

ROAD MAP OF WASTE REDUCTION BY PRODUCER

THE MINISTER OF ENVIRONMENT AND FORESTRY REPUBLIC OF INDONESIA DECREE NO. P.75 / MENLHK / SETJEN / KUM NUMBER.1 / 10/2019

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[Link PERATURAN MENTERI LINGKUNGAN HIDUP DAN KEHUTANAN REPUBLIK INDONESIA NOMOR P.75/MENLHK/SETJEN/KUM.1/10/2019 TENTANG PETA JALAN PENGURANGAN SAMPAH OLEH PRODUSEN](#)

THE MINISTER OF ENVIRONMENT AND FORESTRY REPUBLIC OF INDONESIA DECREE NO. P.75 / MENLHK / SETJEN / KUM NUMBER.1 / 10/2019

CONCERNING

ROAD MAP OF WASTE REDUCTION BY PRODUCER

BY THE GRACE OF GOD ALMIGHTY

THE MINISTER OF ENVIRONMENT AND FORESTRY OF THE REPUBLIC OF INDONESIA

Considering: in order to implement the provisions of Article 15 paragraph (2) Government Regulation Number 81 Year 2012 concerning Household Waste Management and Similar Household Waste, it is necessary to stipulate a Ministerial Environment and Forestry Decree on Road Map of Waste Reduction by Producer;

Recalling: 1. Law No.18 of 2008 concerning Solid Waste Management (State Gazette of the Republic of Indonesia 2008 Number 69, Supplement to the State Gazette Republic of Indonesia Number 4851);

2. Law No.32 of 2009 concerning Environmental Protection and Management (State Gazette Republic of Indonesia Year 2009 Number 140, Supplement Republic of Indonesia State Gazette Number 5059);

3. Government Regulation Number 81 Year 2012 concerning Household Waste Management and Similar Waste of Household Waste (State Gazette Republic of Indonesia Year 2012 Number 188, Supplement State Gazette of the Republic of Indonesia Number 5347);

4. Presidential Decree Number 16 of 2015 concerning Ministry of Environment and Forestry 2015 State Gazette of the Republic of Indonesia Number 17);

5. The Minister of Environment and Forestry Decree Number P.18 / MENLHK-II / 2015 concerning Organization and Work Procedures of the Ministry of Environment and Forestry (State Gazette of the Republic of Indonesia 2015 Number 713);

DECIDING

Stipulating: THE MINISTER OF ENVIRONMENT AND FORESTRY CONCERNING DECREE of WASTE REDUCTION ROAD MAP BY PRODUCER

CHAPTER I

GENERAL REQUIREMENTS

Article 1

For the purposes of this Ministerial Decree:

1. Garbage means ~~is the rest~~ left over of human daily activities and / or solid waste from natural processes.
2. Producers are business actors that produce goods that use packaging, imported goods distribution by using packaging, or selling goods by using containers that cannot or are difficult to decompose by natural process.
3. Shopping Center is a certain area which consists of one or several buildings erected vertically or horizontally, for sale or leased to business actors or managed by themselves to conduct goods trading activities.

4. Modern shop is self-services shop, sell all type of goods through retailing such as a mini market, supermarket, department store, hypermarket or wholesaler.
5. People's Market is a market that is built and managed by the Government, Regional Government, private sector, agency state-owned businesses and regionally-owned enterprises including cooperation with the private sector businesses in the form of shops, kiosks, booths and tents owned / managed by small, medium traders, community self-help or cooperatives with small scale businesses, small capital with the process of trading merchandise through bargaining process.
6. Environment Permit is a permit granted to everyone who conducts a Business and / or Activity is called Amdal or UKL-UPL, in the context of environment protection and management as a prerequisite for obtaining a Business and / or Activity license.
7. Analysis of Environmental Impact a hereinafter referred to as Amdal is a study of significant impacts of a Business and / or Activity which planned on the required environment and it is necessary for the decision-making process for the implementation of the business and / or activity.
8. Environmental Management Efforts and Efforts Subsequent Environmental Monitoring abbreviated as UKL-UPL is management and monitoring towards businesses and / or activities which are not an important impact on the environment necessary for the decision - making process about conducting business and / or activities.
9. Statement of Management Capability and Subsequent Environmental Monitoring abbreviated as SPPL is a statement of ability from the party responsible for the business and / or activity for conduct environment management and monitoring living for the environmental impact of the business and / or activities outside the business and / or activities required Amdal or UKL-UPL.

10. Baseline for Waste generated is the amount of waste organized by level, status, trends, and waste generation projected a certain period of time, and used as a comparison factor for the achievement of waste reduction.
11. Minister is the minister who organizes governance affairs and protect living environment.
12. Director General is a high-level officer who is responsible for Waste Management.

Article 2

- (1) This Minister Decree regulates Road Maps of Waste Reduction by Producer period 2020 to 2029.
- (2) The road map as referred to in paragraph (1) is carried out to achieve the waste reduction target by the producer by 30% (thirty percent) compared to the amount of waste generation in year 2029.

Article 3

- (1) Producers as referred to in Article 2 include business actors and / or activities in the field of:
 - a. manufacture;
 - b. food and beverage services; and
 - c. retail.

- (2) Manufacture as referred to in paragraph (1) letter a includes:
 - a. food and beverage industry;
 - b. consumer goods industry; and
 - c. cosmetics and body care industry (personal care)

- (3) The field of food and beverage service as referred to in paragraph (1) of letter b includes:
 - a. Dining restaurants;
 - b. café ;
 - c. restaurants;
 - d. caterings; and
 - e. hotel.

- (4) The retail as referred to in paragraph (1) of letter c includes:
 - a. Shopping Center;
 - b. Modern Shop; and
 - c. People's Market.

Article 4

- (1) Waste reduction is carried out on products, product packaging, and / or containers that:
 - a. difficult to degrade by natural processes;
 - b. cannot be recycled; and / or

c. cannot be reused.

(2) Products, product packaging, and / or containers as is referred to in paragraph (1) includes:

- a. Plastic;
- b. aluminium can;
- c. glass; and
- d. paper.

Article 5

The road map for waste reduction by producers as is referred to in Article 2, Article 3, and Article 4 are listed in Appendix I which is inseparable part from this Minister Decree.

CHAPTER II

IMPLEMENTATION OF WASTE REDUCTION ROAD MAP

Article 6

(1) Waste Reduction as referred to in Article 4 is carried out through:

- a. limitation on waste generation;
- b. recycle; and

c. reuse.

(2) Limitation of waste generation as intended in paragraph (1) letter a, it is done by:

- a. use the product, product packaging, and / or containers that are easily degraded by natural processes and which create waste as little as possible; and / or
- b. do not use the product, product packaging, and / or containers that are difficult to degrade by natural processes.

(3) Recycling as referred to in paragraph (1) letter b is done by:

- a. using raw materials that can be recycled; and / or
- b. using raw materials from recycled product

(4) Reuse as intended in paragraph (1) letter c is carried out by using raw materials from recycled product

Article 7

(1) Recycling and reuse as referred to in Article 6 paragraph (3) and paragraph (4) must be accompanied by withdrawing product's waste, product packaging, and / or recycling container and / or reused.

