



ASEAN
DATA SCIENCE
EXPLORERS



BUILDING SUSTAINABLE FOOD WASTE MANAGEMENT IN ASEAN

"Innovating a food waste management system while building sustainable economic growth"

8 DECENT WORK AND
ECONOMIC GROWTH



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



KCBisFlre Team's
Kurniaman Andreas Zega
Johanes Rendy Wichaksono

Food wasted by the tons while millions of Filipinos go hungry

Wena Cos, ABS-CBN News

Posted at Oct 04 2022 04:28 PM | Updated as of Oct 05 2022 10:11 AM



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April 21, 2020 2:11 PM

Khan Sokummono

Tum Malis

Food waste during Ramadan increasing every year, says deputy minister

An increase of up to 21% has been recorded over the past five years.

Bernama | April 10, 2023 12:34 PM | 1 minute read

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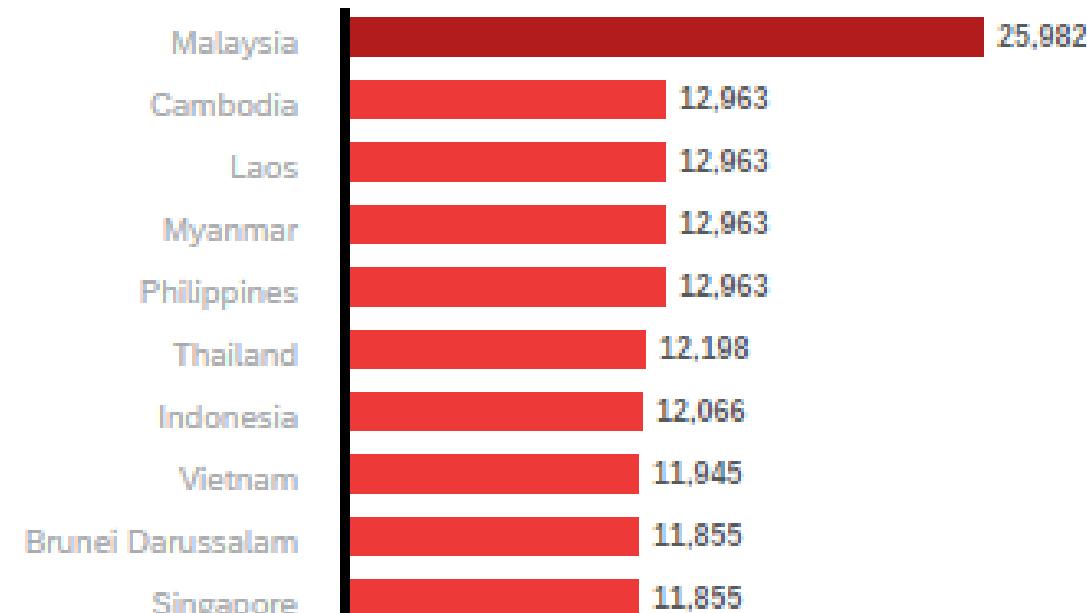
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Solving Cambodia's Plastic Problem Seen as Key to Minimizing Waste

