

MALE PERSPECTIVE ON THE USE OF RENEWABLE ENERGY:

A CASE STUDY ON BATANG LUPAR, SARAWAK

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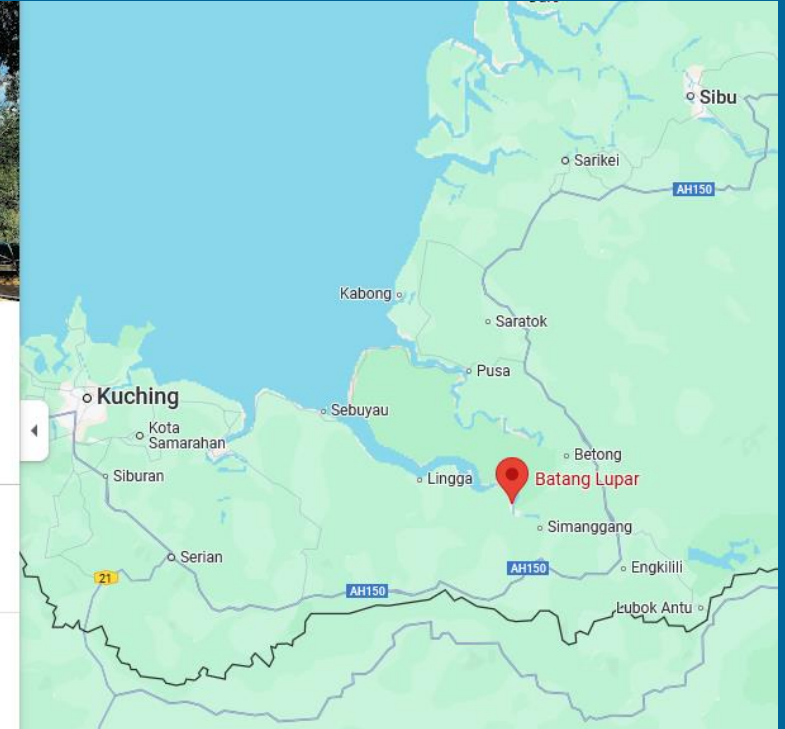
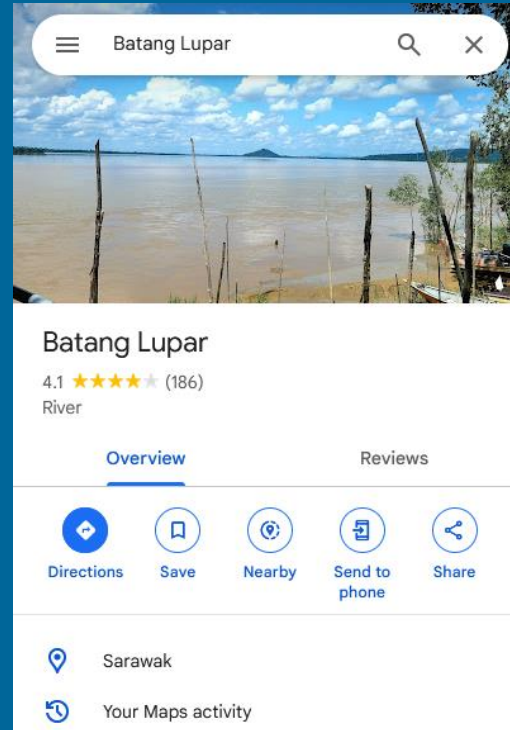
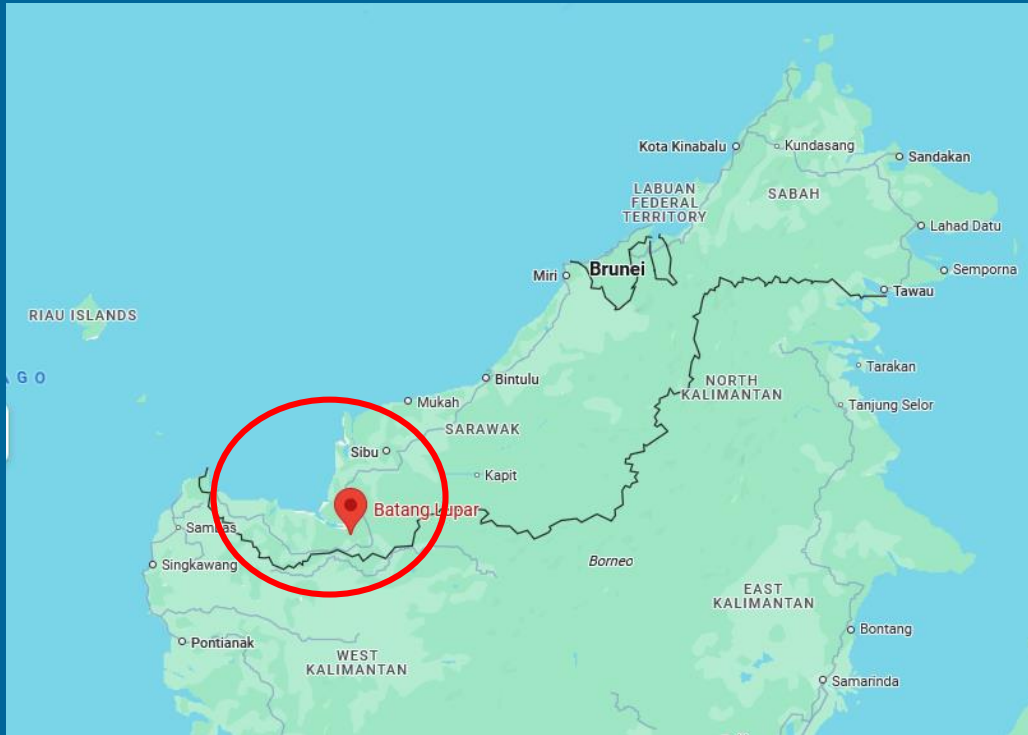
Centre for Disaster Risk Reduction, UTAR



