E-WASTE MANAGEMENT IN ASEAN: A COMPARATIVE ANALYSIS AND REVIEW

Team 1

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AGENDA

- 01 Introduction
- 02 Literature Review
- 03 Research Method & Methodology
- **04** Policy Analysis
- **05** Policy Recommendation
- 06 Conclusion



Literature Review



Municipal Waste & E-

Waste Statistic (Unit: kg/person/day)

Brunei (1.4)
Malaysia (1.17)
Philippines (0.69)
<u>Timor Leste (0.79)</u>

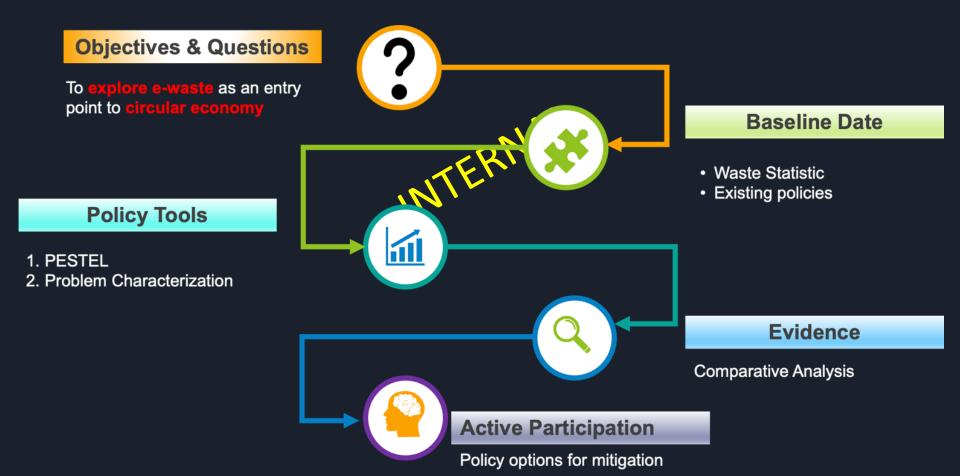
Objective

to explore e-waste as an entry point for circular economy in ASEAN

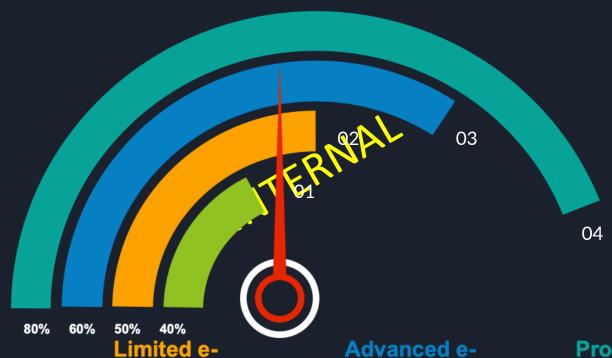
Questions

- 1. What is the Regional Outlook of e-waste management in ASEAN?
- 2. How existing policies of ewaste can be used as an entry point to circular economy?

Research Methodology & Method



Policy Analysis -Problem Characterization Analysis



03

No e-waste policy

- Brunei
- Timor-Leste

waste policy

- Government regulation
 & Act
- Relative government act & initiatives
- · Private sector policy

Advanced ewaste policy

- Government legally binding act
- A nation approach framework policy
- Mandatory Circular Economy policy

Proposed e-14 waste policy

- Community involvement
- Private Sector commitment (LCA)
- Voluntary initiatives

Policy Analysis





POLICY

The countries have the political will to engage in e-waste management through the established legal frameworks.

Management decentralizations



ECONOMY

Limited Facilities, no broad market, barriers in recycling, and economic feasibility is questionable



SOCIAL

There is a need to promote awareness and education outreach



TECHNOLOG

No technology to some available technology. Human resource is being a priority to increase the processing capability in respective nations.



ENVIRONMEN T

Exponential growth in Ewaste generation, simultaneous with technological improvements



LEGAL

All four (4) countries have Legal instruments established. Though, the enforcement needs to be enhanced

Policy Recommendations





Conclusion

REGIONAL OUTLOOK

E-Waste Categorization Mechanism

Soft Policy

E-Waste Management Phases

- Malaysia & Philippines
- · Brunei & Timor Leste

E-Waste Education At School & Community Centres

· Dedication & commitment

E-Waste Management Policy

ENTRY POINT TO CIRCULAR ECONOMY

Public Awareness Campaign

· NGO + Community + Private Sectors

Upscaling E-Waste Management

Soft Policy on the increase of human resources

Regional E-Waste Management

· -Collaborative efforts

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