

Curriculum Vitae

Name	: Prof. Dr. Adrianus Amheka, S.T, M.Eng
Occupation	: Head of Indonesian Society of Applied Sciences (ISAS) https://isas.or.id/ 2020 -2024 Head of Center for Research and Community Services- PNK March 2018 - now Head of Professional Certification Agency - PNK 2017-2018 Head of International Affairs (KUI)- PNK 2015-2017
Specialization	: Energy and environmental system, Social-Economy energy, Sustainable development studies, Environmental studies, Engineering social. https://www.scopus.com/authid/detail.uri?authorId=56491035100 https://scholar.google.co.id/citations?user=7hxZOXAAAAAJ&hl=en
Address/telp	: State Polytechnic of Kupang (PNK) Jl Adi Sucipto Penfui Kupang, NTT, Telp +62380-881245; Home: Perum Osmok Land, Jl. M Praja, Kampung Baru RT/RW: 028/007, Kelurahan: Namosain, Kecamatan: Alak, Kota Kupang 85232 NTT, Indonesia. email: adrianus.amheka@gmail.com; Mb. +628128 5660773.

Education	
Dr. in Energy and Environmental System	Grad. School of Life & Envr. Sciences, Uni. of Tsukuba, 2014.
Master in Enviromental Engineering	Griffith Uni., 2010.
Bachelor in Mechanical Engineering	Nusa Cendana Uni., 2003.
E3i (Energy, Economy, Environment) monitoring and evaluation of renewable energy applications in candidate E3i villages	Online Dharna Persana Uni.- UNESCO, 2010.
Renewable energy policy & planning for sustainable development	Online Asian Institute Technology- UNESCO, 2010.
Graduate Certificate in Climate Change Adaptation	Uni. of the Sunshine Coast, 2009.
International Summer School: “Kyoto Atmosphere Geosphere Investigation (ISS KAGI 21)”	FIKTIM-ITB, 2006.
Teaching and Research assistant	Grad. School of Life & Envr. Sciences, Uni. of Tsukuba, 2014.
Visiting foreign research fellow Dec. 1 st - Apr. 31 st	Grad. School of Life & Envr. Sciences, Uni. of Tsukuba, 2011-12
Certificates	
<ul style="list-style-type: none"> Competence in Oil, Gas and LNG operation (Drilling and Completions, LNG Processes & Facilities, Petroleum Technology Overview, Production Tech & Facilities, Health Environment and Safety, Safety Orientation) International Collaboration Environmental Program Environmental Diplomatic Leader (EDL) 	SAIT Polytechnic, 2017 Uni. of Tsukuba, 2014. Uni. of Tsukuba, 2014.
Workshop and intership (<i>competitive grants</i>)	
International environment leaders training program, Asian Program for Incubation of Environmental Leaders (APIEL) Uni. of Tokyo	Minamata Unit, Nov. 20-25, 2012.
Domestic intership EDL, Uni. of Tsukuba	Minamata & Nagasaki, Nov. 26-29, 2012.
Decentralized Sustainable Energy for Wider Indonesia: Towards Energy Security and Independence (Robert Gordon Uni and Unas)	Yogyakarta, Oct. 19 – 22, 2015.

