

Prepared by:

Updated: 8th December, 2021



A New Life for Fabrics and Plastics

Flagship brands:



Kloth Malaysia Environmental. Economy. Social.

Status: Social Enterprise Accreditation (SE.A)

Accredited by:



A tax exempt social enterprise by:



Since 11.12.13

WOMEN




Fabric Recycling Movement
Since 18.8.18

TEXTILES & CLOTHING

CIRCULAR ECONOMY

INSPIRATION Catalyst in textile and clothing circular economy

VISION 2030 South East Asia's preferred and trusted solution provider for managing and innovating textile waste

Keep Fabric Out of Landfills



WomanUp

Rising with #SHEconomy

APPROACH Establishment and development of value chains and movements with multi stakeholders

IMPACT Waste are recycled into new products and resources with higher material value and purpose



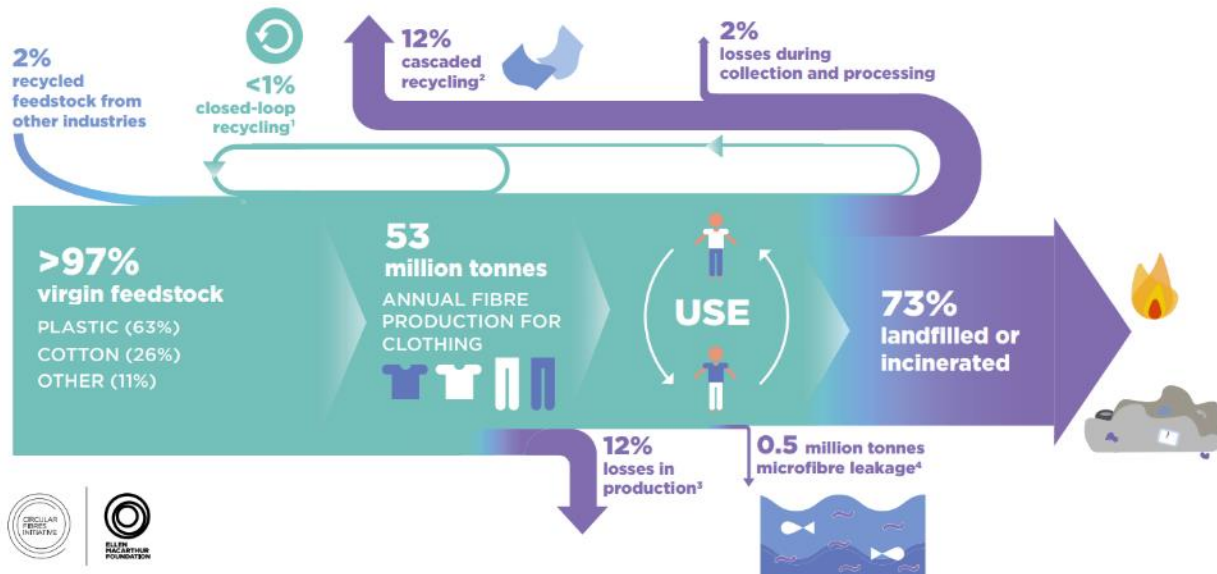
Rethink. Reduce. Reuse. Repurpose. Recycle.

What is Textile Circular Economy? What is Happening?

The vision of a new textile economy is based on the principles of a circular economy, in which clothes, textiles, and fibers are kept at their highest value during use and never end up as waste.



FIGURE 3: GLOBAL MATERIAL FLOWS FOR CLOTHING IN 2015



- 1 Recycling of clothing into the same or similar quality applications
- 2 Recycling of clothing into other, lower-value applications such as insulation material, wiping cloths, or mattress stuffing
- 3 Includes factory offcuts and overstock liquidation
- 4 Plastic microfibres shed through the washing of all textiles released into the ocean

Source: Circular Fibres Initiative analysis – for details see Appendix B

Who are the circular economy players in Malaysia?



Nat May 28 · 4 min read



Recycle

Recycling reduces the product back to its material level so it can be made into a new product.