(2) Withdrawing as referred to in paragraph (1) must be accompanied by the provision of -/ collecting point

(3) Collecting point as referred to in paragraph (2) must meet the following provisions:

- a. protected from rain and heat;

- b. use closed containers with label or sign; and
- c. differentiate material, shape and / or container color.

(4) In providing collecting point facilities, producers can collaborate with:

- a. registered garbage bank at the Government and / or Local Government;
- b. waste treatment plant with limited principle of waste generation (TPS 3 R); or
- c. recycling center.

(5) In conducting recycling and waste utilization as referred to in paragraph (1), Producers can collaborate with licensed business entities.

Article 8

(1) Residue from recycling the product and / or reuse as referred to in Article 7 paragraph (1) activities are carried out:

- a. processing; and / or
- b. final waste processing.

(2) Processing as referred to in paragraph (1) shall be carried out by :

- a. compression;
- b. material recycling; and / or
- c. energy recycling.

- (3) final Waste processing as referred to in paragraph (1) letter b is conducted by returning residue from waste recycling and / or reuse to environment in safely manner
- (4) Further provisions in regard with waste processing and / or final waste processing as referred to in paragraph (2) and paragraph (3) are conducted according to the existing the legislation.

Article 9

Based on the road map as referred to in Article 5 Producers carry out:

- a. planning;
- b. implementation;
- c. monitoring;
- d. evaluation; and
- e. reporting.

Article 10

- (1) Planning as referred to in Article 9 letter a includes:
 - a. determine the person in charge of activities;
 - b. determine the Baseline for Waste generation;
 - c. set the target and time to achieve waste reduction;
 - d. identifying products, product packaging, and / or containers produced and / or used in the business and / or activities;

- e. collecting data types and quantities of products, product packaging, and / or containers that cannot or are difficult to degrade by natural processes, cannot be recycled, and / or cannot be reused;
 - f. determine how to reduce waste as referred to in Article 6;
 - g. waste reduction trial; and
 - h. communication, information and education
- (2) Waste reduction target as intended in paragraph (1) letter c is determined individually or together with the business related association and / or activities with refers to the waste reduction target as regulated in this Ministerial Decree.
- (3) Every product, product packaging, and / or container as referred to in paragraph (1) letter d which taken part to reduce waste, must have a label affirming that the product and / or product packaging:
- a. can be composted;
 - b. can be recycled; and / or
 - c. can be reused.
- (4) In the case that the Local Government has stipulated policy prohibiting the use of products, packaging certain products, and / or containers, the producers in conducting business and / or activities in the administrative area should make adjustment into the planning.
- (5) Planning as referred to in paragraph (1) arranged in a document with the format listed in Appendix II which is inseparable from this Ministerial Decree.

Article 11

- (1) Producers conducting business and / or its activities in commercial areas, planning documents as referred to in Article 10 paragraph (5) is coordinated by the area manager-
- (2) Franchise producers whose businesses and / or activities have SPPL mandatory, planning documents as referred to in Article 10 paragraph (5) could be-coordinated by the holding company.

Article 12

- (1) Planning documents referred to in Article 10 and Article 11 are submitted to the Minister through the Director General with a copy to -10- governor or regent / mayor in accordance with his authority.
- (2) Planning documents referred to in paragraph (1) include information regarding:
 - a. identity of the applicant;
 - b. copy of Environmental Permit or SPPL; and
 - c. copy of business and / or activity permit.
- (3) Planning documents referred to in paragraph (1) is used as the basis for waste reduction implementation.

Article 13

- (1) In implementing Waste reduction as referred to in Article 12 paragraph (3), Producers conduct monitoring.

- (2) Monitoring as referred to in paragraph (1) conducted by:
 - a. recording the types and quantities of products and packaging products produced and / or used on business and / or activities;
 - b. recording the types and quantities of products and packaging products that cannot or are difficult to degrade by natural processes, waste which have been reduced, including the way in making the reduction; and
 - c. recording the type and amount of residuals from waste recycling and/or reusing the waste-
- (3) Monitoring as referred to in paragraph (2) performed at least 1 (one) time in 6 (six) month.
- (4) The results of monitoring as referred to in paragraph (3) are documented and in written document

Article 14

- (1) The results of monitoring as referred to in Article 13 paragraph (3) is used as the basis for evaluating implementation Reduction of Waste by Producers-
- (2) Evaluation as referred to in paragraph (1) is carried out by:
 - a. comparing the achievement of waste reduction in the current period with a waste reduction target that has been set; and
 - b. identifying obstacles encountered in implementing waste reduction.
- (3) In the event that there are obstacles as referred to in paragraph (2) letter b, the Producers takes steps to improve planning documents.
- (4) Changes to planning documents as referred to in paragraph (3) is submitted to the Minister with a copy to the governor or regent / city mayor in accordance with its authority.

Article 15

- (1) In addition to implementing Waste reduction as referred to in Article 14, Producers carry out communication, information and education strategies to consumers to have role in in the waste reduction through:
 - a. product selection and / or product packaging that can be composted, recycled and / or reused, and
 - b. return products and / or packaging products that can be recycled and / or reused to the shelter facility.

- (2) Guidelines for communication, information and education strategies as referred to in paragraph (1) listed in Appendix III which is inseparable part from this Minister Decree.

Article 16

- (1) Producers are required to prepare reports for Waste reduction implementation

- (2) The report referred to in paragraph (1) at least contain:
 - a. types and quantities of raw materials for products and packaging product that have been reduced;
 - b. number and type of product packaging that is easily degraded by natural processes and create less waste as possible, which have been produced;
 - c. the amount and type of raw materials that can be recycled and / or reused;
 - d. implementation of withdrawing product and product packaging for recycling and / or reused;
 - e. type and amount of residue coming from the recycled waste and / or reused waste; and
 - f. the constraints and the corrective steps that are taken in implementing Waste reduction.

- (3) In the case of withdrawing products, packaging products and recycling and / or reuse carried out by other parties, reports as referred to in paragraph (2) must be completed with information:
- a. cooperation contract between the producer and the other parties in conducting recycling as referred to in Article 6 paragraph (4) and / or in providing shelter facilities as referred to in Article 7 paragraph (3);
 - b. the number and type of products and product packaging withdrawn has been carried out; and
 - c. the number and type of products and product packaging has been recycled and / or reused.
- (4) Reports as referred to in paragraph (2) and paragraph (3) becomes part of the Environmental Permit report and SPPL.
- (5) Reports as referred to in paragraph (4) submitted to the Minister, governor and regent / city mayor in accordance with its authority.
- (6) Report to governors and regents / mayors as referred to in paragraph (4) is submitted with a copy to the Minister.
- (7) The report referred to in paragraph (4) is prepared by using the format as stated in Appendix IV which is inseparable from this Ministerial Decree.

Article 17

- (1) Waste reduction report as intended in Article 16 paragraph (4), is used as the basis for implementation verification by:
- a. Minister, through the Director General;
 - b. governor, through the local officer responsible for waste management services in province; and
 - c. regents / mayors, through the local officer responsible for waste management services in district / city.

