



# E-Portfolio

*Afifi Johari*

Marine Coastal and Delta Sustainability  
for Southeast Asia



Co-funded by the  
Erasmus+ Programme  
of the European Union

"Hi, I'm Afifi Johari...  
Physical Oceanographer.."

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## Education

E-portfolio

<https://afifijohari.weebly.com/>



My passion towards the physical oceanographic studies begin during my Bachelor degree study in 2015. Due to this university as the pioneer in Marine Biology studies, it triggered my excitement to gain something new, adventurous, and different. My Bachelor degree study fed me a lot of information regarding to the deep sea world. After 3 years of bachelor degree, I feel more interesting on the physical oceanographic study. It was begun due to the hot issues regarding to the global warming phenomena during that time, in addition on the occurrence of the El-Nino in 2015/2016. Besides, the exploration on the physical oceanographic studies in southern part of South China Sea (SSCS) during that time also still parse, which cause one of the motivation for me to do more research in this area. After finished my Master's study in 2019 regarding to the topic on the water temperature features in the SSCS, it gives me a curiosity regarding to the other features which is about the boundary current which I'm working on it for my Ph.D.

### Ph. D (Physical Oceanography)

Universiti Malaysia Terengganu, Malaysia  
2021 - current

Research title : The continuity of the boundary current along the Southern South of China Sea

### M. Sc (Physical Oceanography)

Universiti Malaysia Terengganu, Malaysia  
2016 –2018

Thesis title: Long-term trends and variations of water temperature in southern South China Sea

### B. Sc (Marine Biology)

University Malaysia Terengganu, Malaysia  
2012 –2015

# Professional experiences



## Research Assistant

Universiti Malaysia Terengganu, Malaysia  
2016 – now

During my master study period (2016-2018), I also worked as the research assistant in my field of study. Along this period, I have participated in scientific cruises and sampling activities at offshore inshore, and wetland areas. Other than hands on activities, I assisted the research works through the data compilation and analysis. In addition, I gained excellent skills, particularly in data analysis using MATLAB and ODV. I also helped in course tutorials and group discussions for Physical Oceanography and Meteorology subjects.



## Academic Consultant

Unifield International College, Malaysia  
January - May 2019

After finished my Master studies in December 2018, I took a break from oceanographic for 5 months. As an academic consultant, I assisted in giving consultation to the students who are interested to further the study based on the academic qualification. Besides, I gained interpersonal skills in communication, public speaking, and administrative works. During this time, I gained so much knowledge regarding to the academic and qualification system for student to pursued their study in Malaysia.

# Scientific Conference



Tropical Ocean and Marine Sciences International  
Symposium  
Malaysia  
30 -31 October 2018

- Poster presentation
- Research title : Water temperature characteristics and variations in southern South China Sea from 60 years data of World Ocean Database



Estuarine and Coastal Sciences  
Association 57 Australia  
3 -6 September 2018

- Oral presentation
- Research title : ENSO effects on Southern South China Sea and upwelling features



10th West Pacific International Scientific  
Conference  
China  
17 -20 April 2017

- Oral presentation
- Research title : Exploring 100 years of oceanographic data in the southern South China Sea from World Ocean Database

# Publications

Zainol, Z., Akhir, M, F., **Johari, A.**, Ali, A. (2021). Water quality data in a shallow and narrow Setiu Lagoon. Data in Brief. Vol 35 (106866).

**Johari, A.**, Akhir, M., Satar, M, N., Zainol, Z. (in press). Inter-annual changes of water temperature in southern South China Sea's continental shelf: The influence of ENSO in Malaysian Waters. Journal of Marine Science and Technology.(Accepted for publication in October 2020).

**Johari, A.**, & Akhir, M. (2019). Exploring thermocline and water masses variability in southern South China Sea from the World Ocean Database (WOD). Acta Oceanologica Sinica, Vol 38 (1), 38-47

Zainol, Z., **Johari, A.**, Akhir, M. (2020). Physical characteristics of the East Coast of Peninsular Malaysia during the Southwest Monsoon. In M. F. Akhir, National Scientific Cruise Expedition 2016-2017 "Sustainability of Malaysian Waters in a Challenging Climate"(pp. 22-59). Terengganu, Malaysia: Penerbit UMT.

## Scientific Cruises & Fieldwork



Year : 2020

Date : 24 - 26 August

Activities : Anti-trawl ADCP maintenance

Location : Tiong Platform



Year : 2020

Date : 16 - 23 March

Activities : Gravity corer sampling

Location : East coast of Peninsular Malaysia (ECPM)



Year : 2018

Date : 28 - 29 September

Activities : Scientific Documentary

Location : Terengganu waters



Year : 2018

Date : 6 - 12 August

Activities : Scientific cruise

Location : ECPM

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