<p>APN TOT Urban Climate Adaptation in SEA 2015</p> <p>Sustainable Energy for All (ITS and Uni of Strathclyde)</p> <p>Developing Academic Summer Program – British Council and Kemenristekdikti</p> <p>Australian Technology Network (ATN) Seminar & Workshop: Inspiring International Research Excellent</p> <p>Adopting an R-Urban Model:</p> <p>Empowering Local Communities to Develop Sustainable Built Environment (Uni. of Nottingham and UII)</p> <p>Going Global 2007: Global cities: connecting talent, driving change (<i>as poster presenter</i>)</p> <p>An International Skills Partnership: Develop mutual partnership between Dudley College, UK and a State education department in Gilgit-Baltistan, Pakistan on tourism and Energy sectors funded by British Council.</p>	<p>Depok, Nov. 2 – 6, 2015</p> <p>ITS Surabaya, Nov. 30 – Dec. 2, 2015</p> <p>Unhas, 22-23 May, 2016.</p> <p>Jakarta, Sept. 26-27, 2016</p> <p>Yogyakarta, Nov. 30 – Dec. 04, 2016.</p> <p>London, May 22-24, 2017</p> <p>Pakistan, January 2018</p>
<p>Training</p> <p>Industrial development & SMEs policies, KOICA ICC Center, Seoul, 2011</p> <p>Environmental Technology for Low-carbon Society, JICA Kyushu, 2011</p> <p>Singapore-IEA Regional Training Programme on Sustainable Energy Policies for Smart Cities, (Virtual online), Sept 7-10, 2020</p> <p>Pelatihan Pengembangan Model-derived MACC dengan LEAP untuk Pembangkit Listrik Energi Terbarukan, (virtual online), Sept 9, 2020</p>	
<p>Project Leader</p> <ul style="list-style-type: none"> • Initiator of the establishment of the Regional Energy Agency, NTT Province, 2021~ • Model Pembangunan Rendah Karbon ASEAN-5 berbasis Input-Output (Indonesia, Malaysia, Philippines, Thailand and Vietnam) 2021-2022 • International Skills Partnership 2016-2017; 2017-2018 (Advanced) between PNK and Dudley College funded by British Council: Dudley supporting PNK by sharing expertise in Tourism and Renewable Energy (Solar Power), Delivering training for those sectors with the aim of obtaining center accreditation for PNK through an internationally recognized awarding organization (become a British Council-accredited Advanced Skills Partnership). The project has been developing the partnership from strength to strength, changing the lives of young people in both Dudley and Kupang. • Sustainable Tourism Consortium (Sustour) Indonesia- France 2016 ~ • Coordinator of Strategic partnership between PNK and Taipei Tech and First Tech, Taiwan • Strategic Partnership between PNK and Local Government 2017 ~ • Expert team leader for regional energy general plan regulations, NTT Province 2017 ~ • Coordinator for Regional SDGs No.7 Affordable and Clean Energy at East Nusa Tenggara Province, Indonesia 2018~ 	
<p>Partnership Initiator/Coordinator</p> <ul style="list-style-type: none"> • British Council and NTT Province Government: 2016~ present: A number of on-going projects being conducted. • Strategic Commitment between PNK and NTT Province Government to improve the Province competitiveness in any priority aspects 2016-2018 • UK Government and NTT Province Government 2017~ present: The entrance investment from the UK govt in Kupang • As coordinator of accelerated achievement of local government programs partnered with PNK (Vocational side): 2016~ 	

Conferences, symposium (*competitive grants*): oral presentation

International:

