Empowering Communities: Local Leaders and Sea Level Rise Relocation in Demak

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Introduction

- Empowering communities to tackle sea-level rise in areas like Demak requires a multifaceted approach involving local leaders and stakeholders in decision-making processes. Understanding migration decisions and implementing targeted displacement mitigation strategies are crucial for enhancing coastal communities' resilience (Ghani, 2024).
- Planned relocation has emerged as a transformative strategy to reduce vulnerability and improve livelihood outcomes for at-risk communities (Bower, 2024). This approach can be a game-changer in disaster risk reduction, climate adaptation, and development (Nalau & Handmter, 2018).
- Local leaders play a pivotal role in empowering communities to make decisions about relocation as an adaptation strategy (Maldonado, 2014). Communities must be at the forefront of these decisions. By involving local leaders, communities can better assess the risks and benefits of relocation and make informed choices about their future.
- Residents’ and stakeholders’ involvement is key to the adaptation process, enhancing resilience to sea-level rise, fostering education about risks, and enabling social learning for informed decision-making (Considine et al., 2017).
- This study explores how local leaders and community empowerment can mitigate the effects of rising sea levels in Demak, Indonesia. It examines strategies for building local resilience to climate change and minimizing disaster risks, focusing on relocating at-risk communities.

Methodology

Qualitative Approach:
- In-depth interviews with local leaders (kepala desa)
- Interviews with ten male and female residents affected by sea level rise
- Two focus group discussions with community members for more detailed insights

Study Sites: Focused on Demak, Indonesia, a region significantly impacted by sea-level rise

Sampling:
- Purposeful sampling of local leaders and residents
- Diversity in gender and role to ensure comprehensive perspectives

Tools: Semi-structured format for flexibility and depth, facilitate group dynamics and collective insights

Data:
- Qualitative data from interviews and discussions
- Transcripts and notes for thematic analysis

Results

Importance of Local Leaders
The study emphasizes the crucial role of community leaders in strengthening resilience to climate change. In Demak, village leaders and local council members enabled effective communication and fair decision-making, acting as intermediaries between government agencies and the community to ensure the concerns of the affected population were acknowledged.

Key factors for successful relocation included:
- Effective Communication: Regular town hall meetings and information sessions kept the community informed and involved.
- Equitable Decision-Making: Transparent decisions with input from all community members ensured no group felt marginalized.
- Inclusive Participation: Efforts included diverse community members, such as women, the elderly, and minority groups, in planning and decision-making.

Adaptation Strategies Rooted in Local Knowledge
Adaptation strategies leveraging local knowledge and traditions significantly boosted resilience. For example, traditional flood management practices, such as raised bamboo platforms for housing and communal decision-making based on consensus, were integrated into modern plans, making them more readily accepted and effectively implemented.

Challenges of Relocation
- Cultural Displacement: Relocation often led to losing cultural identity and traditions, such as difficulties maintaining traditional fishing practices in new inland locations.
- Economic Adjustments: Many residents had to shift from traditional livelihoods like fishing and coastal farming to new forms of employment, requiring retraining and support, which was not always immediately available, leading to temporary economic hardships.

Case Study
A coastal village in Demak was relocated to higher ground after severe flooding. The new settlement provided safer housing and better access to services like schools and healthcare. Former fishermen faced challenges adapting to agriculture-based livelihoods, but comprehensive support programs, including job retraining and economic assistance, helped them overcome these difficulties. This case study highlights the potential of planned relocation as an effective strategy when accompanied by proper support and resources.

Conclusion
- Role of Local Leaders: Local communities and authorities are crucial in addressing sea level rise challenges.
- Incorporating Indigenous Knowledge: Integrating traditional practices into climate adaptation strategies is vital.
- Successful Relocation in Demak: Community-driven relocation efforts have effectively enhanced resilience to climate change impacts.
- Policy Recommendations: Prioritize community engagement; Focus on capacity building; and implement ongoing monitoring for long-term sustainability

References


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