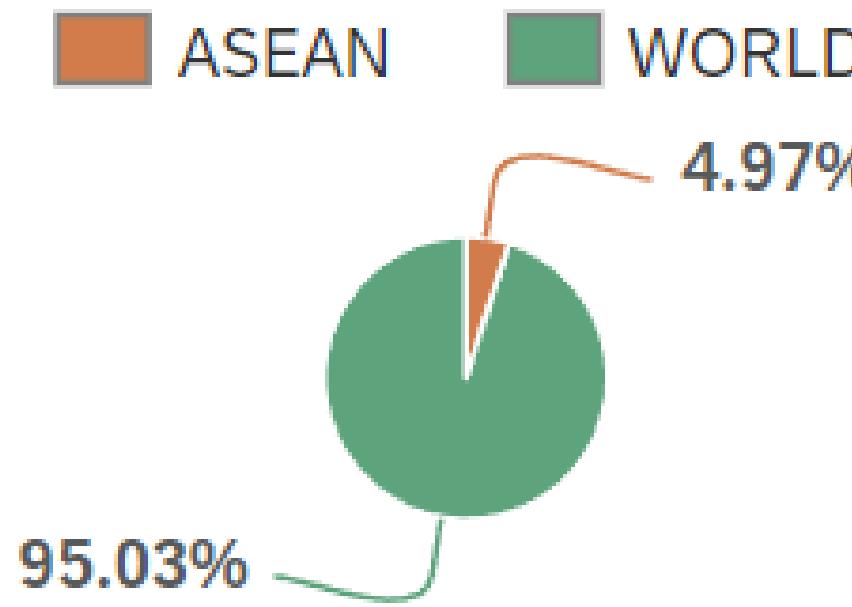


WHAT ABOUT FOOD WASTE IN ASEAN?



2019 Food Waste Level

Source : [ourworldindata](#)



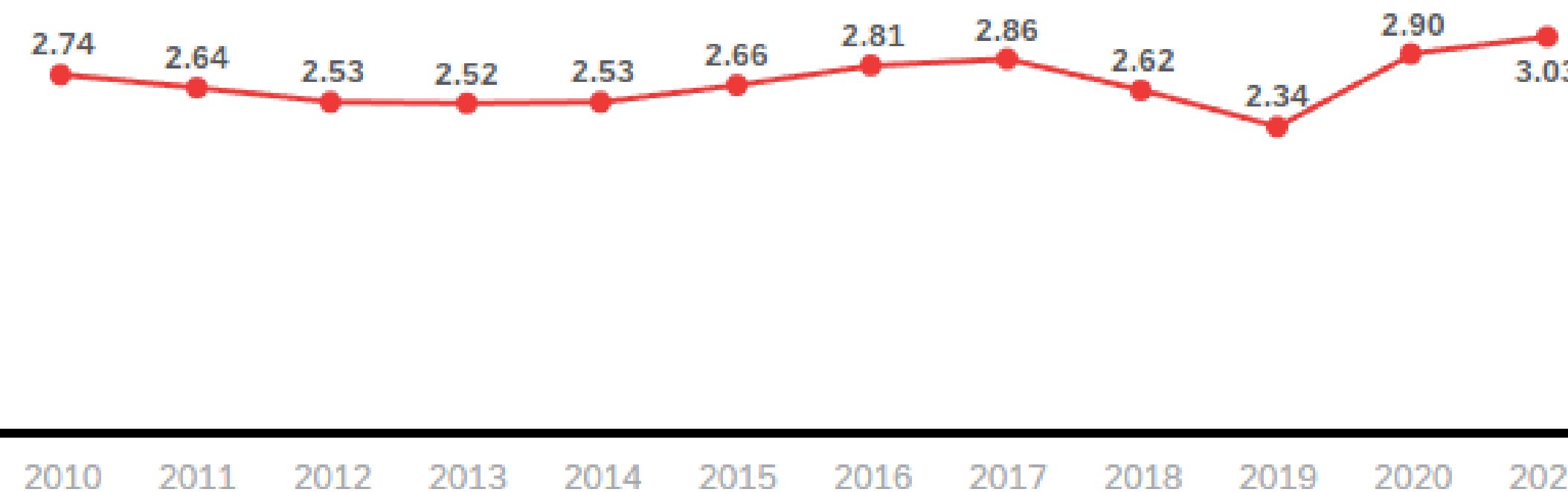
Waste Rate per Category

Source : [ourworldindata](#)

From 931 million tonnes of food waste worldwide, ASEAN contributes 5% of the world's waste. For the ASEAN scale, the highest contributor is Malaysia

Strengthen Competitiveness

Unemployment Rate Asean Country per Year



Source : [databank.worldbank](https://databank.worldbank.org)

