

Implementability Analysis of the 3R Approach in Malaysia

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Introduction

- The Project research theme for Malaysia is “*Impact of 3R related policies on-going 3R activities in Malaysia: Theory and Practice*” with the aim of conducting policy research on **reducing gaps** between 3R policies and actual practice.
- The Malaysian 3R Research Project will analyze possible developments or impacts of national level policy in response to specific challenges in relation to priority policy areas.

3R Approach

- The Malaysia 3R Research Project will be developed in 4 main stages :-
- Stage 1 : 3R Policy Review and Analysis
- Stage 2 : 3R Data Collection and Surveys
- Stage 3 : 3R Gap Analysis
- Stage 4 : 3R Policy Recommendations



3R Approach

- The Malaysia 3R Research Project is currently in **Stage 2** which involves **obtaining stakeholder feedback on the 3R policies and their implementation in Malaysia using interview, questionnaires and focus group discussions.**



3R Approach

- A 3R policy analysis questionnaire was developed with the following components to structure the 3R research and analysis :-
 1. General information on 3R stakeholders
 2. Stakeholder awareness on existing Malaysia 3R policies.
 3. Stakeholder perception on existing 3R situation.
 4. Stakeholder perception on 3R policies & legislation.
 5. Stakeholder perception on 3R on 3R awareness & information.
 6. Stakeholder perception on 3R infrastructure and facilities.
 7. Stakeholder perception on 3R on economic incentives & support.
 8. Stakeholder feedback on 3R benefits & key issues.



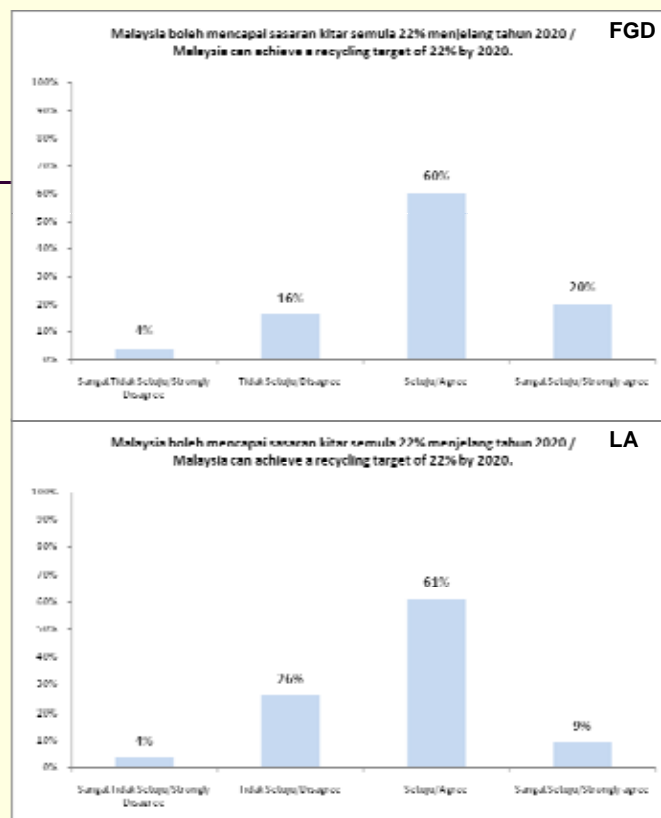
3R Approach

- A **3R Focus Group Discussion (FGD)** was held on the 15 of July 2010 at Hotel Singgahsana Petaling Jaya, Selangor Malaysia. A total of **25 participants from government agencies, local authorities, non-government organizations (NGOs) and private sector organizations** attended the 3R FGD.
- A **3R Questionnaire was administered to 107 local authorities (LA)** in Malaysia who was known to practice 3R activities within their jurisdiction. A total of 54 questionnaires was completed and returned to the 3R Project team.