1. **Kloth Cares** — collects old clothing to recycle (becomes rags) or redistribute

Kloth Cares is recognized as one of the circular economy players in Malaysia.

Textile Waste & Fast Fashion Data

KLOTH CARES™ FABRIC RECYCLING MOVEMENT



**Why
should you
care too?**

Out of the
3.1 million tonnes
of total waste disposed of in 2018,
6.3% or 195,300 tonnes
were fabric waste SWCorp Data



When fabric and textile waste decompose, a potent greenhouse gas called methane is released. Landfill methane emission affects climate change.



When fabric and textile are manufactured, harmful substances such as dyes and chemicals are produced which can pollute the water.



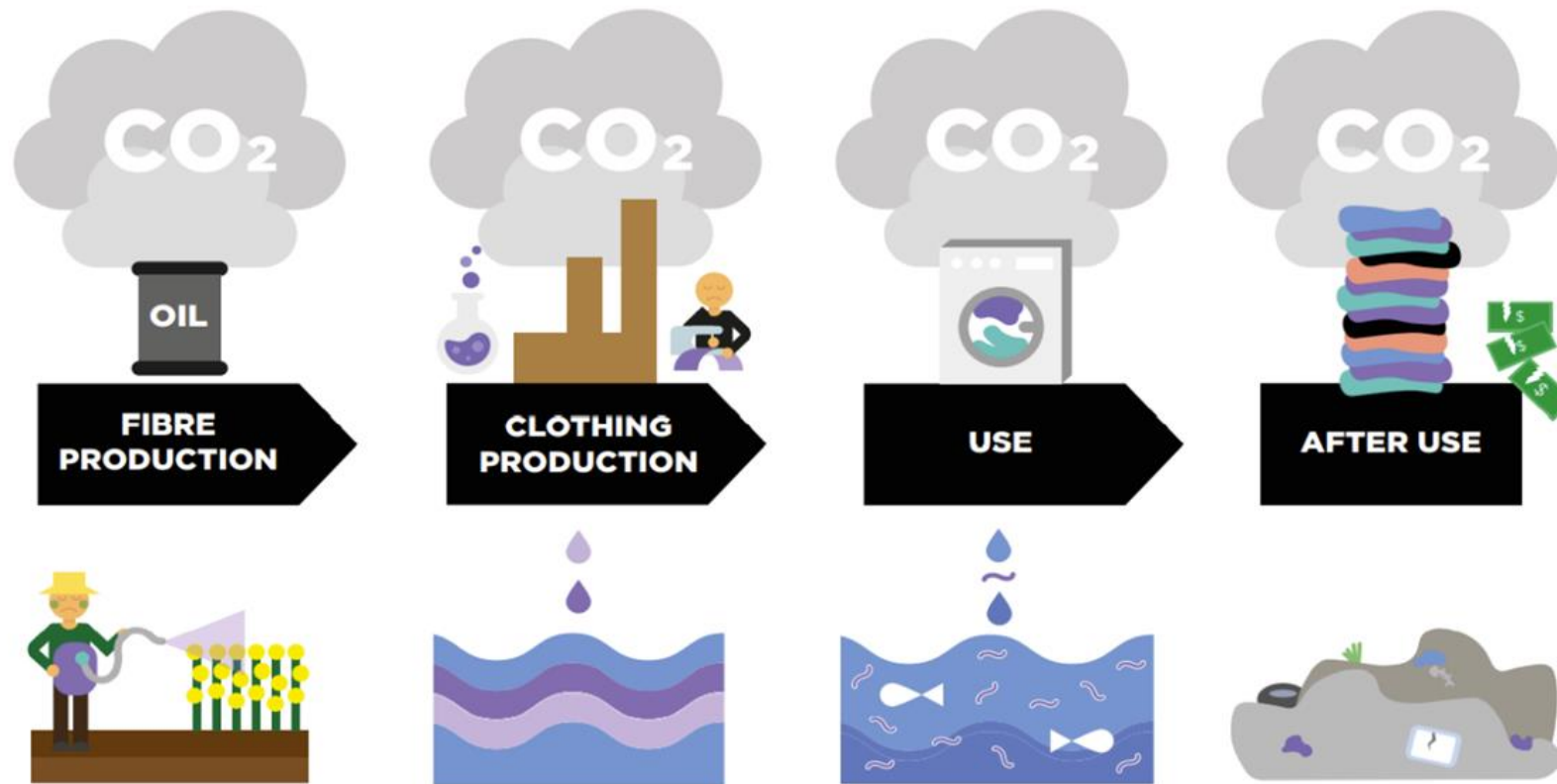
It is claimed that more than 100 billion pieces of new garments are produced annually. There are claims that a fast fashion consumer wears a piece of garment for less than 10 times and ownership not exceeding less than 12 months before disposal.

