

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/44742> holds various files of this Leiden University dissertation

Author: Adhitya, A.

Title: Biophysical feedbacks between seagrasses and hydrodynamics in relation to grazing, water quality and spatial heterogeneity : consequences for sediment stability and seston trapping

Issue Date: 2016-12-07

Curriculum Vitae

Achmad Adhitya was born on 13th October 1979 in Tanjung Karang Bandar Lampung, the southern part of Sumatra Island. He finished his elementary school until senior high school in his hometown in Lampung. In 1997, he continued his Bachelors in Civil Engineering at The Brawijaya University in Malang – Indonesia majoring Civil Engineering. After graduating his Bachelor's, he pursued a Master's degree in Coastal Geosciences and Engineering at Kiel University in Germany. During his MSc study, Achmad was accepted for an internship at the Institute for World Economics (IFW) in Kiel, Germany, where he worked in the Geology and Paleontology laboratory. Shortly after his work at Kiel University, he applied for a Royal Academy of Science (KNAW) scholarship, one of the most prestigious scholarships in the Netherlands, for which he was accepted as a PhD student through Leiden University in Leiden, The Netherlands. He conducted all his research at the Netherlands Institute of Sea Research (NIOZ), previously NIOO (Netherlands Institute of Marine Ecology) in Yerseke, The Netherlands. During his PhD study, he obtained intensive training on Matlab Data Management at VLIZ, Belgium, and on Hydrodynamics at NCK summer school in Texel, The Netherlands, as well as at Lancaster University, UK.

Achmad received Indonesian Diaspora Awards for Youth Activism in 2012, awarded by President Susilo Bambang Yudhoyono, for his contribution on bringing together Indonesian scientists globally; he was honored as Most Inspiring Person in 2012 by the Governor of Lampung and received the Excellence Performance Award in 2015 from The Millennium Challenge Account, Indonesia.

In 2013, Achmad was appointed as Partnership Manager for Millennium Challenge Account – Indonesia (MCA-I), an organization established through a partnership between Indonesian and United States Government, to manage a USD 600 million grant. In this role he was responsible for developing partnership cooperations with International Non-Governmental Organizations (I-NGOs), International Donors, private sectors, National Government and academic institutions on Natural Resource Management and Renewable Energy policies. He also worked as a staff member at Surya University's Center of Oceanography and Marine Technology in Jakarta.

Acknowledgments

I recall my early PhD years have been very tough, but I learned to push myself beyond my comfort zone and personal boundaries and eventually learned a lot, not only about conducting research but also about self-management and discipline. Throughout the course of my PhD I developed myself both as a researcher and as a person.

I would have never completed my PhD without the help from my promotor (Prof. Dr. Peter Herman) and my daily supervisor (Prof. Dr. Tjeerd Bouma). I am really thankful to Peter for his patience to teach me about Matlab. Although my background in programming was extremely limited, Peter was an excellent teacher and leveraged my knowledge about programming and Matlab. I eventually managed to create several Matlab codes myself during the course of my PhD.

I can never be grateful enough to Tjeerd. With his dedicated encouragements and critics, he has proven himself a great mentor since the start of my PhD. I recall our first visit to Derawan, East Kalimantan, where we worked until midnight to finally get good calibration data. Instead of letting me work all by myself, he insisted on helping me, no matter how long it would take us. Not only as a supervisor, but also as a great teacher and mentor, Tjeerd has taught me some important life lessons. For this I am greatly thankful to Tjeerd and I am convinced that all his efforts will help me to grow as a researcher and a person in the future.

I am thankful to my Leiden promotor (Prof. Dr. Geert de Snoo), supervisor (Prof. Dr. Hans de Iongh) and Prof. dr. van Bodegom. I remember Prof. Geert de Snoo asked me to sit together and finalize my introduction chapter. During this intensive work session, the boundary between Dean and Student was broken down completely, which was mostly due to Geert's warm personality and friendly approach. I am further very grateful to Prof. Hans de Iongh, who would never stop finding solutions until the last minute to finalize my PhD, and to Prof. Bodegom, for trusting and believing that I could make it to the end. Without their perseverance I would not have reached this point now.

I would also like to express my gratitude to my co-author (Prof. Dr. Andrew Folkard). Andrew is a brilliant and inspiring person, and I learned a lot from him during our hydronamics studies together. Andrew is very skilled in explaining

difficult hydrodynamic processes in a simple way. My thanks also to my father (Ir. Maramis Syukri, M. Hum) and mother (Dr. Yusnani Hasyimzoem), for their endless supports and prays. They both have been a strong supporter to me throughout my PhD. I would therefore like to dedicate this PhD thesis to them.

Finally, I am thankful to my wife (Ratu Tiara Hadijah Habibie, MSc) and my daughter (Ratu Amalia Haqq Adhitya). My wife has become my strongest motivator; she encouraged me during the often hard times I had in The Netherlands and kept reminding me of the importance of getting my PhD done. This PhD thesis is therefore also dedicated to my wife and daughter. Thank you for your trust and support, I am so lucky to have you both.