3R Initial Findings-1

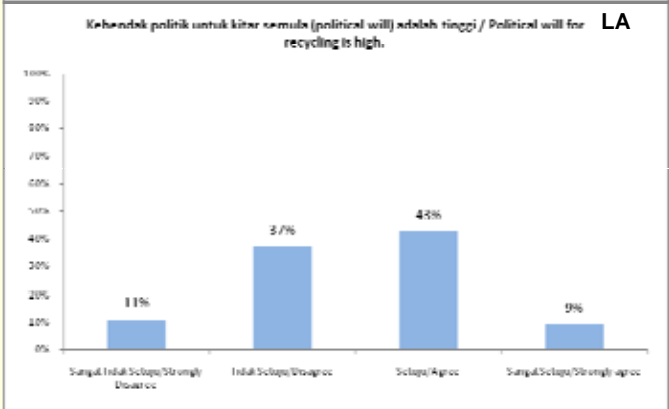
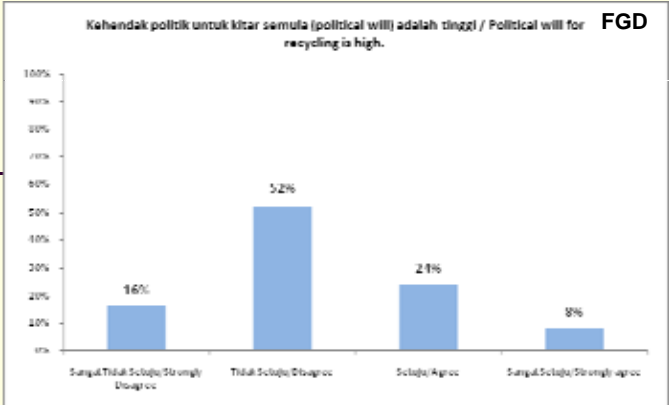
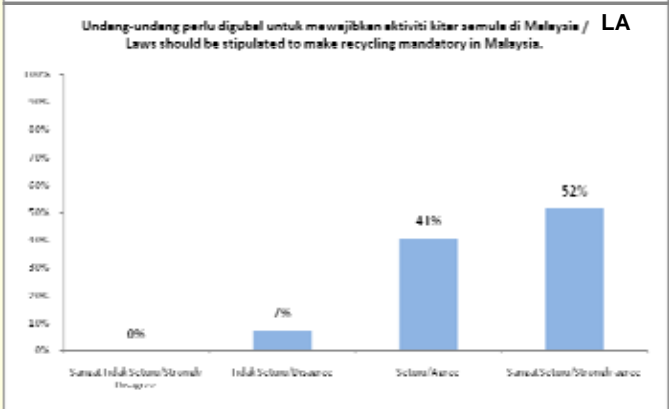
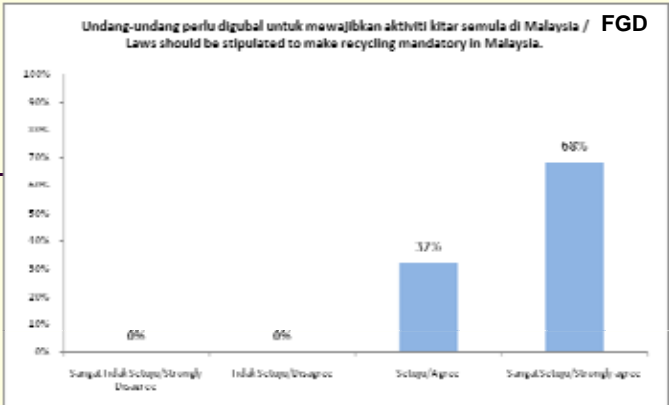
- 3R Existing Situation
- Stakeholder awareness on 3R policies in Malaysia was low to moderate awareness except for the Action Plan for a Beautiful & Clean Malaysia and the National Waste Minimization Study which was at low awareness.
- Stakeholder perception was that Malaysia can achieve a 22% recycling target by 2020 and the public is ready for solid waste source separation. However, the perception is also that recycling is inconvenient and that the existing recycling rate is not high.