- (2) Verification as referred to in paragraph (1) is carried out To get information:
 - a. national waste reduction achievement by Producer;
 - b. reduction of the amount of waste generated from the product and / or product packaging at the landfill;
 - c. Recycling business entities that work together with the producer as referred to in Article 7 paragraph (4); and
 - d. product storage facilities and / or packaging product referred to in Article 7 paragraph (1) and paragraph (3).
- (3) The results of verification as referred to in paragraph (2) arranged in the form of minutes of meeting with contain information:
 - a. Waste reduction target compliance compared to achievement;
 - b. the conditions of product storage facilities and / or product packaging; and
 - c. constraints faced by Producers in carrying out waste reduction.
- (4) The results of verification as referred to in paragraph (2) become the basis for Producers to improve Waste reduction plan document.

CHAPTER III

DUTIES AND AUTHORITIES

Article 18

- (1) The Minister has the duty and authority:
 - a. Supervise waste reduction Waste by the Producer;
 - b. Develop criteria and measurement methods and recycling rate;
 - c. Develop minimum recycling material content criteria in product packaging;

- d. Develop product packaging markers criteria;
- e. Coordinate and evaluate the implementation of waste reduction by Producer;
- f. Arrange level, status, and tendencies the amount of national Waste reduction by Producer;
- g. Carry out guidance to the Provincial Government area;
- h. Develop create and develop incentive schemes for Regional Local Government and / or Producer; and
- i. Conduct communication, information and education strategies to the public.

(2) The Governor has the duty and authority:

- a. Supervise waste reduction Waste by the Producer;
- b. Evaluate waste reduction by Producer;
- c. Provide guidance to the Local Regional Government district / city;
- d. Develop Create and develop incentive schemes for Producer; and
- e. Develop communication, information and education strategies to the public.

(3) The Regent / mayor has the duty and authority:

- a. Supervise waste reduction waste by the Producer ;
- b. Evaluate waste reduction by Producer;
- c. Create and Develop incentive schemes to producers; and
- d. Develop communication, information and education strategy to the public.

(4) Supervision as referred to paragraph (2) letter a and paragraph (3) letter a are made at least 1 (once) in 1 (one) year.

Article 19

In the case of governors or regents / city governors according his authority does not do so referred to in Article 18 paragraph (2) letter a and paragraph (3) letter a, the supervisory authority is by the Minister.

Article 20

Communication, information and education strategies as is referred to in Article 18 paragraph (1) letter i, paragraph (2) letter e, and paragraph (3) letter d, include:

- a. Increasing public awareness of hazard products and product packaging that cannot or are difficult decomposed by natural processes, on environmental media;
- b. Increasing public understanding of labels product and / or product packaging that cannot be degraded or difficult degraded by natural process
- c. Increasing public understanding of returning product mechanism and / or packaging products to storage facilities;
- d. Opportunities and benefits in conducting recycle product and / or reuse and / or product packaging;
- e. Community advocacy on waste reduction;
- f. Mainstreaming waste reduction information in to the education curriculum; and / or
- g. Other forms in accordance with the development of science.

Article 21

- (1) The Minister, governor and regent / mayor in accordance with its authority impose sanctions to the Producers which do not carry out waste reduction as referred to in the Ministerial Decree-

- (2) Sanctions as referred to in paragraph (1) implemented in accordance with the provisions of the Legislation.

CHAPTER IV

INCENTIVE AND DISCENTIVE

Article 22

- (1) The Minister, governor and regent / mayor are in accordance with its authority can provide incentives or disincentives to producers.
- (2) the incentives referred to in paragraph (1) in the form of:
- a. Appreciation;
 - b. Publication of good performance appraisals rating and / or
 - c. Other forms in accordance with the development of science knowledge and provisions of laws and regulations.
- (3) The disincentives referred to in paragraph (1) in the form publication of negative performance by Producer-
- (4) Publication of performance rating as referred to in paragraph (2) letter b and paragraph (3) is done through the print media or electronic.

Article 23

- (1) Awards as referred to in Article 22 paragraph (2) letter a can be given to:
 - a. Association;
 - b. Area manager; and
 - c. Holding company, who oversees the business and / or activities as referred to in Article 3 paragraph (1).

- (2) The award referred to in paragraph (1) given by taking into account:
 - a. Policies made in support implementation of achieving waste reduction;
 - b. Performance of waste reduction carried out by its subsidiaries or members; and
 - c. Compliance of a subsidiary or business and / or activities that are members of the association, toward implementation of provisions in this Decree.

- (3) Awards as referred to in paragraph (1) is the Government's recognition of associations performance and / or holding companies.

Article 24

- (1) Awards as referred to in Article 22 paragraph (2) letter a, is given by:
 - a. Minister, to Producers which issue The environment permit issued by the authority of Government, associations and holding companies as referred to in Article 24 paragraph (1);
 - b. The Governor, to the Producer which the environment Permit issued by the authority of the Provincial Government; and
 - b. Regents / Mayors, to Producers which The Environmental Permit issued by the authority of Regency / city.

Article 25

- (1) The Minister may propose incentives to Local Government in the form of financial assistance for Waste management through the Finance Minister.
- (2) The incentives as referred to in paragraph (1) is given based on the results of the assessment of:
 - a. Local Government policy in waste reduction and management; and
 - b. Local Government performance in waste reduction and management.
- (3) Evaluation of the performance of the Local Government as referred to in paragraph (2) is carried out in accordance with regulation of Adipura.

CHAPTER V

FINANCING

Article 26

All costs arising from the implementation of the Minister Decree is charged to:

- a. State Budget (ABPN), Provincial Government Revenue and Expenditure Budget (APBD) and Local Government Revenue and Expenditures Budget (APBD) of Regency/ city, and / or other legal sources in accordance with Legislation, for the implementation of duties and authorities of Minister and / or Local Government; and

b. Producers, in reducing Waste.

CHAPTER VI

CLOSING

Article 27

This Minister Decree shall come into force on the date stated.

In order to make public aware of this decree, the Minister Decree is placed in the Official Gazette of the Republic of Indonesia.

Stipulated in Jakarta, on October 18, 2019

THE MINISTER OF ENVIRONMENT AND FORESTRY OF THE REPUBLIC OF INDONESIA,

signed

SITI NURBAYA

Issued in Jakarta

on December 5, 2019

DIRECTOR GENERAL OF
LEGISLATION MINISTRY OF LAW AND HUMAN RIGHTS
REPUBLIC OF INDONESIA

signed

WIDODO EKATJAHJANA

STATE GAZETTE OF THE REPUBLIC OF INDONESIA OF 2019 NUMBER 1545

Copies in accordance with the original

Plt. BUREAU OF LAW, HEAD

signed

MAMAN KUSNANDAR

APPENDIX I

REGULATION OF THE MINISTER OF ENVIRONMENT AND FORESTRY REPUBLIC OF INDONESIA NUMBER P.75 / MENLHK / SETJEN / KUM.1 / 10/2019 ABOUT ROAD MAP OF WASTE REDUCTION BY PRODUCERS

