

Waste Management in
the Coastal and Marine
Area



Strategy 4

Funding Mechanism,
Institutional-
Strengthening,
Observation, and Law
Enforcement



Strategy 5

Research and
Development



Strategy 1. National Movement to Increase the Stakeholders' Awareness



Launching of Waste Management Learning Materials "Sampahku, Tanggung Jawabku" (My Trash, My Responsibility)



Training for Recycling Center operationalization



Publishing Behavior Change Strategy Handbook: Step-by-step guidelines for building waste management behavior change initiatives



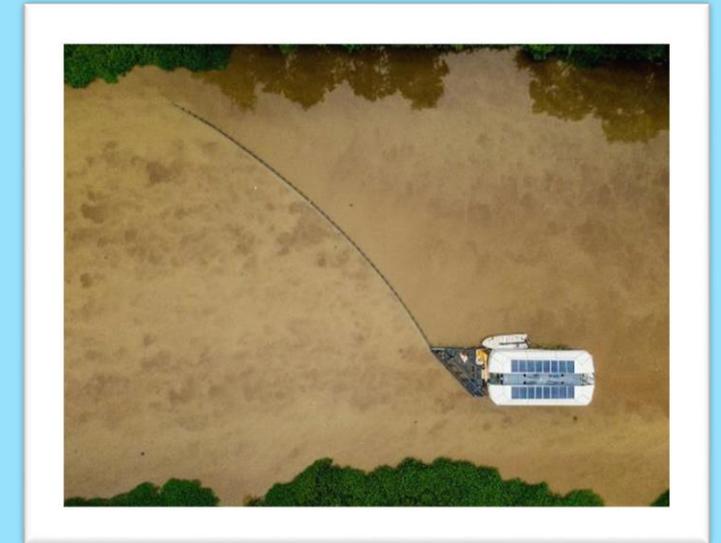
Strategy 2. Land-based Waste Management



Launching of *Refuse-Derived Fuel* in Cilacap



Ministry of Environment and Forestry Regulation No.P.75/2019 concerning Roadmap of Waste Reduction by Producer



Trash Collector in the River



Strategy 3. Waste Management in the Coastal and Marine Area



Building waste processing facilities on small islands



Beach and Underwater Clean-up





Strategy 4. Funding Mechanism, Institutional-Strengthening, Observation, and Law Enforcement



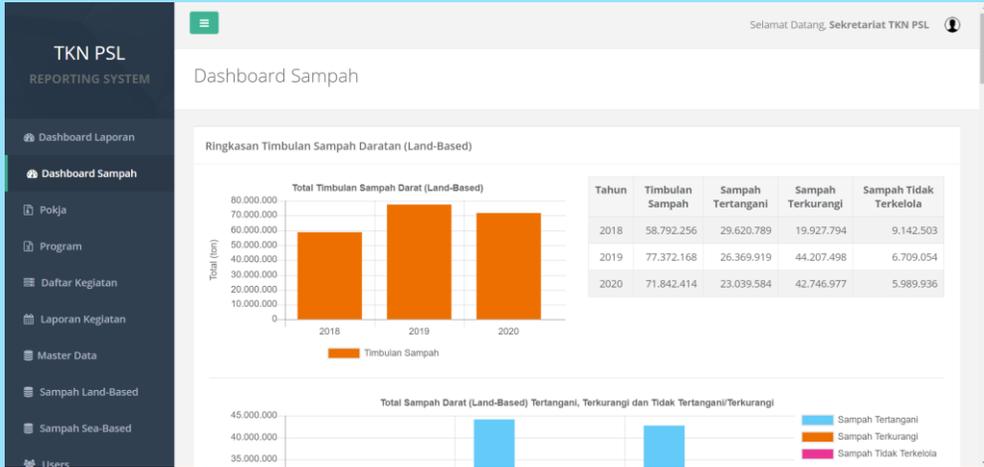
National Plastic Action Partnership



Governmental Regulation excise on plastics



Strategy 5. Research and Development



Development of marine debris monitoring system



Development of Biodegradable Plastic



Development Indonesian National Standard for biodegradable and recyclable plastic products



Indonesia Marine Debris Reduction Progress

Marine Debris Calculation Formula



Land-based waste
leakage into the sea



Sea-based waste from
maritime activities



Marine Debris

TAHUN	SAMPAH PLASTIK LAND BASED	SAMPAH PLASTIK SEA BASED	TOTAL SAMPAH PLASTIK	PERSENTASE PENURUNAN
2018	538.182,77	77.491,86	615.674,63	
2019	518.357,16	47.717,78	566.074,94	-8,1%
2020	508.755,70	12.784,97	521.540,67	-7,9%

After the calculation, it is found that there is a **15.3% decrease of plastic waste** that leaks into the Indonesian ocean since 2018 until 2020.



Thank you!