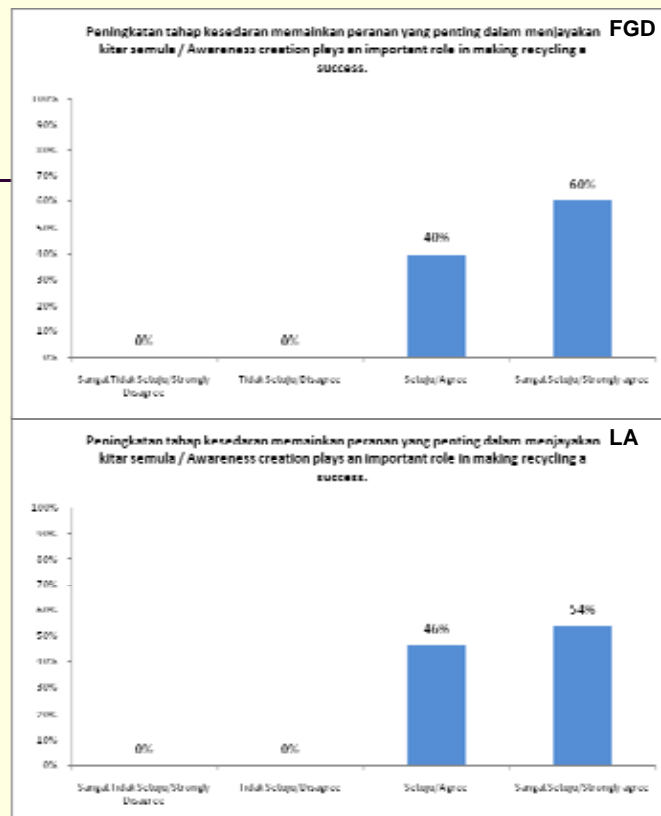
3R Initial Findings-2

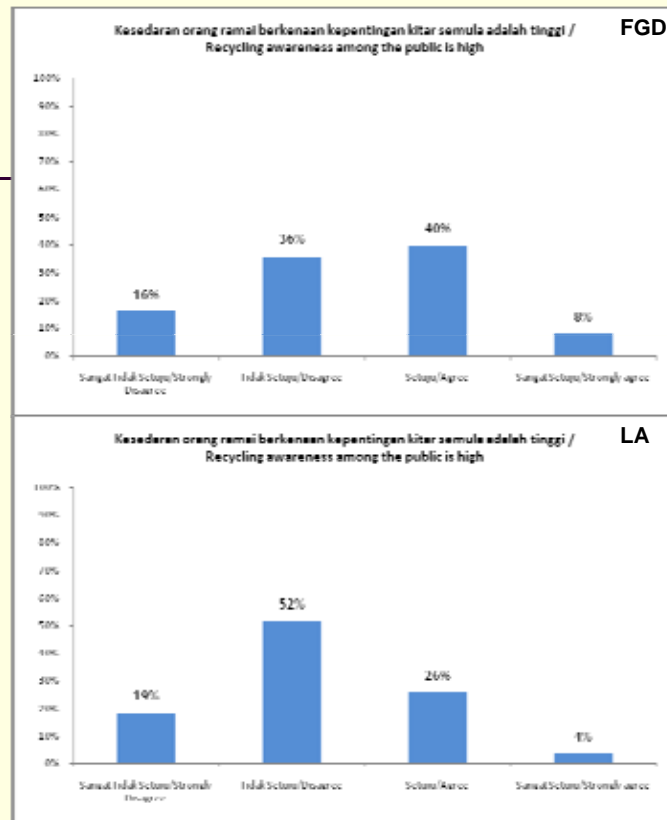
- 3R Policies & Legislation
- Stakeholder perception was that low consciousness for recycling was due to **a lack of government efforts**. Furthermore, the perception is that residents who refuse to recycle should be punished severely where laws should be stipulated to make recycling mandatory.
- **However stakeholder perception between FGD stakeholders and LA stakeholders differed for political will where FGD stakeholders perception disagreed that political will is high while LA stakeholders agreed political will is high**