ROAD MAP OF WASTE REDUCTION BY PRODUCERS PERIOD OF 2020 – 2029

A. TABLE OF WASTE REDUCTION MAP BY PRODUCERS

Activity stages		Year / Waste Reduction Target									
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
1	Planning										
	1) Drafting documents of waste reduction plan										
	2) Construction of Facilities and Mechanisms for Collecting Waste or Making Cooperation with Waste Banks / TPS 3R / Licensed Business Entities										
	3) Trial of Waste Reduction Activities										
2	Implementation										
	Carry out the stages of waste reduction according to planning documents										
3	Monitoring										
4	Evaluation										
5	Reporting										
	Compile and submit implementation reports of waste reduction										

B. TYPES OF PRODUCTS, PACKAGING, AND / OR CONTAINERS IN THE BUSINESS FIELD

B.1. MANUFACTURING

NO.	TYPES OF PRODUCTS, PACKAGING, AND / OR CONTAINERS	R1 (REDUCE)	R2 RECYCLING)	R3 (RE-USE)	INFORMATION
1	PLASTICS				
	<p>a. Polyethylene (PE): 1) <i>High Density Polyethylene (HDPE)</i>; dan 2) <i>Low Density Polyethylene (LDPE)</i></p>	<p>1. The label on the bottle packaging uses embossed printing technology (emboss) as a substitute: a. plastic label; and b. label by printing ink on the bottle body, and / or 2. Bottle packaging for products: a. The Foods are made with a volume of at least 200 gram; b. The drink is made with the smallest volume of 1ltr; c. Consumer goods are made with the smallest volume of 500 ml; and / or d. Liquid soap and shampoo are made with a volume of 500 ml.</p>	<p>1. Using 100% recyclable materials; 2. Using 50% recycled content of recycled packaging produced; 3. Close loop (recycled into the same packaging); and / or 4. Open loop (recycled into raw materials for finished / downstream products).</p>	<p>Use HDPE packaging that can be reused. Example: reusing soap / shampoo bottles.</p>	
	<p>b. Polyethylene terephthalate (PET)</p>	<p>1. The label on the bottle packaging uses embossed printing</p>	<p>1. Using colourless plastic for mineral water packaging;</p>	<p>Using PET packaging that can be reused.</p>	

			<p>technology (emboss) as a substitute:</p> <ol style="list-style-type: none"> a. plastic label; and b. label by printing ink on the bottle body, and / or <p>2. Bottle packaging for drinks is made with a volume at least 1 ltr.</p>	<ol style="list-style-type: none"> 2. Using 100% recyclable materials; 3. Using 50% recycled content of recycled packaging produced; 4. Close loop (recycled into the same packaging); and / or 5. Open loop (recycled into raw materials for finished / downstream products). 		
	c.	<i>Polyvinyl-chloride (PVC)</i>	<p>Prohibition of the use of products, packaging, and / or containers, effective 1st January, 2030</p> <p>example:</p> <ol style="list-style-type: none"> a. packaging of ceramic cleaning liquid; b. packaging of liquid for cleaning utensils eating and drinking. 	<ol style="list-style-type: none"> 1. Using 100% recyclable materials; 2 Using 50% recycled content recycled packaging produced; 3. Close loop (recycled into the same packaging); and / or 4. Open loop (recycled into raw materials for finished / downstream products). 	Using packaging that can be reused.	R2's activities must be carried out until the effective date of the ban on the use of packaging and / or containers made from PVC disposable.
	d.	<i>Polypropylene (PP)</i>	<ol style="list-style-type: none"> 1. Prohibition of the use of flexible plastic (sachets) as packaging products with sizes 	<ol style="list-style-type: none"> 1. Using monolayer for sachet packaging; 	Using packaging that can be reused.	R2 activities must be carried out until the effective date of the ban on the use of

			<p>less than 50 ml or 50 gr are effective 1st January, 2030 example:</p> <p>a. food sachets; b. soap and shampoo sachets, and / or</p> <p>2. Prohibition of the use of plastic straws on beverage packaging, effective 1st January, 2030.</p>	<p>2. Using 100% recyclable materials; 3. Using 50% recycled content recycled packaging produced; 4. Close loop (recycled into the same packaging); and / or 5. Open loop (recycled into raw materials for finished / downstream products).</p>		flexible plastic packaging (sachets) made from disposable PP.
	e.	Polystyrene (PS)	Prohibition of the use of products, packaging, and / or containers, effective 1 st January, 2030.	<p>1. Using 100% recyclable materials; 2. Using 50% recycled content recycled packaging produced; 3. Close loop (recycled into the same packaging); and / or 4. Open loop (recycled into raw materials for finished /</p>	Using packaging that can be reused.	R2 activities must be carried out until the effective date of the prohibition on the use of packaging and / or containers PS disposables.

				downstream products).		
2	ALUMINIUM CANS	<p>1. Labels on bottle packaging using embossed printing technology (emboss) as a substitute:</p> <p>a. plastic label; and</p> <p>b. label by printing ink on the bottle body, and / or</p> <p>2. Aluminium packaging for:</p> <p>a. liquid products are made with a minimum volume of 330 ml; and</p> <p>b. Solid products are made with a minimum weight of 200 gram</p>	<p>1. Using 100% recyclable materials;</p> <p>2. Using 50% recycled content recycled packaging produced;</p> <p>3. Close loop (recycled into the same packaging); and / or</p> <p>4. Open loop (recycled into raw materials for finished / downstream products).</p>	Using aluminium packaging that can be reuse example:	<p>a. reuse biscuit cans;</p> <p>b. reuse candy cans</p>	
3	PAPER	<p>Paper packaging for</p> <p>a. liquid products are made with a minimum volume of 250 ml; and / or</p> <p>b. powdered products are made with a minimum weight of 200 grams.</p>	<p>a. Using 100% recyclable materials;</p> <p>b. Using 50% recycled content recycled packaging produced;</p> <p>c. Close loop (recycled into the same packaging); and / or</p> <p>d. Open loop (recycled into raw</p>	Use paper packaging that can be reused	Example:	reuse cardboard boxes

			materials for finished / downstream products).		
4	GLASS	<p>1. Glass packaging for beverage products is made by volume at least 220 ml; and / or</p> <p>2. Labels on bottles use embossed printing technology (emboss) as a substitute:</p> <p>a. plastic label; and</p> <p>b. label by printing ink on the body of the bottle</p>	<p>a. Using 100% recyclable materials;</p> <p>b. Using 50% recycled content recycled packaging produced;</p> <p>c. Close loop (recycled into the same packaging); and / or</p> <p>d. Open loop (recycled into raw materials for finished / downstream products).</p>	Using glass packaging that can be reused example: reuse glass bottles	

