INDONESIAN POLICY ON COMBATING PLASTIC POLLUTION: AVOIDING AND REDUCING SINGLE-USE PLASTIC AND DEVELOPING CIRCULAR ECONOMY

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## SOLID WASTE MANAGEMENT NATIONAL POLICY AND STRATEGY TARGET 2018–2025

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste generation (mil tons)</td>
<td>66.5</td>
<td>67.1</td>
<td>67.8</td>
<td>68.5</td>
<td>69.2</td>
<td>69.9</td>
<td>70.6</td>
<td>70.8</td>
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<tr>
<td>Waste reduction target (mil tons)</td>
<td>12 (18%)</td>
<td>13.4 (20%)</td>
<td>14 (22%)</td>
<td>16.4 (24%)</td>
<td>17.99 (26%)</td>
<td>18.9 (27%)</td>
<td>19.7 (28%)</td>
<td>20.9 (30%)</td>
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<tr>
<td>Waste handling target (mil tons)</td>
<td>48.5 (73%)</td>
<td>50.3 (75%)</td>
<td>50.8 (75%)</td>
<td>50.7 (74%)</td>
<td>50.5 (73%)</td>
<td>50.3 (72%)</td>
<td>50.1 (71%)</td>
<td>49.9 (70%)</td>
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</tbody>
</table>
POLICY DIRECTIVE
(LAW NO. 18/2008 AND PP NO. 81/2012)

SHIFTING THE PARADIGM

END OF PIPE SOLUTION

- Waste as pollutant loads
- No waste reduction
- No waste to resource
- No resource efficiency
- Full virgin resource extraction
- Linier economy: make-use-dispose

3Rs & EPR

- Reduce waste as pollutant loads
- Reduction at source
- Waste to resource
- Resource efficiency
- Limit virgin resource extraction
- Producer responsibility

CIRCULAR ECONOMY

- Eliminate single-use plastic items, design for reuse & recycle
- Make waste a new life as long as possible
- Achieve sustainable cities and communities (SDG goal no 11)
- Achieve responsible consumption and production (SDG goal no 12)
NATIONAL SOLID WASTE MANAGEMENT (SWM) TARGET IN JAKSTRANAS

INDICATORS:
1. DECREASING WASTE GENERATION PER CAPITA
2. REDUCING WASTE AT SOURCE (WASTE HIERARCHY)
3. REDUCING WASTE LEAKAGE TO ENVIRONMENT

30% REDUCTION BY 2025

INDICATORS:
1. INCREASING WASTE TO BE TREATED (RECYCLING, COMPOSTING, BIOGAS, THERMAL RECOVERY, RDF, ETC)
2. REDUCING WASTE TO BE LANDFILLED

REDUCED MARINE PLASTIC 70% BY 2025

70% HANDLING BY 2025
MINISTRY OF ENVIRONMENT AND FORESTRY
REPUBLIC OF INDONESIA

National Policy & Strategy in Solid Waste Management

Law, Regulation, Procedure, Criteria & Standard

International Cooperation

SWM Improvement

• Pilot Project
• DAK Allocation
• DID Plastic Waste Reduction
• Green Infrastructure
• Capacity Building
• Recycling Facilities Support
• Landfill Infrastructure Support
• Technical Assistant
• Monitoring & Evaluation through Adipura Program
• Technology & Innovation
• Research & Development
• Rewarding

Responsible Community through Communication, Information & Education

• Adiwiyata Program
• National SW Awareness Day (HPSN)
• National SW information System
• NGO/NPO & community involvement
• Mass media covering
• Public campaign
• River & Coastal Clean-up
• Seminar & exhibition
• Dialog & talk show
• Publication material
• Social media channeling

Responsible Producer

• Aidiwiyata Program
• National SW Awareness Day (HPSN)
• National SW information System
• NGO/NPO & community involvement
• Mass media covering
• Public campaign
• River & Coastal Clean-up
• Seminar & exhibition
• Dialog & talk show
• Publication material
• Social media channeling

International Cooperation

• UN Environment
• UNEA
• 3R Regional Forum Asia Pacific
• ASEAN Working Group on Environmentally Sustainable City
• JICA Japan
• Danish Government
• Netherland Government
• The World Bank
• European Union

Responsible Producer

• Single-use plastics & packaging waste reduction from retail sector
• Single-use plastic & packaging waste reduction from brand owner sector
• Single-use plastic & packaging waste from food & beverage service sector
Reducing & Circulating Plastics Waste

Production & Use of Plastics
- Eliminating unnecessary and avoidable single-use plastic
- Reducing over-packaging
- Reducing multilayer flexible plastic

Improving Waste Management
- Norm, standard, procedure & criteria
- Subsidy (DAK & DID)
- Green Infrastructure
- Capacity building
- Recycling industry development
- Technical support
- Monitoring & evaluation
- Incentive
- EPR implementation
- Informal sector engagement

Public Engagement & Law Enforcement
- HPSN
- National waste management information system
- Public campaign
- Seminar
- Exhibition
- Dialog & talk show
- Material of publication
- Social media channel
- Law enforcement
- Etc.

Re-design & Innovation
- Recyclability
- Reusability
- Compostability
- Durability
- More recycled content
- Alternatives to plastics

Reduction at Source
- Limiting use of unnecessary and avoidable single-use plastic
- Green public procurement
- Green office
- Green school & campus
- Community based 3Rs
- Bank sampah

• HPSN
• National waste management information system
• Public campaign
• Seminar
• Exhibition
• Dialog & talk show
• Material of publication
• Social media channel
• Law enforcement
• Etc.
ON GOING IMPLEMENTATIONS:

1. Improving data quality & management of plastic waste and marine plastic.
2. Mainstreaming solid waste management on national and local development planning and implementation (RPJMN/Jakstranas, RPJMD/Jakstrada).
3. Implementing the 2nd year of national action plan combating marine plastic.
4. Implementing extended producer responsibility roadmap in the following sectors brand owner manufacturer, retail industry, and food/beverage service industry.
5. Banning single-use plastics such as plastic bag, plastic straw, and plastic foam container (styrofoam) in 2 provinces and 30 cities/regencies.
6. Improving waste collection system (including take-back scheme) by integrating following channels: formal collection, informal sector, bank sampah, recycling centre, drop box, retailer, and digital start up.
7. Developing standards including recyclability, reusability, compostability, and recycled content.
8. Improving local government capacity in solid waste management by providing infrastructures and subsidies.
9. Building international cooperation and partnership bilateral and multilateral both global and regional level.
10. Danone Aqua has marketed ‘Aqua Life’ rPET bottle 100% recyclability, Unilever Indonesia has started to provide refill station at Saruga Bulk Store, several hotels and restaurants have been implementing no plastic bag and straws initiative.
11. Etc.
THANK YOU
TERIMA KASIH

FURTHER COMMUNICATION:
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