3R Initial Findings-3

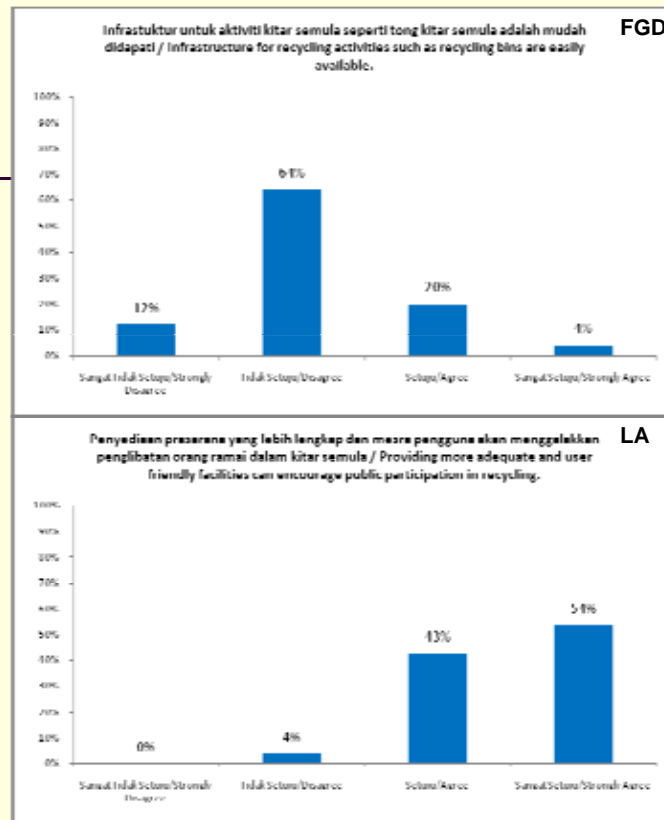
- 3R Awareness & Information
- Stakeholder perception was that people were aware of the **location of recycling facilities** in their area and that awareness creation, education and technical training for staff is important in making recycling a success.
- However, the perception is also **that recycling awareness** among the public is not high and low public concern is the cause for limited recycling.





3R Initial Findings-4

- 3R Infrastructure & Facilities
- Stakeholder perception was that **recycling information** is easily available and that sufficient and user friendly recycling facilities was important to make recycling a success.
- However, the perception was also that **recycling infrastructure** such as recycling bins was not easily available.

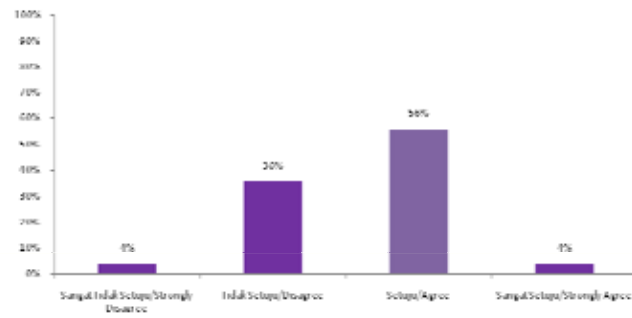


3R Initial Findings-5

- 3R Incentives & Support
- Stakeholder perception was that it was **appropriate to pay** for better recycling services and that social factors and cost criterion plays an important role in recycling.
- Stakeholders agreed that **recycling required incentives** and can be improved if government agencies used recycled products where the existing perception was that support from the Ministry for recycling is high.

