

PT DAUR ULANG BUMI



smart waste center

Resources & processes efficiency through
integrated **data-driven** cloud system recycling
centre

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Smart Waste Center is a state-of-the-art plastic recycling facility of Buangdisini that utilizes technology and digitalization to sort, quality check, and efficiently process plastic materials into high-quality plastic flakes for the manufacturing industry, while also utilizing digital tools such as mobile apps for integrated data management and improved operational efficiencies.

Our product :

- **Plastic Recycled Semi Raw Material**
- **Filtered used-cooking oil**



SMART WASTE CENTER

INTRODUCTION



Advance Production Utilities
Utilities are designed with ergonomics, efficiency and safety in mind to improve both quality and quantity in process



Optimized Full-line Process
-Centralized control system
-Energy-efficient machinery for recycling process
-Improve production efficiency and minimize defects.



IT and Data
Improvement for real time data about tracking the flow of plastic waste from collection to fully processed



Training and Development
-Comprehensive training methods
-Visualized and standardized work - methods and operating procedures.

The centres can pay themselves back in **< 1 year** by selling **semi-raw materials** and saving production cost and energy efficiency

VISION

**MAKING AN IMPROVED WAY
OF LIVING THROUGH
CIRCULAR ECONOMY**



MISSION

Adopting a circular culture **to achieve a balance** between economic growth, environmental preservation, and social well-being.

Ensuring equal opportunities for all to participate in and benefit from the circular economy.



CATALOG PRODUCTS



PET BALES

PET plastic waste that is bound together into bales



PET FLAKES

A small pieces of recycled PET plastic



USED COOKING OIL

Oil that has been used for frying or cooking food and is no longer suitable for human consumption



CLEAR PET FLAKES



LIGHT BLUE PET FLAKES



HDPE FLAKES



USED COOKING OIL for Bio-Diesel



Specification PET Bales

TYPE	COLOR	DIMENSION	WEIGHT	PRODUCTION CAPACITY
PET Bales	Clear	100 x 80 x 110	80 kg/bales	40 MT/Months
PET Bales	Light Blue	100 x 80 x 110	90 kg/bales	40 MT/Months

Specification PET Flakes

PET BE Hot Wash		
MATERIAL DESCRIPTION		2023
Scrap / Material Category	:	PET FLAKES
Material Origin	:	100% Recycled PET Bottles
Contamination other Material	:	<200 ppm
Specification of Material	:	10-12 mm Flakes
Processing	:	Hot Washed
Color	:	Clear
Moist Level	:	<2%
Packaging	:	Sack 30 Kg
Production Date	13 February 2023	
Quality Control	SC – QC'er	
PRODUCTION BY		
 BUANGDISINI		

PET Clear Hot Wash

PET BM Hot Wash		
MATERIAL DESCRIPTION		2023
Scrap / Material Category	:	PET FLAKES
Material Origin	:	100% Recycled PET Bottles
Contamination other Material	:	<200 ppm
Specification of Material	:	10-12 mm Flakes
Processing	:	Hot Washed
Color	:	Light Blue
Moist Level	:	<2%
Packaging	:	Sack 30 Kg
Production Date	13 February 2023	
Quality Control	SC - QC'er	
PRODUCTION BY		
 BUANGDISINI		

PET Light Blue Hot Wash

Specification PET Flakes

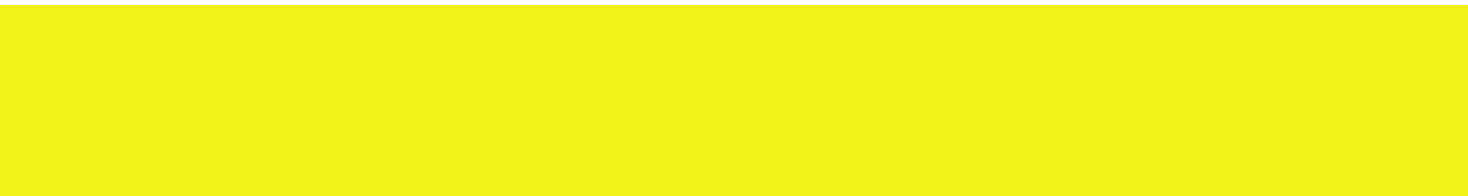
PET BE Cold Wash		
MATERIAL DESCRIPTION		2023
Scrap / Material Category	:	PET FLAKES
Material Origin	:	100% Recycled PET Bottles
Contamination other Material	:	<200 ppm
Specification of Material	:	10-12 mm Flakes
Processing	:	Cold Washed
Color	:	Clear
Moist Level	:	<2%
Packaging	:	Sack 30 Kg
Production Date	13 February 2023	
Quality Control	SC - QC'er	
PRODUCTION BY		
 BUANGDISINI		

PET Clear Cold Wash

PET BM Cold Wash		
MATERIAL DESCRIPTION		2023
Scrap / Material Category	:	PET FLAKES
Material Origin	:	100% Recycled PET Bottles
Contamination other Material	:	<200 ppm
Specification of Material	:	10-12 mm Flakes
Processing	:	Cold Washed
Color	:	Light Blue
Moist Level	:	<2%
Packaging	:	Sack 30 Kg
Production Date	13 February 2023	
Quality Control	SC - QC'er	
PRODUCTION BY		
 BUANGDISINI		

PET Light Blue Cold Wash

Specification Used Cooking Oil



Used Cooking Oil		
MATERIAL DESCRIPTION		2023
HS CODE		15180039
Material Origin	:	Used Cooking Oil
Free Fatty Acid	:	2,876%
Moist	:	0,191%
Impurities	:	0,171%
Color	:	3 Red
Water Content	:	0,06%
Production Date	5 January 2023 SC – QC'er	
Quality Control		
PRODUCTION BY		
 BUANGDISINI		

Used Cooking Oil

Documentation





PT DAUR ULANG BUMI

SMART WASTE CENTER

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