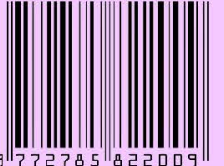


SCHOOL OF CIVIL ENGINEERING

JULY-DEC 2024 VOL. 5



eISSN 2785-8227



9 772785 822009

Media Appearance

FLOOD PREPAREDNESS IN MALAYSIA: UNDERSTANDING THE CHALLENGES AND SOLUTIONS

Floods are one of the most frequent natural disasters affecting Malaysia, occurring nearly every year, particularly during the monsoon season. With a tropical climate characterized by humid weather, Malaysia experiences average daily temperatures ranging from 21°C to 32°C. Its annual rainfall, which constitutes about 80% of the year's weather, ranges between 2000mm and 2500mm. This high rainfall is largely influenced by two monsoon seasons:

- The Southwest Monsoon (May to September), driven by winds from the Indian Ocean.
- The Northeast Monsoon (November to March), influenced by winds from the South China Sea.

During the Northeast Monsoon, the intensity of rainfall typically escalates, triggering widespread flooding, particularly in low-lying areas and coastal regions. These floods not only disrupt daily life but also cause significant socio-economic losses and pose safety risks.



As floods become a regular occurrence, the importance of effective flood preparedness and management cannot be overstated. This includes strategies such as public education, infrastructure resilience, and collaboration between government agencies, academia, and industry experts.

In recent months, various platforms have been utilized to discuss and propose solutions to the challenges posed by floods in Malaysia. Among these initiatives, three experts from the School of Civil Engineering, College of Engineering, UiTM were invited to share their insights and propose actionable solutions to address the ongoing flood challenges in the country.

Preparedness During the Northeast Monsoon

Ir. Dr. Suzana Ramli recently addressed flood preparedness during the Northeast Monsoon in her presentation titled "Monsun Timur Laut: Persediaan Menghadapi Banjir." She emphasized the importance of proactive measures to mitigate risks and protect vulnerable communities.

More info: [Persediaan menghadapi banjir](#)

Safety Measures for Electricity and Gas

In her talk, "Banjir: Utamakan Keselamatan Libatkan Elektrik, Gas," Ts Dr. Mazlina Zaira Mohammad highlighted the critical need to prioritize safety during floods, particularly concerning electrical systems and gas infrastructure. Her insights underscored the risks these utilities pose if not properly managed during emergencies.

More info: [Banjir: Utamakan Keselamatan Libatkan elektrik, gas](#)

Expert Collaboration to Address Flood Challenges

A forum titled "Floods: Causes, Consequences, and a Path Forward?" featured Shah Fiesal Hussain (MERCY Malaysia), Prof. Ir. Dr. Lee Wei Koon (UiTM), and Dr. Nor Eliza Alias (UTM). These three experts discussed and proposed practical and sustainable solutions to the challenges posed by the current floods in Malaysia. Their insights ranged from identifying the root causes of flooding to addressing its long-term consequences through innovative mitigation strategies.

More info: [causes, consequences and a path forward](#)