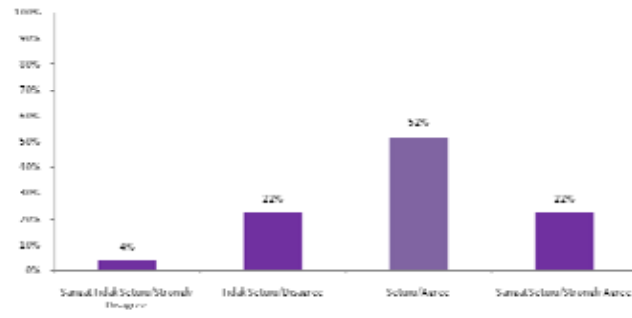
Adalah wajar untuk membayar untuk perkhidmatan kitar semula yang baik dan tidak bergantung pada peruntukan kerajaan sahaja / Its appropriate to pay for better recycling services instead of relying on government funding.

FGD



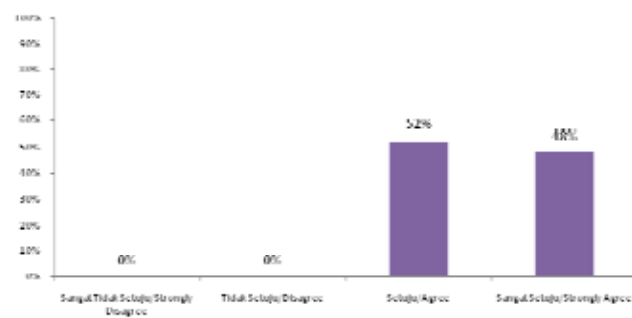
Adalah wajar untuk membayar untuk perkhidmatan kitar semula yang baik dan tidak bergantung pada peruntukan kerajaan sahaja / Its appropriate to pay for better recycling services instead of relying on government funding.

LA



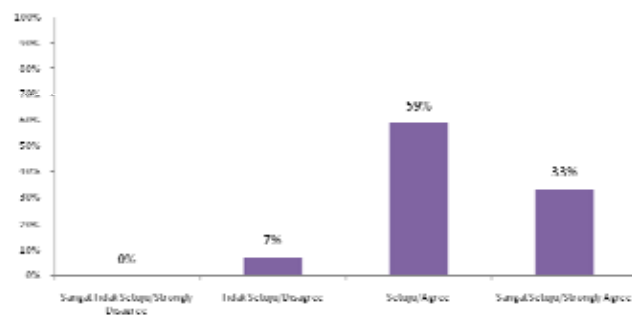
Kitar semula boleh dipertingkatkan sekiranya agensi-agensi kerajaan menggunakan bahan kitar semula / Recycling can be increased if government agencies were to use recycled products.

FGD



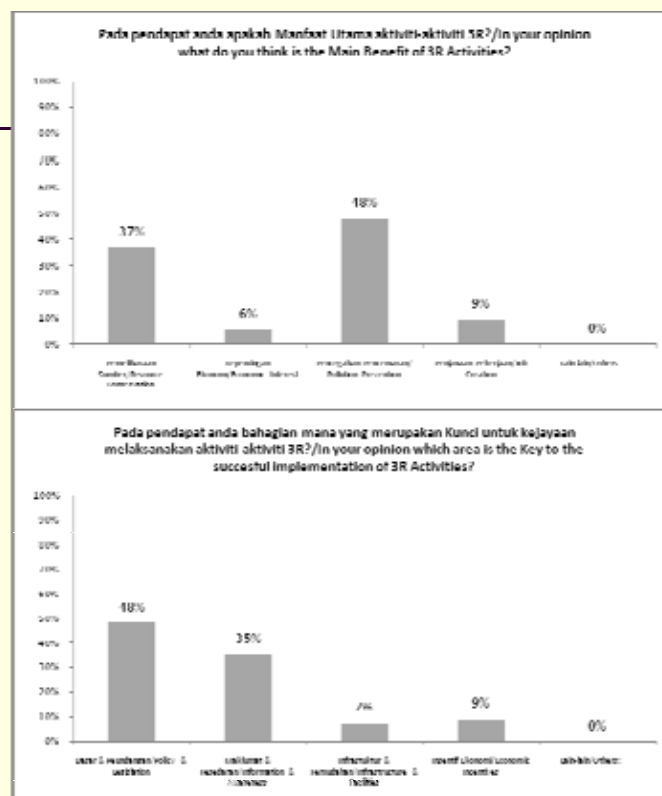
Kitar semula boleh dipertingkatkan sekiranya agensi-agensi kerajaan menggunakan bahan kitar semula / Recycling can be increased if government agencies were to use recycled products.