**We need to divert
textile wastes away
from landfills!**

More than 150 landfills in Malaysia are now closed due to overflow of solid wastes.

Textile & Fast Fashion Data

FIGURE 2: TODAY'S CLOTHING SYSTEM PUTS PRESSURE ON RESOURCES, POLLUTES THE ENVIRONMENT, AND CREATES NEGATIVE SOCIETAL IMPACTS



What is Kloth Cares Fabric Recycling Movement (KCFRM)?

An environmental, economic and social impact brand that is committed to catalyse the textile and clothing circular economy.



We establish and develop value chains and movements where multi stakeholders join hands to divert waste from the landfills and in turn, waste are recycled into new products and resources with higher material value and purpose.

Dedicated to raise awareness, provide recycling facilities such as fabric bins, manage effective waste collection, gather data and recycle unwanted items.

Inspired by:



Founding partners:



Strategic partner:



SWCorp is a government agency under Ministry of Housing and Local Government



Y.A.M Tengku Zatashah (Board of Trustees, Selangor Youth Community)



Kloth Cares, Seangor Youth Community, Life Line Clothing & SWCorp



How Can You #JoinTheMovement & Keep Fabric Out of Landfills?



Adopt a Kloth Cares fabric bin, donate and encourage others to donate too

Find Kloth Cares bins and donate unwanted fabrics

Be part of Kloth Cares Community

KCFRM Achievements



Fabric Recycling
Movement

Since 18.8.18

In 39 months we have collected over

1,950,000 KG!

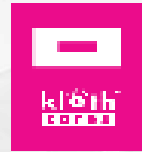
Equivalent to

11.7 million

pieces of t-shirts

> 350

Bins Installed



Across **6 States/ Federal Territories**



Selangor



Negeri Sembilan



Putrajaya



Kuala Lumpur



Melaka



Johor

> 400

Fabric Recycling
Sustainable Network
Partners!

KLOTH CARES FABRIC RECYCLING MOVEMENT

Inspired by



Founding Partners



Supported by



**KEEP FABRICS
OUT OF
LANDFILLS**



**SAY#ICARE
#2MILLION2SAVE**

**JOIN THE MOVEMENT
AND LET'S DIVERT**

**2,000,000KG
OF UNWANTED FABRICS
AWAY FROM LANDFILLS**



ask@kloth.com.my

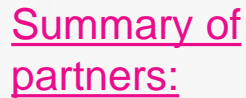


www.kloth.com.my



klothlifestyle

KCFRM Sustainable Network Partners



- Corporate citizens: 40%
- Industry players/retailers: 30%
- Academic institutions: 20%
- Government/agencies: 5%
- Others: 5%



What Can You Donate Into Kloth Cares Bins

What Can You Donate Into Kloth Cares Bins?



Garments

Including bras and underwear



Clothing accessories

Scarves, belts, socks/stockings, gloves, caps/hats/headbands, costume jewellery



Footwear/shoes



Bags

Backpacks/school bags, purses, handbags, travel bags



Household textiles

Curtains, towels, blankets, comforters, rugs, rags, table cloths, pillows, bedsheets and pillow covers



Children's toys

Plush and plastic toys, children's sports equipments



Fabric remnants

More than 1 metre length

* Old or new, wear and tear items, we welcome your donations. The items can be deposited loosely, in a bag, or tied together.