- Global warming driven by fossil fuels.
- Malaysia's fossil reserves projected to be depleted (IEA, 2020).
- Renewable energy: solar, wind, hydro (Shinn, 2019).
- RE benefits: sustainable, low-emission, long-term.
- Male perception critical to community adoption.

- Malaysia targets 20% RE by 2025 (Choong, 2019).
- Current reliance: 5.8% RE in 2017 (Abotah & Daimn, 2017).
- Public involvement increases adoption (UN, 2023).
- Local leadership, especially male decision-makers, influence RE success.

- Low public awareness and limited RE adoption.
- Cost and lifestyle changes viewed as major barriers.
- Male stakeholders influence household energy decisions.
- Infrastructure gaps and energy shortages in Batang Lupar.



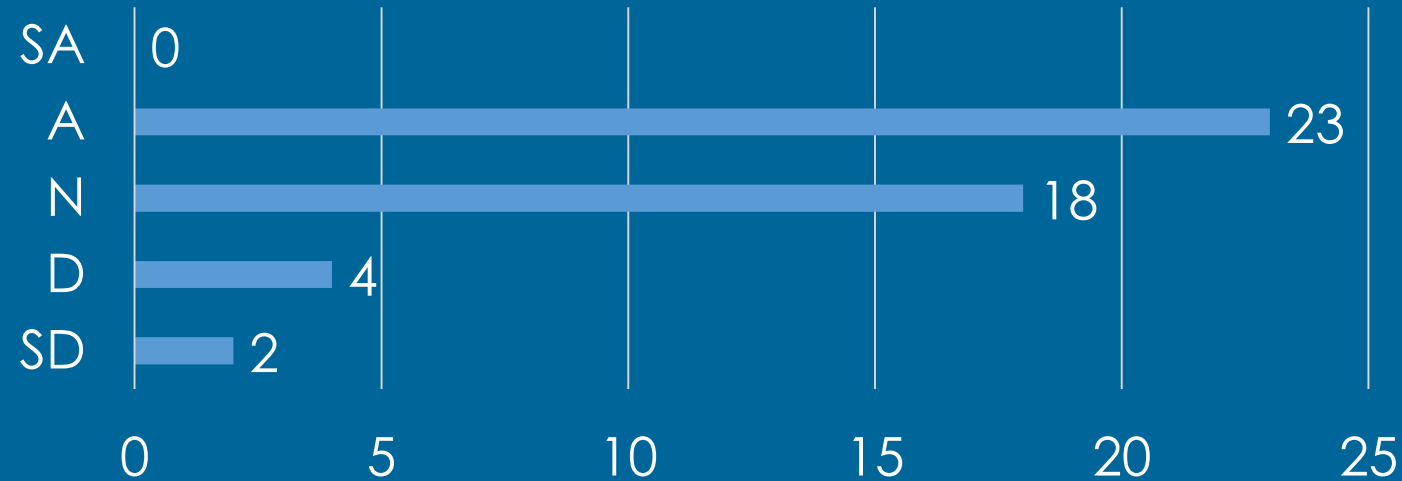
- Batang Lupar: Sarawak region, 43,072 population.
- Major river system with environmental threats.
- Deforestation contributes to emissions (WWF, 2021).