LA



3R Initial Findings-6

- 3R Benefits & Key Intervention Areas
- Stakeholder perception was that the main benefit of 3R activities is for **pollution prevention and resource conservation**
- Stakeholders perception was that the key area for the successful implementation of 3R activities is in 3R **policy/legislation** as well as 3R information and awareness.



3R Initial Discussions-1

- 3R Policy Framework
- The 3R policy framework in terms of the existence of documented 3R policies that set the framework for the implementation of the 3R policies via documented objectives, targets, strategies and programmes potentially **indicates a policy gap between policy formulation and its actual implementation.**
- There seems to be a **delay in the formalization** of these 3R policies via formal endorsements, declaration or enactment of these 3R policies, especially the enactment and enforcement of the SWM Act Regulations that is expected to set the framework for SWM as well as 3R activities in Malaysia.



3R Initial Discussions-2

- 3R Stakeholder Awareness
- The 3R stakeholder awareness in terms of the level of stakeholder awareness and perception of the 3R policies and activities in Malaysia potentially indicates **a policy gap in the level of awareness** of specific recycling/waste minimization related policies.
- The lack of 3R policy awareness may hinder the effective practice of 3R policies as stakeholders' ownership and engagement of 3R may be limited.



3R Initial Discussions-3

- 3R Stakeholder Willingness
- The 3R stakeholder willingness in terms of the level of stakeholder commitment on the implementation of 3R activities as well as stakeholders perception on the use of policy instruments such as 'carrot' and the 'stick' potentially indicates **policy opportunities for 3R legislation for recycling and source separation.**
- 3R **stakeholders seem willing to implement and support 3R** policies and strategies including willingness for source separation and the use of legislation and punishment to make recycling a success though the use of voluntary measures to promote recycling was also expressed.



3R Initial Discussions-4

- 3R Resources Availability
- The 3R resource availability in terms of stakeholders' feedback on availability of 3R resources such as 3R knowledge and facilities necessary for the effective practice of 3R policies potentially indicates a **policy gap in the availability of 3R facilities** to implement 3R practices but also potentially indicates policy opportunities in the area of 3R awareness, training and education.
- Stakeholders were of the opinion that 3R information is easily available but expressed that the existing recycling infrastructure are not easily available.



3R Initial Discussions-5

- 3R Support Availability
- The 3R support availability in terms of stakeholders' feedback on availability of 3R support from relevant parties/organization for the effective implementation of 3R policies potentially indicates a policy gap in 3R support from the industries and producers but also potentially indicates policy opportunities in government support of recycled products.
- Stakeholders perceived that the existing government funding or support from the industries/producers for 3R was not sufficient but 3R can be increased if the government had a purchasing policy on recycled products.



Conclusions

- Generally the 3R stakeholder feedback analysis indicate the following potential areas of 3R policy gaps and 3R policy strategy opportunities :-
- 3R policy gaps in the area of policy formulation and implementation possibly due to a lack of political will for 3R implementation.
- 3R policy gaps in the area of 3R stakeholder awareness of key 3R policies possibly due to a lack of stakeholder engagement and public participation in the policy formulation process.



Conclusions (cont'd)

- 3R policy opportunity in the area of legislation for mandatory 3R activities such as recycling and source separation.
- 3R policy gaps in the area of existing 3R funding from the government for 3R activities and support from the industries and producers.
- 3R policy opportunity in the area of the government's purchasing policy on recycled products.



3R Project Team

- Prof .Dr. P. Agamuthu (Project Leader)
- Dr. Santha Chenayah (Env. Economist)
- Dr. Fauziah Shahul Hamid (Solid Waste)
- Mr Dennis J Victor (Policy Analyst)



THANK YOU