Inspired by:



Founding partners:



Strategic partner:



ask@kloth.com.my



klothlifestyle



www.kloth.com.my

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Giving New Life to Unwanted Fabrics



Fabrics are sorted into categories

Fabrics are graded into Grade A & B (Wearable/ good condition or unwearable)



Buttons & zippers are removed from unwearable fabrics to be repurposed

Water absorbent but unwearable fabrics are used as industrial wiping cloths



Recycling Process Flow of Textiles and Clothing



Good / Wearable Condition

Grade A Donated To Charitable Organizations
Exported To Developing Countries

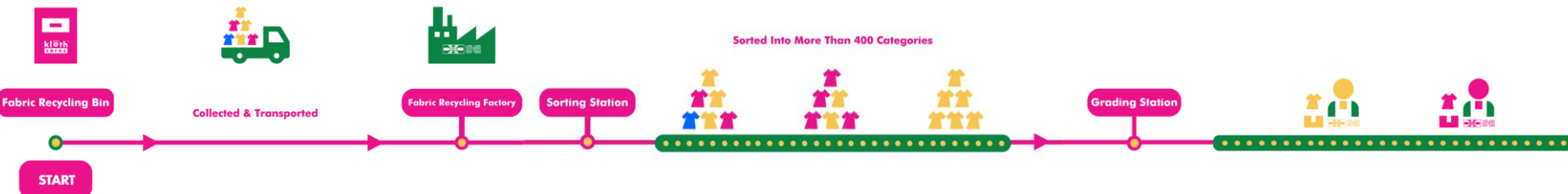
END



Moderate / Unwearable Condition

Grade B Industrial Wiping Cloths
Fiber Reclamation
Refashion / Upcycle Garments

END



**Where
it all happens**



**LIFE LINE
CLOTHING
MALAYSIA
SDN BHD**



**Dale Warren, CEO,
Life Line Clothing
Malaysia**



LLCM is ISO 14001 certified
(Environmental Management
System)



Fibre reclamation



Donations

We take fabric recycling to the next level."

Photos by Adelyn Ghwee



Industrial wiping cloths



Refashion / Upcycle fashion
(Good to use fabrics are made into Woman Up products)



Woman Up by Kloth Cares



Rising with #SHEconomy

Committed to improve the livelihoods of women especially from the impoverished, struggling and vulnerable communities through job opportunities. Leaving no one behind, we uphold our core values and are driven to include women into the formal or informal sectors, including physically impaired and with health challenges. Woman Up is also passionate to raise the standards of living, mental wellbeing and mojo amongst the youths and senior citizens.



A total of 20 women
as beneficiaries



> 16,000 pcs
of face masks



3,500 pcs of
upcycled
Raya
pouches



30 pcs of denim
frayed pouches

July 2020 (Launched) – October 2021 (Now)

Payment made to Woman Up ladies (B40 household):

> RM 90,000

Payment made (and allocated) to other NGOs:

RM 15,000

Total products produced: > 19,000 pcs



17 pcs of multi
pocket organisers



30 pcs of denim
cable holders

What's Next for Kloth?

**klothTM
cares**
Fabric Recycling
Movement
Since 18.8.18

Collecting
2,000,000 KG
in 1 year

KLOTH CARES FABRIC RECYCLING MOVEMENT

Inspired by **kloth cares** Founding Partners **SAY** **RECYCLE** **REUSE** **REDUCE** Supported by **SWCorp**