B.2. FOOD AND DRINK SERVICES

NO.	TYPES OF PRODUCTS, PACKAGING, AND / OR CONTAINERS	R1 (REDUCE)	R2 RECYCLING)	R3 (RE-USE)	INFORMATION
1	PLASTICS				
	<p>a Disposable Plastic made from:</p> <ol style="list-style-type: none"> 1) Polystyrene (PS); 2) Polypropilene (PP); and / or 3) Polyethylene (PE): <ol style="list-style-type: none"> a. High Density Polyethylene (HDPE); and b. Low Density Polyethylene (HDPE). 	<p>Prohibition of use:</p> <ol style="list-style-type: none"> 1. Plastic Bags; and 2. Disposable Eating and Drinking Equipment, including Spoons, Forks and Straws, effective January 1, 2030. 	<ol style="list-style-type: none"> 1. Using non-recyclable plastic bags; 2. Using eating and drinking utensil that are 100% recyclable; and/or 3. Using eating and drinking utensil whose have 50% recycled materials. 	<ol style="list-style-type: none"> 1. Using non- plastic bags that can be recycled; and 2. Using eating and drinking utensil that can be reused. Example: <ol style="list-style-type: none"> a. using plates / glasses from glass; b. using stainless steel spoons and forks (stainless steel). 	<p>R2's activities must be carried out until the effective date of the ban on the use of disposable plastics and eating and drinking utensils disposable paper.</p>
2	PAPER	<p>Using eating and drinking utensil that are easily decomposed by the nature process. Example: Utensil of eat and drink whose can eated</p>	<ol style="list-style-type: none"> 1. Using eating and drinking utensil that are 100% recyclable; and / or 2. Using 50% recycled material. 	<p>Using eating and drinking utensil that can be re-used. example:</p> <ol style="list-style-type: none"> a. using plates / glasses from glass; b. using stainless steel spoons and forks (stainless steel). 	

B.3. RETAIL

NO.	TYPES OF PRODUCTS, PACKAGING, AND / OR CONTAINERS	R1 (REDUCE)	R2 RECYCLING)	R3 (RE-USE)	INFORMATION
1	PLASTICS				

	<p>Disposable Plastic Bags made from Polyethylene (PE):</p> <ol style="list-style-type: none"> 1. High Density Polyethylene (HDPE); and 2. Low Density Polyethylene (LDPE). 	<ol style="list-style-type: none"> 1. Prohibition of using Disposable Plastic Bags, effective 1st January, 2030; 2. Sell products without packaging and / or containers that can not or difficult to decomposed by nature process; and / or 3. Sell products with a bulk sales system. 	<ol style="list-style-type: none"> 1. Using non – recyclable plastic bags ; 2. Using plastic bags with 100% recyclable into raw materials; 3. Using plastic bags with 50% recycled materials; and / or 4. Selling products with packaging and / or containers that can be recycled. 	<p>Using plastic bags that can be reused. Example: Providing shopping bags made from cloth, gunny sacks, and similar;</p>	<p>R2 activities must be carried out until date validated ban effective to use of disposable plastic bags</p>
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APPENDIX II

REGULATION OF THE MINISTER OF ENVIRONMENT AND FORESTRY REPUBLIC OF INDONESIA
NUMBER P.75 / MENLHK / SETJEN / KUM.1 / 10/2019
ABOUT ROAD MAP OF WASTE REDUCTION BY PRODUCER

DOCUMENT FORMAT WASTE REDUCTION PLANNING

(LETTERHEAD)
WASTE REDUCTION PLANNING

I. IDENTITY OF COMPANY

a. Company's name :
b. Company's address :
c. Coordinate point :
d. Tel / Fax :
e. Website :
f. Contact person :
(Person in charge of Activity)
g. Email :

II. COMPANY PROFILE

a. Business Sector and / or activity;
b. Organizational structure;
c. Vision and mission of the company
d. Policies and programs for waste management in the company and / or activity sector.

III. WASTE REDUCTION PLAN

a. Personal in charge of activities
b. Baseline of waste generated;
c. Determination of ways to reduce waste;
d. Specifying of targets and time to achieve waste reduction.
e. Implementation plan of Communication, Information and Education
f. Exercise of waste reduction from product and product packaging

IV. ATTACHMENTS

a. Baseline of waste generated
b. Table of waste reduction implementation

Jakarta, ... / ... / 20 ...

Signed
Personal in charge
Business and / or Activity

GUIDELINE

I. COMPANY IDENTITY

In the section of corporate identity the data are listed as follows:

- Company Name : (Filled in accordance with what is stated in the Environmental Permit, SPPL and / or business permit)
- a.
- b. Company Address : (Filled in accordance with what is stated in the Environmental Permit, SPPL and / or business permit)
- c. Coordinate Point : (Filled with coordinates of the location of the business and / or activity)
- d. Tel / Fax : (required)
- e. Website : (if applicable)
- f. Person in charge : (Filled with the representative authority company)
- g. Email : (required)

II. BUSINESS PROFILE

Business and / or Activity Profile is a general description include:

- a. Line of business and / or activity
This section fill with the information according to business field and / or activities such as manufacture, food and beverage services, or retail. In addition to that information, write down the number of business unit and / or activities if more than one and / or the owner of brand and /or certain activities;
- b. Organizational structure
This section fill with information about the arrangement and the relationship between each division as well as the existing position in companies in carrying out business fields and / or activities such as manufacture, food and beverage services, or retail;
- c. Vision and mission of business

This section fill with information about foresight of the business and / or activity such as manufacture, food and beverage services, or retail and the goals and what action will be carried out to achieve that goals;

d. Environmental policy

This section fill with information about policies applied by the business and / or activity such as manufacture, food and beverage services, or retail for that matter waste management, especially in implementing the obligation to reduce waste by carrying out restrictions, recycling and reused.

III. WASTE REDUCTION PLAN

The Waste reduction plan includes:

a. Determination of the person responsible for the activity, including the formation of a team if needed;

This section is filled with individuals and / or teams responsible for implementing the waste reduction program that is determined by the company leader through a Decision Letter and / or Letter of Assignment. The duties and functions of the person in charge for the activity is to compile waste reduction plan, monitoring and evaluation the implementation waste reduction and compile reporting of implementation results of waste reduction both internally to the companies leader and the Government in accordance with the provisions in this regulation.

b. Determination of Baseline of waste generation;

This section is filled with product identification and packaging produced and / or used in business and / or its activities as well as data on the type and number of products and product packaging which cannot or is difficult to decompose by natural processes for 5 (five) years before implementation of waste reduction and / or at least 1 (one) year as initial data and projection the number of production for 5 (five) years after issued of the Regulation Minister for Waste reduction and / or at least 1(one) year with units used are kilograms (kg) and packaging unit.

Baseline data preparation is displayed in the form of a product table and packaging produced and / or used in business and / or its activities annually and record the types and amounts products and product packaging that cannot or is difficult to decompose natural processes from January to December with total data accumulative as initial data.

Table Number of Product Production and / or Product Packaging Year 20 .. - 20 ..

Name of Product Packaging	Type of Product Packaging	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
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Example Table of Product Production Amount and / or Product Packaging Food and Beverage Services 2015 – 2026

Type of Product Packaging	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Plastic Glass	1200/ 600kg	1380/ 690kg	1587/ 720kg	1825/ 812kg	2099 / 1050kg	2414/ 1207kg	2776/ 1388kg	3192/ 1600kg	3671/ 1836kg	4221/ 2111kg	4855/ 2428kg	5583/ 2781kg
Mica Plastic Cover	900/ 450kg	1035/ 516kg	1190/ 595kg	1369/ 685kg	1574/ 787kg	1810/ 905kg	2082/ 1041kg	2394/ 1197kg	2753/ 1377kg	3166/ 1583kg	3641/ 1821kg	4187/ 2094kg
Straw	1200/ 600kg	1380/ 690kg	1587/ 794kg	1825/ 913kg	2099/ 1050kg	2414/ 1207kg	2776/ 1388kg	3192/ 1596kg	3671/ 1836kg	4221/ 2111kg	4855/ 2427kg	5583/ 2942kg
TOTAL	5400	6210	7142	8213	9445	10861	12491	14364	16519	18997	21846	25123

c. Determination of Reduced Waste Methode;

This section is filled in with the reduced waste metode to be implemented by the company and based on baseline data waste generation before implementing Waste reduction with the potential for waste reduction and waste reduction strategies as a material to determine targets and road maps of waste reduction by producer per ten years.