- Limited electricity infrastructure (Sarawak Energy, 2020).
- Community perception affects RE project success.
- Understanding public view is key to adoption (Asmara et al., 2022).

- Quantitative study: 50 male respondents.
- Location: Batang Lupar Estuary.
- Tool: Questionnaire with Likert scale (1–5).

- Analysis: Descriptive statistics using SPSS.
- Questions measured importance, cost, experience, lifestyle concern, and knowledge.

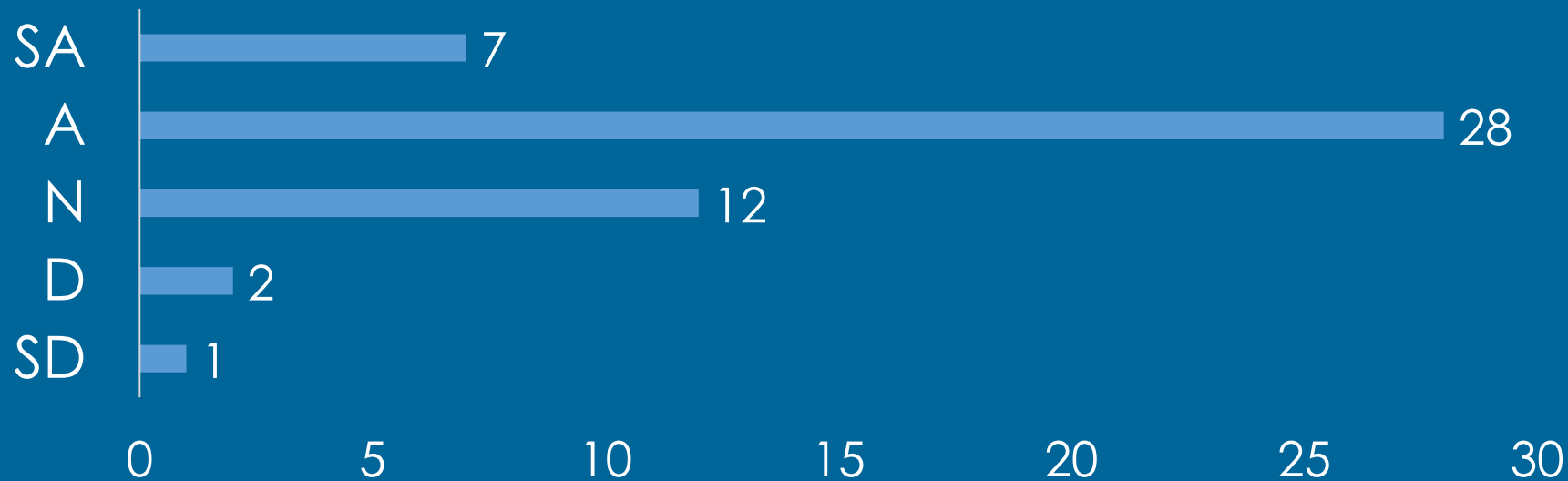
P1 - Perception on the important of RE implementation



Perception on the important of renewable enery implementation at Batang Lupar Estuary.

46% Agree; 36% Neutral; 8% Disagree.