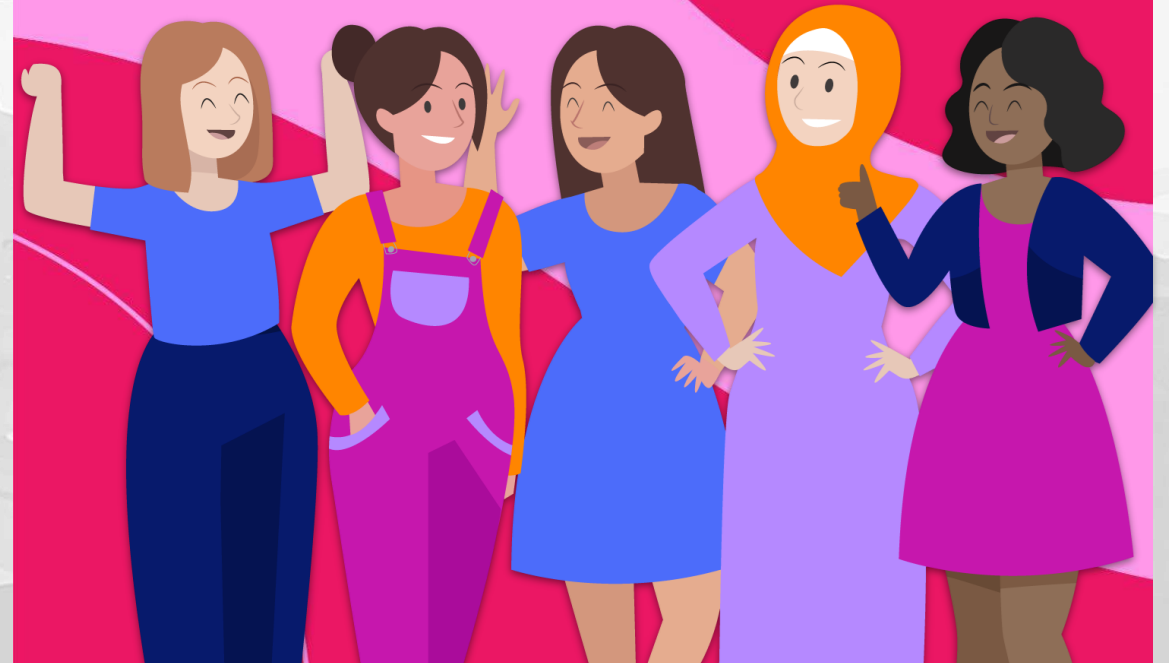
KEEP FABRICS OUT OF LANDFILLS

#SAYCARE #2MILLIONZSAVE

JOIN THE MOVEMENT AND LET'S DIVERT 2,000,000KG OF UNWANTED FABRICS AWAY FROM LANDFILLS

ask@kloth.com.my www.kloth.com.my klothlifestyle

Rising with #SHEconomy
Generating RM300k income for
Woman Up Community in 1 year



What is Kloth Lifestyle?



An environmental, economic and social impact brand that is committed to catalyse the plastics circular economy. Our approach in addressing plastic waste is through the establishment and developments of value chains and movements where multi stakeholders join hands to divert waste from the landfills as well as oceans and in turn, waste are recycled into new products and resources with higher material value and purpose.



Let's keep plastic bottles out of landfills and oceans!

kloth lifestyle | Textiles Made from Recycled Plastic Bottles

Clients & Partners

kloth kloth
textile wear

A grid of logos for clients and partners, including Nestle, TudungPeople, Shell, Shell Cylinders, EcoWorld, Coca-Cola, AVEVA, HATTA DOIMAT, GreenTech, and Shell Darby Property. Each logo is accompanied by a small image of a product made from recycled plastic bottles, such as a t-shirt, a bag, or a hat.

Certified by: Global Recycled Standard

Let's keep plastic bottles out of landfills and oceans!

KLOTH LIFESTYLE VALUE PROPOSITION: Catalysing Circularity for E.S.G in Malaysia & S.E.A

kloth
circular
Plastic Recycling
Movement

CRUSH-IT
by **kloth** lifestyle

kloth
lifestyle

kloth
textile

kloth
wear

Establishment
of Kloth Circular
Plastic
Recycling
Movement
(KCPRM)

Collection of
plastic bottles;
Plastic recycling
bin & machine
adoption, plastic
buyback

Conversion of
plastic bottles
into flakes

Bottle to
bottle OR textile
& other products
made from
recycled plastic
bottles

Enhancing Plastic Bottles Collection



CRUSH-IT REVERSE VENDING MACHINE

Machine weight: 400kg

Capacity: 7kg PET bottles and 9kg aluminium cans

Dimension: 1000mm (L) x 1000mm (W) x 1900mm (H)

