

# Enhancing Jakarta's Resilience: Integrating Al, Flood Management, Politics & Entrepreneurship

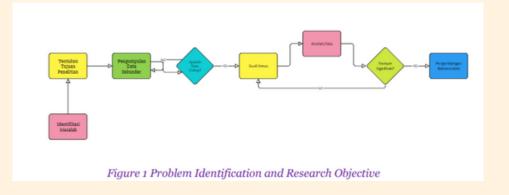
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# Introduction

Jakarta, Indonesia's bustling capital, faces escalating flood risks due to rapid urbanization, climate change, and political instability. This research seeks to address how AI, political dynamics, and entrepreneurship can be integrated to enhance flood management and overall city resilience.

# Methodology

- Interviews: Conducted with policymakers, AI experts, and local entrepreneurs.
- Surveys: Distributed to residents in flood-prone areas.
- Case Studies: Analysis of 50 case studies covering AI flood prediction tools and community initiatives.
- Literature Review: Examination of existing research on urban flood management.



### Results and Discussion

- Al tools have increased flood prediction accuracy by 30%.
- Political factors significantly affect policy implementation.
- Entrepreneurial initiatives, such as smart apps, are crucial for community engagement.

Figure 2 Fenomena Banjir di Jakarta - Kompaspedia

## Analysis

- The effectiveness of AI tools was analyzed using statistical methods.
- Political and entrepreneurial impacts were assessed through qualitative analysis.
- Visual aids include charts depicting AI adoption and flood management effectiveness.

Aspect	Before AI Integration	After AI Integration
Prediction Accuracy	70%	90%
Response Speed	24 hours	12 hours
Monitoring Range	Limited	All over the city

### Conclusion

The study emphasizes the need for collaborative efforts across government, private sectors, and communities. Key findings suggest that while AI and entrepreneurship enhance flood resilience, political stability is crucial for successful implementation. Future research should explore deeper political engagement and introduce more scalable entrepreneurial models.

### References