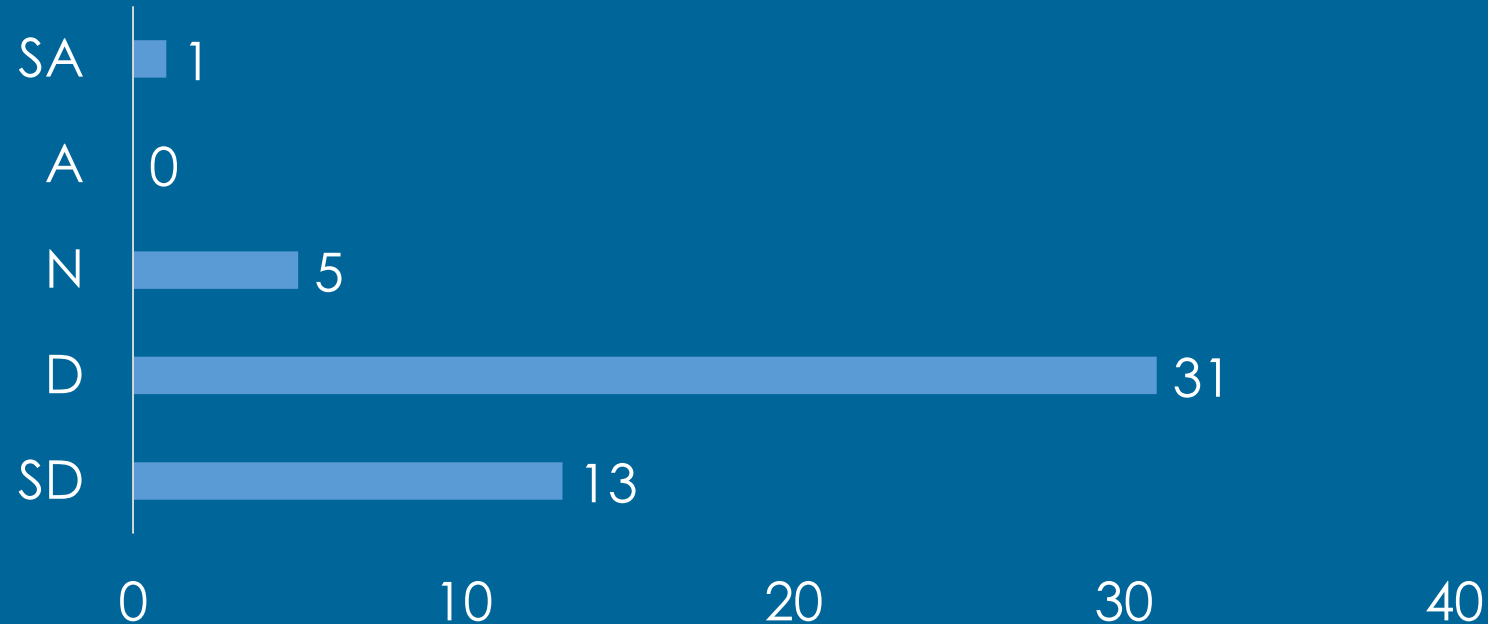
P2 - Cost of implementation for RE is high



Perception on the cost of renewable energy implementation at
Batang Lupar Estuary

56% Agree; 14% Strongly Agree; 24% Neutral.