IAEE International Conference in New York, June 15-18, 2014.	Social economic evaluation in Kupang city to meet CO ₂ e target based on IO model. (<i>Granted by IAEE</i>), Participant
Gastech 2014 Student program in Seoul, Mar. 24-27, 2014.	Student exercise grouped by organizer to solve problem of costs associated with the delivery of LNG. (<i>Granted by Gastech</i>), Discussion group
JSRSAI The 50 th Annual Meeting in Uni. Of Tokushima, Oct. 12-14.	Comprehensive evaluation approach of current situation in Kupang municipality, NTT province, Indonesia in order to achieve CO ₂ e target in regional level based on Kupang IO model. (<i>Granted by Uni. Of Tsukuba</i>), Oral presentation
The 4 th International Conference on Sustainable Future for Human Security Sustain, Kyoto Uni., Oct. 19 – 21, 2013.	Evaluate feasibility develop renewable energy technology system and waste treatment plant to reduce CO ₂ emission in Kupang city, Indonesia based on Kupang input-output model (<i>Granted by Uni. Of Tsukuba</i>), Oral presentation
International Conference on sustainable Rural Development (ICSRD), Purwokerto, Indonesia, Aug. 25-26, 2013.	A comprehensive evaluation effort of current situation in Kupang city as local government to achieve Indonesia government target in reducing CO ₂ e emission based on analysis of Kupang input-output model. (<i>Granted by Uni. Of Tsukuba</i>), Oral presentation
IAEE European conference, Aug. 18-21, 2013 in Dusseldorf.	Energy economic of phasing out carbon and uranium. (<i>Granted by IAEE</i>), Oral presentation
Intl seminar: Engineering without Borders, Qld-Australia Branch, Oct. 02, 2010.	Pathways to working in developing countries, Brisbane-Australia. (<i>Granted by Engineering without Borders, Qld-Australia Branch</i>), Keynote speaker
Joint Symposium 2013 Uni. Of Tsukuba, Sept. 14, 2013	International Environmental Leader Training Program. (<i>Granted by EDL- Uni. Of Tsukuba</i>), Participant
EDL Wrap-up symposium, Feb. 13-14, 2014	Comprehensive evaluation approach of current situation in Kupang city, NTT Province, Indonesia in order to achieve CO ₂ e target in regional level based on Kupang IO table. (<i>Granted by EDL- Uni. Of Tsukuba</i>), Poster session
Tokyo Green Growth Symposium	Comprehensive evaluation of energy structure transformation policies to reduce GHG emission in Kupang, NTT, Indonesia: Assessment of Renewable energy technology with extended dual input-output analysis. (<i>Granted by UNU- IAS, Tokyo</i>), Oral presentation
Urban and Regional Economics Conference in Poland, June 11-12, 2015.	Optimization of regional economic structure transformation to reduce national GHG emission: A pilot model of GHG trends in Kupang City, NTT Province, Indonesia by using input-output analysis
Conference on Urban Development in China, June 25-26, 2015, Suzhou, China.	Evaluation of economic structure development of Kupang City, NTT Province, Indonesia to meet national GHG emission targets
Tourism and sustainable development, Bali, Aug. 3-4, 2015. (IRSA)	Integrated assessment of regional economic structure to achieve national GHG emission case study in Kupang City, Indonesia
the 5 th Congress of the East Asian Association of Environmental and Resource Economics (EAAERE 2015), Taipei, August 5-7, 2015.	Local economy structure transformation in reducing GHG emissions: case in Kupang, Indonesia

<p>Bringing Learning Home 2015 “Celebrating quality and skills”, Birmingham, Nov. 17-20, 2015</p> <p>The 13th IRSA Conference: Demographic Change and Regional Development, Malang July 25-26, 2016.</p> <p>Kavli Indonesia-America Frontier of Science August 1-4, 2016.</p> <p>Bringing Learning Home 2016 “Celebrating quality and skills”, Amman- Jordan, Nov. 28-29, 2016.</p> <p>58th ERSA Congress 2018 “Places for People: Innovative, Inclusive and Liveable Regions”, Cork, Ireland, Aug. 28-31, 2018.</p> <p>International Conference on Engineering, Technologies, and Applied Sciences (ICETsAS)”, Lampung, Indonesia, Oct. 18-20, 2018.</p> <p>The 15th IRSA International Conference: “Disasters and Regional Development”. Aceh, Indonesia, July 22-23, 2019.</p> <p>59th ERSA Congress 2019 “Cities, regions and digital transformations: Opportunities, risks and challenges”, Lyon, France, Aug. 27-30, 2019.</p>	<p>International collaboration in the regional perspective: case study Kupang city, Indonesia.</p> <p>Carbon tax-based urban evaluation: A novel model in Indonesia</p> <p>Cutting down GHG emission in Indonesia: Carbon tax as a solution</p> <p>Achievement of the International collaboration: competitive collaboration between Dudley College and State Polytechnic of Kupang.</p> <p>GHG Emission Reduction Strategic Approach Model: An Integrated Data Panel Introduction in Kupang City, NTT Province, Indonesia</p> <p>An optimal panel data for the imposition of a carbon tax: a case study in Kupang City, NTT Province, Indonesia</p> <p>Energy Supply and Demand in Regional Indonesia: A Long-Range Simulation</p> <p>Energy Mix Simulation to Reach Regional Energy Strategy: A National Impact of East Nusa Tenggara Province, Indonesia Energy Mix</p>
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