LCD Display:

- i) Advertising panel (left): 19"
- ii) Instruction panel (right): 16"

Types of waste collected:

- PET plastic bottles & aluminium cans

CRUSH-IT RECYCLING BIN

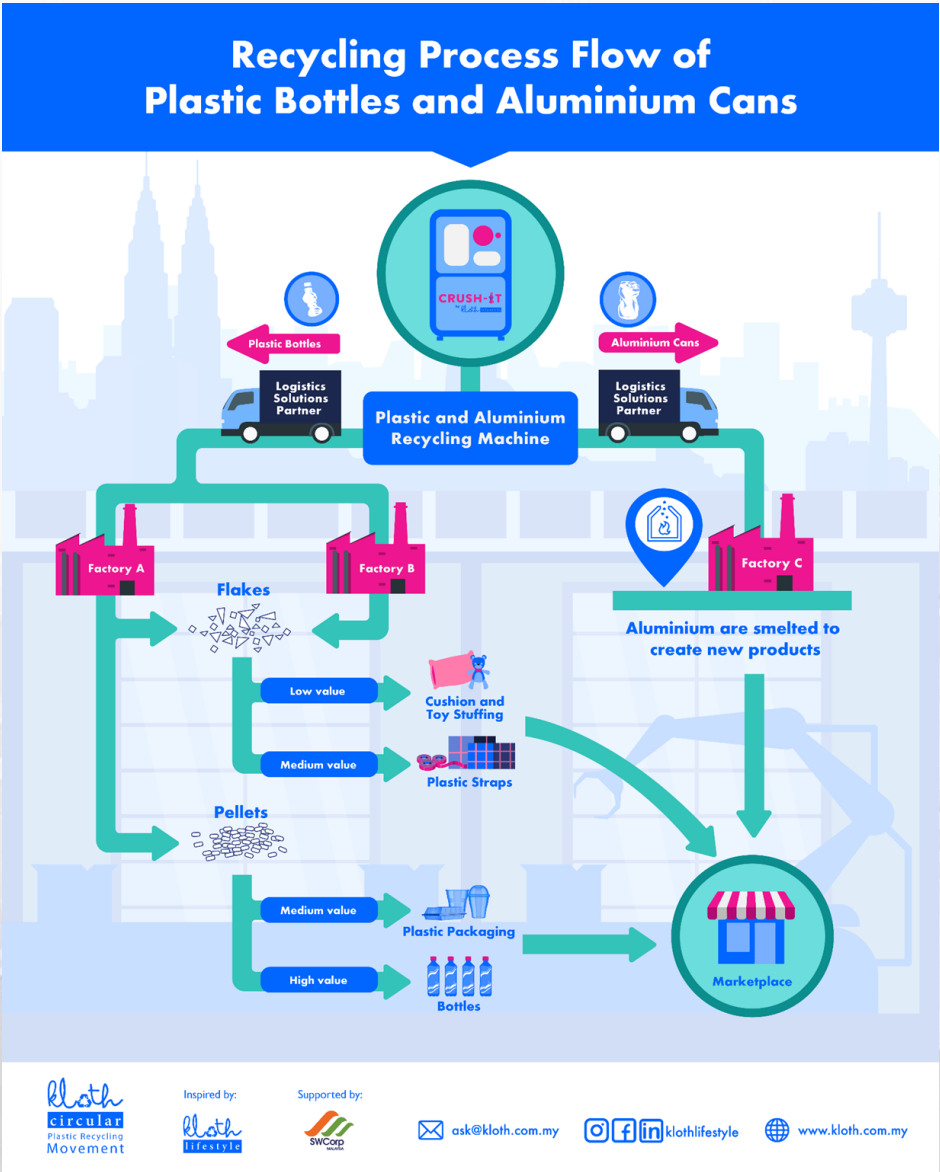
Bin weight: Approx 15kg

Capacity: 3kg pressed PET bottles

Dimension: 500mm (L) x 500mm (W) x 1200mm (H)



How Plastic Bottles Are Recycled



Weekly scheduled collection at site performed by Kloth logistic partners. Collected plastics will be sent to licensed scrapyard owners/recyclers to be recycled into new products.



