

Muhammad Mukhlas Sabara

Curriculum Vitae

Norwegian University of Science and Technology
Department of Marine Technology
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Educational Background

2018

PhD Marine Hydrodynamics, Department of Marine Technology - Norwegian University of Science and Technology (hereafter NTNU), Trondheim, Norway.

Thesis title Closed membrane cage in waves (tentative)

Advisors Prof. Pål Lader, Prof. Trygve Kristiansen, and Assoc. Prof. David Kristiansen

2015

2017

MSc Marine Hydrodynamics, NTNU, Trondheim, Norway.

Thesis title Roll Damping Investigation of Two-Dimensional Ship Section with Bilge-Boxes

Advisor Prof. Trygve Kristiansen

2010

2014

BSc Ocean Engineering, Department of Ocean Engineering - Institut Teknologi Bandung (hereafter ITB), Bandung, Indonesia.

Major in Offshore Structures

Thesis title Case Studies of HDPE Subsea Pipeline in Senunu Bay, West Nusa Tenggara

Advisor Dr. Krisnaldi Idris

Professional Experience

2017

2018

Junior Structural Engineer, PT Synergy Engineering, Jakarta, Indonesia.

- Projects**
- Detailed Engineering Design (DED) of Premier Oil Natuna Sea BV, BIGP Project
 - Front End Engineering Design (FEED) of Petronas Carigali Ketapang II Ltd, Bukit Tua 2B Project

2015

Junior Pipeline Engineer, PT LAPI ITB, Bandung, Indonesia.

- Projects**
- FEED study on a HDPE tailing pipeline extension project of PT Newmont Nusa Tenggara, Indonesia

2013

Internship, PT Total E&P Indonesia, Balikpapan, Indonesia.

- Activities**
- Project management study cases of Bekapai platform's extension installation project
 - Obtained "Excellent" evaluation score (8.6/10)

Teaching Assistant

2020
2022

TMR 4141 - Aquaculture Structures (Spring semesters), *Department of Marine Technology, NTNU, Trondheim, Norway.*

Duties Conceptualization, investigation, supervision, and writing of four lab exercises for the students

Supervisor Prof. Pål Lader

2021
2022

TMR 4182 - Marine Dynamics (Autumn semesters), *Department of Marine Technology, NTNU, Trondheim, Norway.*

Duties Supervision of the exercise guidance hours for the students

Supervisors Prof. Erin Bachynski-Polić, and Prof. Trygve Kristiansen

2021

TMR 4247 - Marine Technology - Hydrodynamics (Spring semester), *Department of Marine Technology, NTNU, Trondheim, Norway.*

Duties Supervision of the exercise guidance hours for the students

Supervisors Assoc. Prof. David Kristiansen and Prof. Luca Savio

Languages

Bahasa Indonesia Native

English Fluent

Norwegian Intermediate

B1: listening, reading, and writing. A2: speaking
Norskprøve, Kompetanse Norge

Skills

Programming Python, MATLAB, \LaTeX

Tools WAMIT, OrcaFlex, ANSYS Mechanical, OpenFOAM, Bentley SACS

Publications

[Mukhlas et al., 2022] Mukhlas, M., Kristiansen, T., Lader, P. F., and Kristiansen, D. (2022). Experimental and Numerical Investigation of a Vertical Pre-tensioned Membrane Sheet in Regular Waves. In *Proceedings of the 9th International Conference on Hydroelasticity in Marine Technology*, Rome.

[Mukhlas et al., 2021] Mukhlas, M., Lader, P. F., Kristiansen, D., Kristiansen, T., and Kanazawa, M. (2021). Bag and floater motions of a fabric membrane cage. *Journal of Fluids and Structures*, 106:103353.