



# Dr. Tengku Fara Kamalia binti Tengku Mohd Kamil

Lecturer  
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## QUALIFICATIONS

- Doctor of Philosophy (Ocean Science), Bangor University, Wales, UK.
- Master of Science (Conservation Biology), Universiti Kebangsaan Malaysia.
- Bachelor of Science (Conservation Biology-Zoology), Universiti Kebangsaan Malaysia.

## FIELD OF RESEARCH

- Coral reef ecology
- Coral bleaching
- Coral fluorescence yield

## RESEARCH INTEREST

My main research interest is to understand the coral's health in aspect of fluorescence yield, related to global warming and pollution effects. Coral reefs is a sensitive animals, and climate change is changing the ocean become warmer and more acidic, which can affects the corals physically and biologically. I am looking forward to expend my future studies on the relationship between the coral, its physical behavior with the sewage pollution and nitrate enrichment. Hopefully, this research can support coral reef restoration and coral management.

## PROFFESIONAL MEMBERSHIP

- Malaysian Nature Society, Ordinary Membership (2008-Present)
- International Society for Reef Studies, Member (2015 – Present)
- Reef Check, Member (2015 – Present)

## AWARDS

- Silver Medal, Amalan Inovasi Pengajaran dan Pembelajaran (AIPP), Karnival Inovasi @UMT 2020.
- The Best MOOC Award, National Level, Kementerian Pengajian Tinggi Malaysia 2015.

## PUBLICATIONS

### Journal Article

1. Tengku Fara TK. and Turner J. 2019. Short term in chlorophyll fluorescence of thermal stress scleractinian corals. *Malaysian Fisheries Journal* **18**: 27-41.
2. TFK TMKamil, AA Jamal, SA Fadzli, F Lananan and AF Abd Ghani. Coral reefs 3D mapping using low cost autonomous water surface vehicle. 2017. *International Journal of Applied Engineering Research* **12** (24): 14466-14470.

### Conference Publication

1. Tengku Fara Kamilia (2018) PAM fluorometer: A non-invasive technique for photobiology research in marine ecosystem in Conference Proceedings ICSTR Jakarta International Conference on Science & Technology Research.

### Other Outputs

[Thesis, manuscript, books, reports, etc.]

1. Azza J. and Tengku F. (2020). *Staggy the coral*. Penerbit UMT.
2. Azza J. and Tengku F. (2020). *Loligo the squid*. Penerbit UMT.
3. Tengku Mohd Kamil, Tengku (2018) The Effects of Temperature, Irradiance and Nutrient Stress on Maximum Quantum Yield of 3 Scleractinian Corals (Doctoral dissertation, Bangor University, Wales, United Kingdom).

## COURSE TAUGHT

- MMB3309 Biology of Marine Invertebrates
- MMB3300 Biological Oceanography
- MMS3006 Marine Science Research Methods
- PAL3105 Issues and Importance of Marine Fauna
- PAL3115 Sustainable Development
- MMS3003 Issues and Global Perspective - Environment

## LINKS

- Researchgate T.F.K. Tengku Mohd Kamil
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