To make efforts to reduce waste, there are several ways can be chosen by producer adjusted with producer's ability and best available technology, this is intended so that the method of waste reducing the selected can fulfill the targets to be achieved. Here are some metode to waste reduction can be chosen :

- i. Limitation of waste generation, by:

- 1) using products, product packaging, and / or containers that are easily decomposed by natural processes and which cause waste as little as possible; and / or
- 2) do not use products, product packaging, and / or containers that are difficult to decomposed by natural processes.
- ii. Waste recycling, by:
 - 1) using raw materials production that can be recycled; and
 - 2) take back waste from the product and product packaging to be recycled
- iii. Waste reused, by:
 - 1) using production raw materials that can be reused; and
 - 2) take back waste from product and product packaging to be reused.

If reducing the recycling waste and / or waste reused must be accompanied with a recycling plan and / or reusing which details contains of scheme taking back of waste from product and product packaging. The scheme at least includes:

- 1) Procedure for taking back waste from products and packaging products to be recycled and / or reused
- 2) Type of waste collection facility for products and packaging Product
- 3) Location of collection facilities for taking back waste from products and product packaging, for example at the Shopping Center, Retail, Waste Bank that registered
- 4) The scheme of taking back to the waste recycling and parties involved in the recycling scheme, which includes parties appointed as locations for collection facilities, parties appointed for waste transportation from products and product packaging from the location of collection facilities to stakeholder appointed in the process of waste recycling from products and product packaging.
- 5) Mechanism of cooperation between Producers and parties who appointed to do the recycling, on this mechanism it must contain a contract letter of cooperation containing the right and the obligation of the parties appointed to do the recycling. This cooperation contract letter expected to be the basis for implementing cooperation measurable and verified for both parties who work together so that can easies the Producers when doing monitoring and evaluating.

d. Determination of Target and Time to Achieve Waste Reduction.

In this section it is filled with the Waste reduction target must refer to road maps of the Waste Reduction by Producer per ten years of the period 2020 - 2029 in this Ministerial Regulation, which is road maps of the Waste Reduction implemented for achieve the target of Waste reduction by the producer in each business sectors by 30% in 2029, compared to Waste generation Baseline in the form of goods, product packaging and / or containers which is produced and / or used by producers in their business and in achieving waste reduction targets per each business, the Producer can set the amount of the waste reduction target together through associations as an umbrella for the businesses

Determination this target covering waste reduction percentage, with the achievements indicator measured is number of waste from product and product packaging that cannot or difficult to decompose by nature process, number and type of product and product packaging have done taking back, number and type of product and product packaging who had recycled and / or reused.

Type of Product Packaging	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Plastic Glass	1200/ 600kg	1380/ 690kg	1587/ 720kg	1825/ 812kg	2099 / 1050kg	2414/ 1207kg	2776/ 1388kg	3192/ 1600kg	3671/ 1836kg	4221/ 2111kg	4855/ 2428kg	5583/ 2781kg
R1						724/ 362kg	833/ 417kg	958/ 480kg	1101/ 551kg	1266/ 633kg	1456/ 728kg	1675/ 838kg
R2 & R3 (take back)						1690/ 845kg	1943/ 972kg	2234/ 1117kg	2570/ 1285kg	2955/ 1478kg	3398/ 1700kg	3908/ 1954kg
Mica Plastic Cover	900/ 450kg	1035/ 516kg	1190/ 595kg	1369/ 685kg	1574/ 787kg	1810/ 905kg	2082/ 1041kg	2394/ 1197kg	2753/ 1377kg	3166/ 1583kg	3641/ 1821kg	4187/ 2094kg
R1						543/ 272kg	625/ 313kg	718/ 359kg	826/ 413kg	950/ 475kg	1092/ 546kg	1256/ 628kg
R2 & R3						1267/ 634kg	1457/ 729kg	1676/ 838kg	1927/ 964kg	2216/ 1108kg	2549/ 1275kg	2931/ 1466kg
Straw	1200/ 600kg	1380/ 690kg	1587/ 794kg	1825/ 913kg	2099/ 1050kg	2414/ 1207kg	2776/ 1388kg	3192/ 1596kg	3671/ 1836kg	4221/ 2111kg	4855/ 2427kg	5583/ 2942kg
R1						724/ 362kg	833/ 417kg	958/ 479kg	1101/ 551kg	1266/ 633kg	1456/ 728kg	1675/ 838kg
R2 & R3						1690/ 845kg	1943/ 972kg	2234/ 1117kg	2570/ 1285kg	2955/ 1478kg	3398/ 1699kg	3908/ 1954kg
TOTAL	5400	6210	7142	8213	9445	10861	12491	14364	16519	18997	21846	25123

Table Targets of Waste Reduction (%)

e. Implementation Plan of Communication, Information and Education

This section fill with strategies of communication, information and education to the consumer will be carried out by the company in implementing Waste Reduction. On the strategies of communication, information and education at least includes:

- 1) Material of communication, information and education at the implementation site Waste reduction activities from products and product packaging waste which includes:
 - i. Procedure for selecting products and / or product packaging that can be composted, recycled and / or reused; and
 - ii. Procedures for the return of products and / or products packaging that can be recycled and / or reused to collecting facilities.
- 2) Media used for the socialization of Waste reduction activities from products and product packaging to consumers;
- 3) Incentives that will be given to the public / consumers participating in the waste reduction from products and product packaging;
- 4) Location of collecting facilities for take back waste from product and product packaging;
- 5) Waste reduction training material from products and product packaging for operators who are directly involved in the activities of waste reducing from products and product packaging;
- 6) Periodic reports on the implementation of waste reduction from products and product packaging.

f. Test Plan for Reducing Waste from Products and Packaging Product

~~On~~ This section is fill with information about the plan of implementation of trial activities as a simulation of implementation Waste reduction on a larger scale with pay attention to the scale of production, product distribution, the amount of waste from the production and products packaging of produced, conditions of social economics, Producer's ability, consumer readiness for implementation of waste reduction from products and / or products packaging and the best available technology provided to the achievements target. In the implementation of this trial plan at least contain:

- 1) Activities of implementation Waste reduction from production and selected product packaging and
- 2) Implementation's activities of strategies implementation Communication, Information and Education.

