



NURUL AIN NAJWA ZULKIFLE

Australia Malaysia Virtual PhD
Internship Program - 2025

A Robust Method for
Shoreline Changes and
Delineation using Remotely
Sensed Data

Thesis Outline

My research focuses on developing a robust method for shoreline delineation in the Johor Strait by integrating SAR coherence with K-means clustering to improve coastal monitoring and support SDG 14 resilience planning.

Supervisors & Institutions

**Associate Professor Dr. Nurul
Hazrina Idris**
Universiti Teknologi Malaysia

Assoc. Prof. Dr. Zahra Gharineiat
University of Southern Queensland

Future Goals

This internship marks a turning point in my research journey, as it boosts my confidence, sharpens my skills and broadens my network. I aim to publish, grow as a scholar and share this experience to motivate others to pursue similar opportunities.

AMVPIP Experience

I have learned to embrace diverse perspectives through cross-cultural interactions that highlighted the importance of inclusivity in research. The mentorship I received inspired me to become a supportive guide for others, while the friendships and networks I built have enriched my PhD and future collaborations. Facing challenges strengthened my adaptability and dedication to lifelong learning, shaping my growth and carrying forward lessons for both academia and life.

Key Takeaways

Firstly, I have enhanced my academic skills by improving my writing and communication, learning to express ideas clearly and confidently. Secondly, I have grown personally through adaptability, resilience and a commitment to continuous learning, especially through cross-cultural experiences that taught me the value of diverse perspectives. Lastly, I will carry forward the networks and collaborations I developed during this program, along with the motivation to become an effective mentor in the future, ensuring that the impact of this experience extends well beyond my PhD journey.