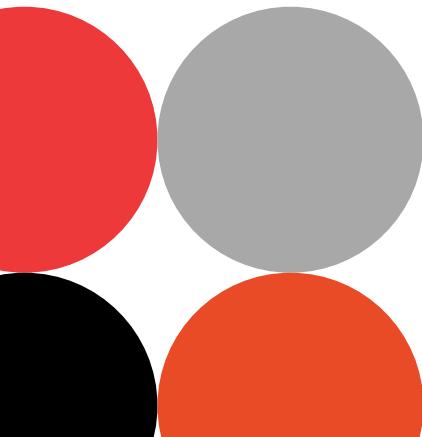
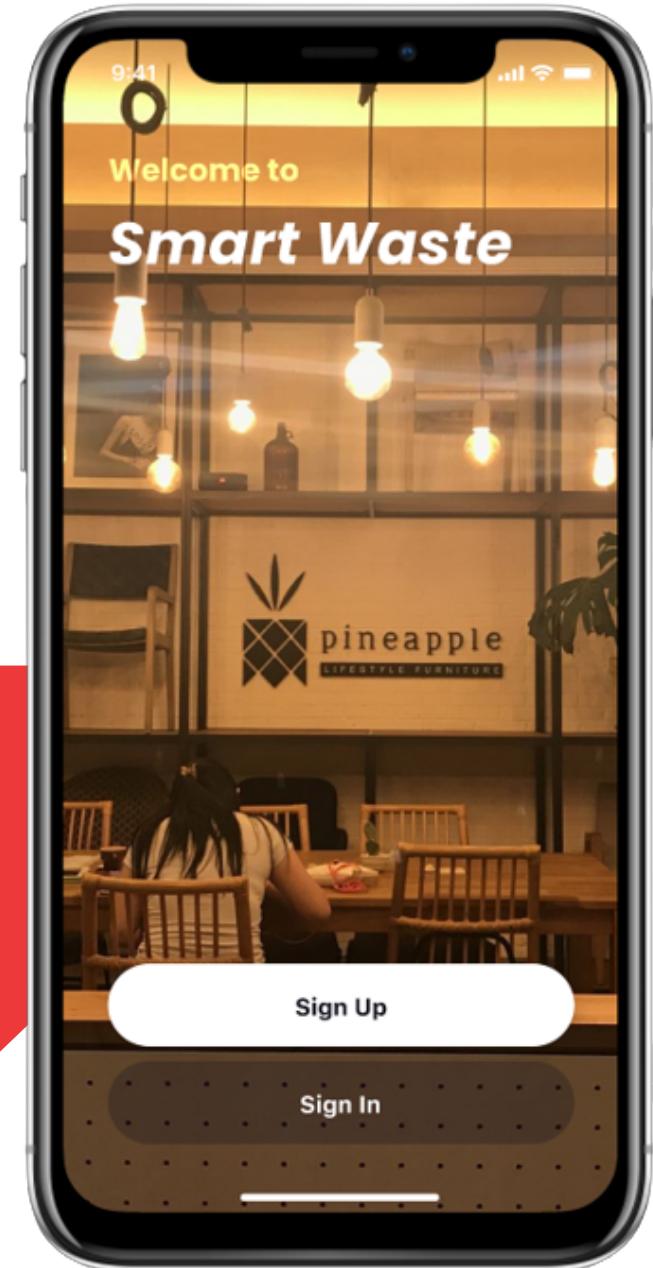
If we look back, ASEAN's unemployment rating tends to be **stagnant** year to year

So, How can we **reduce our waste** while building an inclusive and sustainable economic growth, employment and decent work for all?