The filling of the Waste Reduction road map plan document is compiling by the producer individually or coordinated by area manager in this case that the producer carries out the business and / or activities in commercial areas. The form of the commercial area can be: a trade center, People's Markets, shops, hotels, offices, restaurants and places entertainment. Commercial area manager in the form of People's Market, between other:

- a. cooperative;
- b. Regional Company; or
- c. Regional District devices / city in charge of market management;

Copies in accordance with the original

THE MINISTER OF ENVIRONMENT AND

Plt. HEAD OF THE LAW BUREAU,

FORESTRY OF THE REPUBLIC OF INDONESIA

Signed

Signed

MAMAN KUSNANDAR

SITI NURBAYA

APPENDIX III

THE MINISTER OF ENVIRONMENT AND FORESTRY REPUBLIC OF INDONESIA DECREE P.75 / MENLHK / SETJEN / KUM NUMBER.1 / 10/2019
ABOUT ROAD MAP WASTE REDUCTION BY PRODUCER

GUIDELINES OF WASTE REDUCTION COMMUNICATION, INFORMATION, AND EDUCATION STRATEGY, BY PRODUCERS TO CONSUMERS

To achieve the waste reduction target of the product and / or product packaging, in implementing Waste reduction, communication, information and education (IEC) strategies are needed for consumers to play a role in waste reduction through:

- (1) Preparation of communication, information and education on Waste reduction materials from products and packaging waste.**
- (2) Provision of communication, information and education material at the location implementation of waste reduction activities for products and packaging product.**

In the preparation of communication, information and education materials on Waste reduction from products and packaging waste, preparation IEC material includes:

a. Selection of compostable products and / or packaging, recycled and / or reused, at least material contain about:

- 1) Waste category and type of product and / or packaging product;
- 2) How to choose products and / or packaging that can composted, recycled and / or reused, through:
 - i. Calls to reduce Waste;
 - ii. Information regarding product and packaging hazards which are not environment friendly;
 - iii. Information on related to laws and regulations in the field for Waste reduction;
 - iv. Calls to use environment friendly products and friendly packaging environment;
 - v. Calls to sort and put waste from the product and product packaging in the right place;
 - vi. Calls to use food containers and drinks made from environmental friendly raw materials;
 - vii. Calls to use food containers and drinks that can be recycled and / or reused;
 - viii. Information on how to collect waste from products and / or packaging from consumers to shelter storage facilities;

- ix. Information about the flow of the production and consumption process product, waste recalls from the product and / or packaging to the recycling process and / or reuse and recycled products and / or forms product from reuse Waste products and / or product packaging (circular economy).

b. Recalls of recyclable products and / or packaging, reused , to a shelter facility, at least contains material regarding:

- 1) Waste collection facility for products and / or packaging;
- 2) Location of waste collection facilities for products and / or packaging;
- 3) The appointed party withdraw Waste from products and / or packaging in order to guarantee Waste management being withdrawn;
- 4) The type and amount of waste from products and / or packaging product withdrawn;
- 5) Information on how to collect waste from products and / or packaging from consumers to shelter facilities in the form of visual aids and simulations about the procedures for Waste collected from products and / or packaging;
- 6) Flow of Production process and product consumption, withdrawal Waste products and / or packaging to the recycling process and / or reuse and recycled products and / or Waste reuse from the product and / or product packaging (circular economy) to guarantee that reclaimed garbage will be recycled and / or re-use;

c. Recycling and / or reusing waste from the product and / or product packaging made by the Producer, which at least contains material:



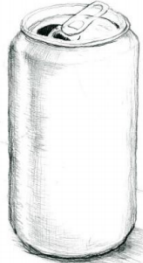
- 1) The party appointed to conduct recycling and / or reuse;
- 2) The type and amount of product from Recycling and/or reusing waste products and / or packaging;
- 3) The process of recycling and / or reusing waste from the product and / or packaging;
- 4) Recycled Products and / or reused from Waste products and / or product packaging.

- d. In preparing the IEC material, so that the material can be conveyed well and right on target, the Producer must determine consumers target who become the target of waste reduction by identifying consumer groups, age ranges and type of work, through this identification will make producers easier in determining the material content delivered including how language and appropriate media are used in delivering the IEC material- In addition to that, producers must also determine performance indicators and time targets, indicators that are referred to may include the level of consumer understanding of IEC material on reducing waste from products and / or product packaging, the number of consumers who sort and put Waste from products and product packaging in the right place (can be measured by the number of consumers who do Waste collection from products and / or product packaging to shelter facilities or the amount of waste from the product and / or packaging delivered to the shelter facility per period of specified time. In terms of IEC material, IEC material can be delivered in various ways, channels or media, which include:

- 1) Visual form can be done by using media posters, banners, spanduk/ billboards, POP cards, and other visuals media forms;

- 2) The form of communication through audio media can be done by using a paging system or loudspeaker through the information department in certain area, for example in retail, Shopping Centers and traditional markets;
- 3) Audio-visual communication material can be done in forms of public service announcements containing messages for waste reduction from products and / or product packaging;
- 4) Waste collection facilities from products and / or packaging as a waste collection place for products and / or product packaging.

Waste collection facilities can play a role as IEC media, in this case, the garbage bin products and / or packaging can be designed in such a way as to be attract the attention of consumers who want to submit The rubbish according to the type of rubbish or appropriate with the purpose, in this case, the storage facilities are made to make consumer easier to sort and put waste properly and correctly. Storage facility design should be adjusted to the shape of the waste product and / or product packaging to attract attention and allow consumers to easily recognize it. For example, storage facilities for the type of beverage waste (PET bottle) shaped like the bottle or tailored to their needs.

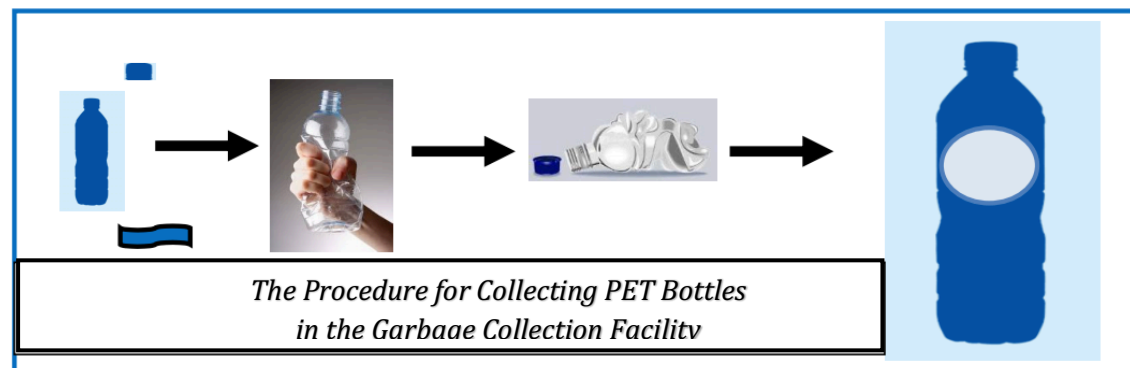
		
<p>Example of the form of a PET bottle waste collection facility</p>	<p>Examples of the forms of cardboard waste collection facilities</p>	<p>Example of the forms of Aluminium cans waste collection facilities</p>

Waste collection facilities from products and / or packaging products as IEC media are expected to not only play a role as a waste collecting tool but also a medium for changing consumers behaviour toward the waste they produce. For example, the design of the facility of garbage collection was designed so that before consumers / communities put their packaging waste, it is mandatory for them to spend the contents of the packaging first before The packaging waste is placed in a storage facility or you can also display the storage facility clear information on how the waste collection procedure from products and / or packaging.