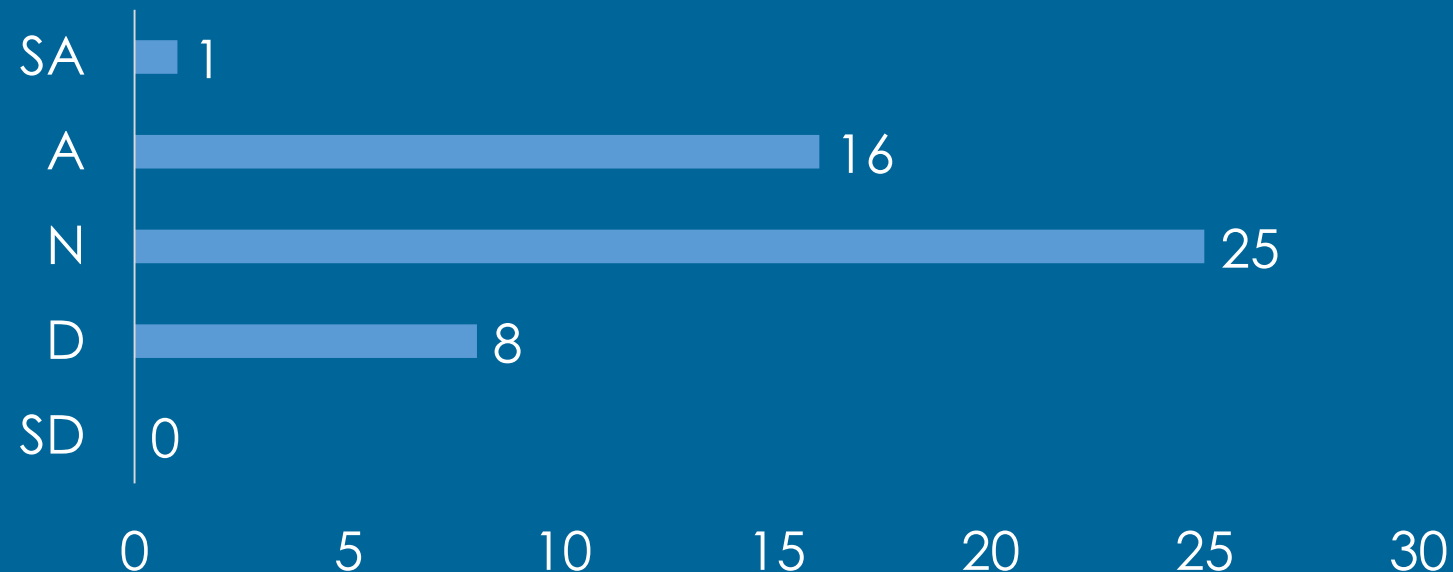
P3 - Has experienced of using RE



Experience using renewable energy at Batang Lupar Estuary

62% Disagree; 26% Strongly Disagree.

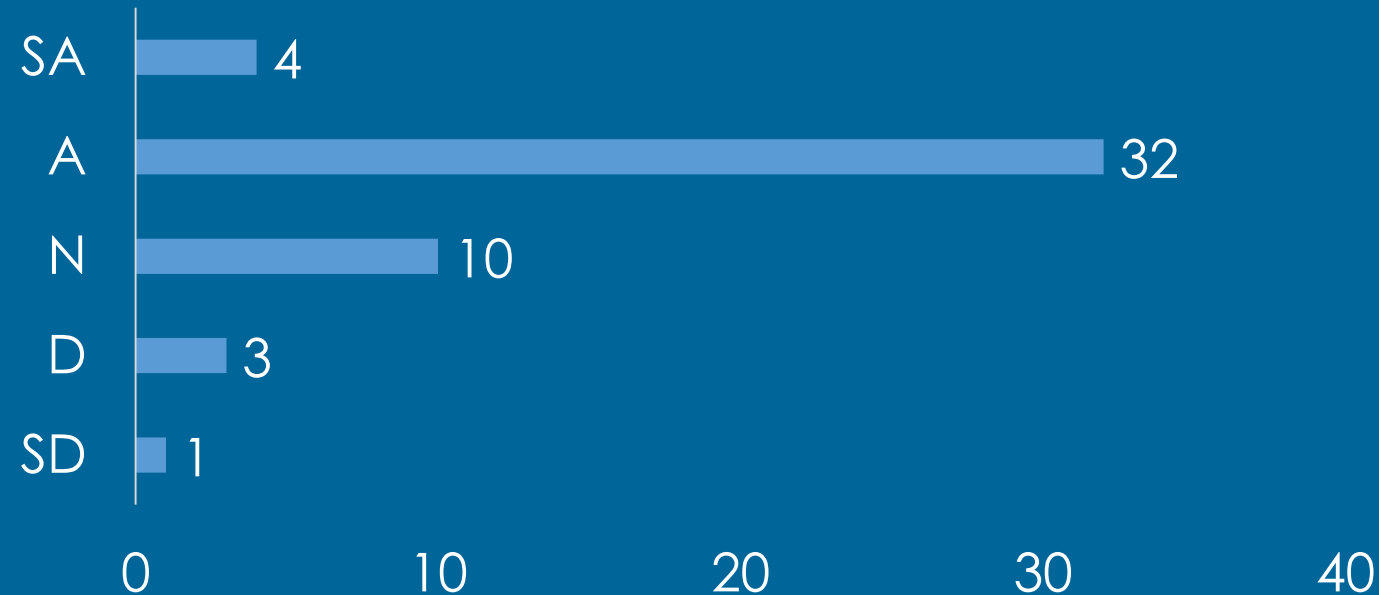
P4 - Concern of RE on daily lifestyle



Concern of the implementation of renewable energy towards the lifestyle
at Batang Lupar Estuary

50% Neutral; 32% Agree.

P5 - Know the different types of RE



Know the different types of renewable energy that can be used at Batang Lupar Estuary

64% Agree; 8% Strongly Agree.

- Importance acknowledged, but low RE experience.
- Cost is key barrier.
- Male perception crucial for adoption.
- Need for education and engagement strategies.

- Awareness campaigns (targeting male leaders).
- Community RE cooperatives.
- Government support: incentives, partnerships.
- Local and international collaborations encouraged.

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