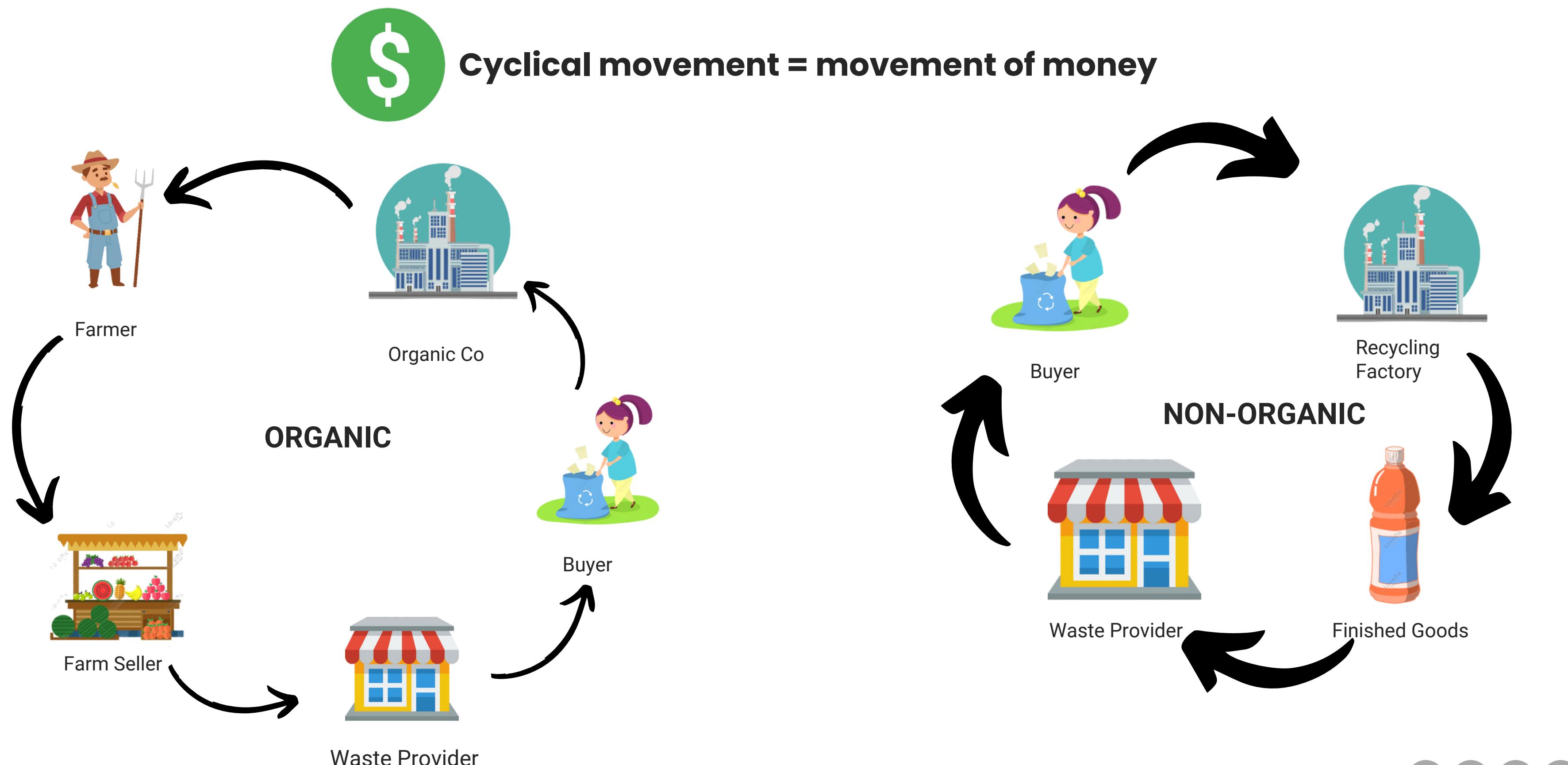
INTRODUCTION

SMART WASTE

Platform that allows you to turn your organic or inorganic waste into money



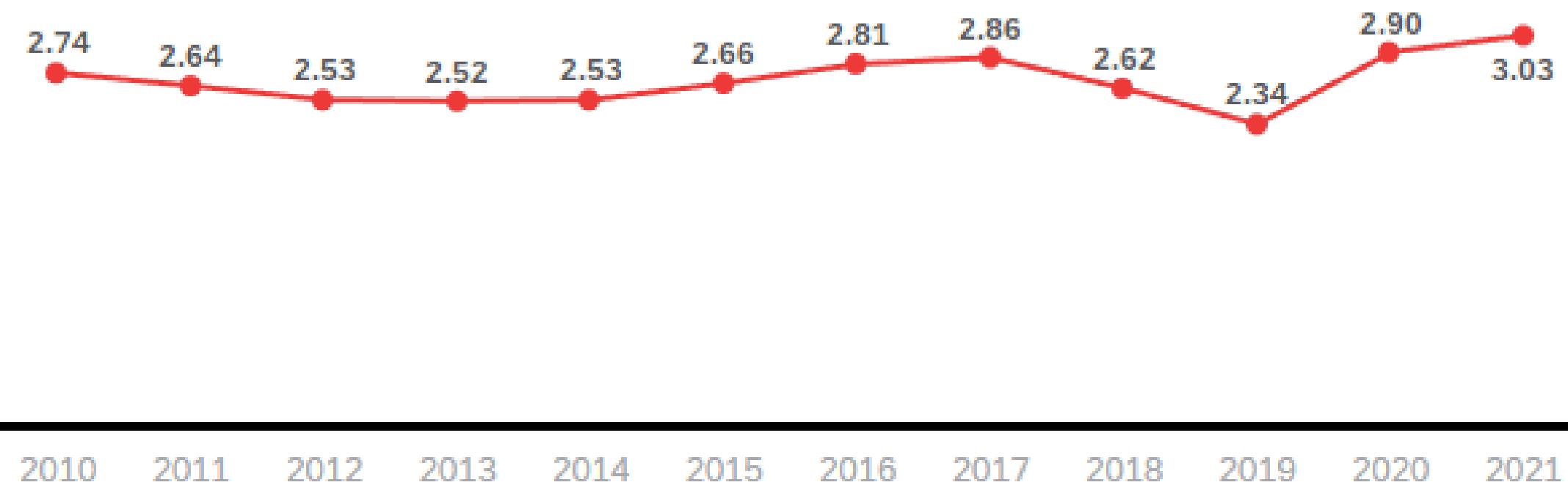
BUSINESS LINE



Goals



Unemployment Rate Asean Country per Year



With **smart waste**, we hope to **help reduce** the unemployment rate with the **various advantages** we have

OUR FEATURES

1 Waste Selling

Our Application allows sellers to enter detailed information about the type of waste they have(organic or inorganic), weight, price, photo, and description.

After Completing the Transaction, sellers will receive points that can be redeemed for agricultural product at Smart Waste Shop. Each point has an equivalent value of 100 grams wastes.

In every transaction, buyer has to pay 5% for third party fees

Category
Inorganic

Type
Plastic Bottle

Buyer
Smart Waste - Keputih

Weight
500 Gram

Estimated Price
2000 SW Cash

Points Earning
20 POINTS

Waste Picture


Description
0/500

SELL

OUR FEATURES

2 Auto Matching

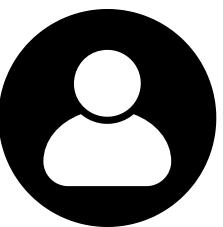
Our application will automatically match waste seller with most suitable buyer based on the detailed information and location. This feature speed up the transaction process.



OUR FEATURES

3 Chat

After waste seller match with buyer, they able to start some chats with buyer



Hey, can I sell my plastic bottles to you?

Sure! let me buy it!



OUR FEATURES

4 Smart Waste Shop

You can see on the podium how much each person's total income is for sellers and how many total purchases are for buyers. We hope that each user will be more enthusiastic about sending waste



POINTS



CROP YIELD

THE IMPACT

Our Idea's

Opportunities for opening smart waste startups & open up new job opportunities

Farmer

Increased demand for agricultural products = increase income

Fertilizer Factory

High demand for agricultural products high land = high demand for fertilizer

Recycling Factory

Increased inorganic raw materials = more recycled products

User App

Earn additional income from the sale of waste

Why do we start ?

668.61 million people of ASEAN. The key is collaboration

THANK YOU!

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