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Poster Book

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BY SUBJECT | 2022



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Generations of Professional Excellence

Unleashing Potentials
Shaping the Future

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Communities' Resilience: Lesson-learned from 2021 Selangor Flash Floods

INTRODUCTION

Flash floods can cause significant loss and damages to communities. Community resilience defined by the ability to anticipate and prepare for disaster via awareness, disaster preparation investment, and understanding disaster risks. This involves investing in early warning systems, evacuation plans and community awareness program.



Padang Jawa communities evacuated after water level reach 1.2 meters, on 20 December 2021.
 Source: Utusan Malaysia



Aerial View of inundated area in Taman Sri Muda, Shah Alam, on 21 December 2021.
 Source: Selangor Journal, Reuters



Cars stranded at the submerged main road entering Taman Sri Muda, on 21 December 2021.
 Source: The Star

PROBLEM STATEMENT

“ In late 2021, Selangor, Malaysia was hit by a flash flood that affected 100,000 families and estimated RM6.5 billion losses and damages. ”

Selangor Journal, 2022

OBJECTIVES

To explore resilience strategies against flash flood among communities in Selangor

METHODOLOGY

- Questionnaire Survey
- 45 respondents in communities in Padang Jawa & Sri Muda, Shah Alam
- Path & Measurement Modeling Analysis of PLS-SEM

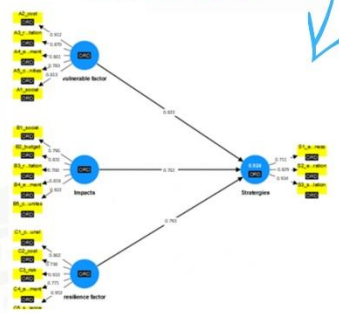
FINDINGS

- Resilience strategies:
- simulation
 - early warning system (EWS)
 - disaster awareness & preparedness activity

NOVELTY

Innovative idea on new approaches for building resilience in communities at risk - capacity building through participatory disaster risk assessment (PDRA) (i.e., EWS, simulation, preparedness activities)

ANALYSIS



CONCLUSION

By understanding the challenges faced by the affected communities and the strategies they use to overcome them, it can help to **minimize** disruption and **reduce** on long-term adverse impacts onto community.