- 5) Teaching aids and / or simulations about the procedure for Waste collection from products and / or packaging.

The procedure for collecting waste from products and / or Product packaging can play a role as an IEC media in Waste reduction from products and / or product packaging, delivery of procedures for the collection of waste from the product and / or product packaging can be in the form of props and / or simulation. In addition to that The use of teaching aids and / or simulations about the procedure for collecting waste from products and / or Product packaging will attract attention consumers / society and also will make consumers / society easier to play a role in the waste withdrawal scheme from the product and / or product packaging.

Teaching aids and / or simulations about Garbage collection procedures from products and / or packaging can vary, can be through education Waste packaging bottles through image simulation.



Example of a simulation procedure for garbage collection from PET bottle packaging, explained that before consumers / communities put their waste in the storage facility, discarded PET bottle packaging must be separated between the label and the lid, then squeezed and placed in a storage facility, the purpose is with the PET bottle packaging process, Waste volume will be reduced so that the Garbage Collection facilities can accommodate more garbage from PET bottle packaging.

- 6) incentives for consumers

Other forms of IEC material that can be applied are through giving the provision of incentives given by producers to distributors, retailers and consumers who support the effort of Waste reduction by following applicable policies at each Producer. Manufacturer. The form of incentive programs that are can be given to consumers in the form of:


- i. gift items
- ii. discounted price / voucher; and
- iii. lottery.

The form of providing incentives from producers to consumers or to other parties is up to Producer policy. Manufacturers Producer can provide incentives independently or in collaboration with other parties who support the reduction effort. The most important thing is the provision of is the incentive is intended as motivation for waste reduction efforts from products and / or packaging be sustainable.

7) Product Labelling and / or product packaging

Other IEC media is through product labelling on and / or product packaging, in the providing this label, at least contains clear information for distinguish types of product packaging and / or product packaging which can be composted, recycled and / or reused, can be a sign or colour in accordance with the the applicable regulation.

The following are examples of IEC media that can be applied in Waste reduction from products and / or packaging through Recycling of PET bottle packaging, it can be placed in Shopping Centres, Retails and Public Spaces.

	<p>Information on storage facilities and / or separately includes:</p> <ul style="list-style-type: none"> • An invitation to sort and put waste from the package in the right place • Procedure for collecting garbage from packaging • Incentive is given, if available • Information about the waste packaging recycling process, if available display recycled products, or display with a picture / chart (circular economy) • The amount of waste packaging collected, along with the schedule transportation • The party who withdrawn • The party conducting the recycling
<p>PET Bottle Waste Collection Facility</p>	

The most important thing in the Waste IEC reduction material of the product and / or product packaging is the availability of clear information about how the next process for the waste collected by consumers / communities at the storage facility, this becomes very important to consumers / society why consumers should participate in the waste reduction, what contribution can be made by consumers / community

towards Waste reduction efforts of the product and / or product packaging, therefore guarantees and traceability of the withdrawn and recycling process are very important in this IEC material and the incentives for consumers can be strong encouragement so that efforts to Waste reduction from the product and / or product packaging is sustainable.

- (3) Socialization of waste reduction activities from products and product packaging to consumers;**
- (4) Providing incentives to the public / consumers who participate in reducing waste from products and product packaging;**
- (5) Provide storage facilities for waste withdrawal from products and product packaging;**
- (6) Training in reducing waste from products and product packaging for operators who are directly involved in the activities of reducing waste from products and product packaging;**
- (7) Monitoring and evaluating the implementation of waste reduction from products and product packaging;**
- (8) Preparation of reports on the implementation of waste reduction from products and product packaging.**

Copies in accordance with the original

Plt. HEAD OF LAW FIRM,

Signed

MAMAN KUSNANDAR

THE MINISTER OF ENVIRONMENT AND

FORESTRY OF THE REPUBLIC OF INDONESIA,

Signed

SITI NURBAYA

APPENDIX IV

THE MINISTER OF ENVIRONMENT AND FORESTRY REPUBLIC OF INDONESIA DECREE P.75 / MENLHK / SETJEN / KUM NUMBER.1 / 10/2019
ABOUT ROAD MAP REDUCTION WASTE BY MANUFACTURER

WASTE REDUCTION REPORTING

I. COMPANY IDENTITY

- a. Company name :
- b. Company's address :
- c. Coordinate point :
- d. Tel / Fax:
- e. Website:
- f. Contact person : (Activity Person in Charge)
- g. Email:

II. BUSINESS PROFILE

- a. Line of business and / or activity.
- b. Organizational structure.
- c. Vision and mission of business entities.
- d. Policies and programs in the area of waste management
scope of business and / or activity.

III. WASTE REDUCTION PLAN

- a. Baseline calculation for waste reduction.
- b. Determination of Baseline for Waste reduction.
- c. Determination of how to reduce the use of reduction waste, achievement targets, planned activities and implementation periods of activities.
- d. A description of how to reduce waste from products and product packaging.
- e. A description of target achievement.
- f. A description of the plan for reduction and implementation period of activities.

IV. IMPLEMENTATION OF WASTE REDUCTION

- 4.1. A description of the implementation of waste reduction from the product and product packaging with activity documentation:
 - 4.1.1. Selected method of reducing waste.
 - 4.1.2. Implementation of withdrawal product and product packaging for recycling and / or reuse which includes procedures for withdraw, types of waste collection facilities, the location of the withdraw facility and the withdrawal channel to the recycling of the Waste and the mechanism of cooperation between the Producers and the parties appointed to carry out recycling, if appointing another party.
 - 4.1.3. Implementation of Communication, Information and Education to consumers.
- 4.2. Description of monitoring / monitoring of implementation Waste reduction from products and product packaging, by calculating the periodic reduction of Waste from products and product packaging, which includes:
 - 4.2.1. types and quantities of raw materials for products and product packages that have been reduced.
 - 4.2.2. the amount and type of product packaging that is easily degraded by natural processes and which causes the least amount of waste, which has been produced.
 - 4.2.3. the amount and type of production raw materials that can be recycled and / or reused.

V. EVALUATION OF PRODUCT WASTE REDUCTION REDUCED ACHIEVEMENTS FROM PRODUCT AND PRODUCT PACKAGING

- 5.1. Calculation of the achievement of waste reduction from the product and product packaging in the current period with a predetermined waste reduction target.
- 5.2. Obstacles.
- 5.3. Improving Steps

VI. ATTACHMENT

- 6.1. Cooperation contract between the Producer and the parties in conducting recycling.
- 6.2. Copy of business license and / or activity from the designated party to conduct the recycling.
- 6.3. Detailed documentation of recycling / reuse activities carried out by other parties, including:
 - SOP of the withdraw implementation;
 - SOP on the implementation of recycling / reuse;
 - Report on the realization of withdrawal activities;
 - Report on realization of recycling activities / reuse.

Jakarta, ... / ... / 20 ...
Person in charge
Business and / or Activity

Copies in accordance with the original

Plt. HEAD OF LAW FIRM,

Signed

MAMAN KUSNANDAR

THE MINISTER OF ENVIRONMENT AND

FORESTRY OF THE REPUBLIC OF INDONESIA,

Signed

SITI NURBAYA