Plastic straps



Plastic bottles



Garments



Polyester stuffing



Our brands, Sustainably Made

Sourcing, marketing and distributing high quality fabric made from recycled plastic bottles (rPET), organic cotton and other sustainable materials.



Designing, sewing and marketing wearable products including garments, clothing accessories, bags, promotional merchandise & household items. Produced from high quality recycled and sustainable materials sourced by Kloth Textile.





Clients & Partners

More than

150,000

post-consumer PET bottles are saved from going into the landfills and oceans.



Good food, Good life



HATTA DOIMAT



TUDUNGPEOPLE

AVEVA



Education Components

Know Your Plastic Bottles



Plastic drinking bottles or **polyethylene terephthalate (PET)** bottles were developed by Nathaniel Wyeth in 1973



Plastic bottles became popular due to its **functionality, durability and cost effectiveness**



Plastics production has surged over the past 50 years, from **15 million tonnes** in 1964 to **311 million tonnes** in 2014



Every minute, **1 million** plastic bottles are sold across the world



PET

Plastic bottles are a **thermoplastic material** which can be **melted and hardened repeatedly**



It takes **2,000 times** more energy to manufacture a bottle of water than tap water



The production of bottled water uses **17 million** barrels of oil a year, which is slightly more than the annual fuel use of **1 million cars**

Clear plastics have the highest material value compared to coloured plastics

References: How the plastic bottle went from miracle container to hated garbage. National Geographic. (2018). The Many Challenges of Plastic Recycling. Sustainable Brands. (2015). Integrity of Science: Bottled Water and Energy Factsheet. Getting to 27 Million Barrels. The Plastic Institute. (2007). Single-Use Plastics: A Roadmap for Sustainability. United Nations Environment Programme. (2018). The New Plastics Economy: Rethinking the future of plastics. World Economic Forum. (2016).



Dangers of Plastic Pollution

THE WASTE SITUATION

Among the plastic packaging that is disposed globally, **72% is not recycled** at all:



40% is landfilled

32% is illegally dumped



Each Malaysian generates **1.17 kg** of waste daily



24.9% of waste in Malaysian landfills are plastic!



The global average for plastic recycling is only between **14 - 18%**

THE CRISIS



At least **8 million tonnes** of plastics leak into the ocean each year

That's the equivalent of throwing **(one)** garbage truck's worth of garbage into the ocean every minute

If no action is taken, this is expected to increase to

2030 & **2050**

Plastic packaging represents the major share of this leakage

Biodegradation of plastic bottles is estimated to take **450 years**

THE EFFECTS

In 2012, total plastic emissions (not just packaging) totalled around **390 million tonnes of CO2**

CO2 is a contributor to global warming which harms people and the planet

There will be more plastic than fish (by weight) in the ocean by 2050

Plastic is killing more than **1.1 million** seabirds and animals every year

References: How the plastic bottle went from miracle container to hated garbage. National Geographic. (2018). Single-Use Plastics: A Roadmap for Sustainability. United Nations Environment Programme. (2018). Most collected types of marine waste in Malaysia in 2019. Shellfish. (2021). Kompendium perikanan via populasi. SAK. (2018). The New Plastics Economy: Rethinking the future of plastics. World Economic Forum. (2016). Factsheet: Marine pollution. The United Nations Ocean Conference. (2017).



EVERY YEAR
1.1 MILLION
SEABIRDS AND ANIMALS ARE
DYING
DUE TO PLASTIC POLLUTION

Reference: Factsheet: Marine pollution, The United Nations Ocean Conference. (2017).



Every minute,
1 MILLION
PLASTIC
BOTTLES
are sold across
the world

Reference: Single-Use Plastics: A Roadmap for Sustainability, United Nations Environment Programme. (2018).





Let's keep fabric and plastic out of landfills and oceans!

THANK YOU



Contact us:

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