PERSONAL DETAILS

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EDUCATION	<u>I</u>	
1999-2002	PhD in Civil Engineering University of Manchester Institute of Science and Technology (UMIST), Manchester, UK PhD -Doctor Certificate	
1997-1998	MSc in Civil Engineering and Construction, UMIST, UK ☐ MSc Certificate.	
1986-1993	BSc in Civil Engineering, University of Sam Ratulangi Ir. or BSc Certificate (Sarjana S1)	
PROFESSION	NAL EXPERIENCE	
2000-2015	Association Members	
	 Universal Association of Civil, Structural and Environmental Engineers with the membership ID no. SNM10100051150 as a Senior member, year 2015. Construction Service Development Board (LPJK) as Higway Engineer, membership number 1.2.202.3.102.04.1040089 and registered in ASTTATINDO no. 14.ASTTATINDO.14.17007, year 2014. Construction Service Development Board (LPJK) as Environmental Engineer, membership number 1.5.501.3.102.04.1040089, and registered in ASTTATINDO no. 14.ASTTATINDO.14.17007, year 2014. Lecturers: Airport Engineering, Transportation, Risk Analyses, Construction Management, Cost Estimate, and Decision Support Systems. 	
1993-2018	 Managing of various Educational Institutions and Projects □ Dean of Engineering Faculty, University of Riau, Pekanbaru, Riau, Indonesia, 2017-up to now. □ Founder of Pondok Pesantren Khairul Ummah Foundation (Pembina Yayasan), Air Molek, Provinsi Riau, 2002 up to now. □ Head Office of Information Technology Unit (Kepala Pusat TI), Engineering Faculty, University of Riau, 2013-2014. □ Head Office of Computer Centre (Kepala Pusat Komputer), the University of Riau, 2006-2009. □ Vice Director of Global Development Learning Network (GDLN), University of Riau, 2005-2006. □ A Coordinator of the Indonesian Higher Education Networking (INHERENT) 	
	 the University of Riau, 2006-2009, under the Director General Higher Education of Indonesia Project. An assessor for the Development of International Airports in Indonesia under the Ministry of Environment of Indonesia, 2007-up to now. 	on
	□ etc.	

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	 2018, Developing An Integrated Early Warning and Quick Respond in Mitigating Peatfire Disaster (Peringatan Dini, Siaga Darurat Dan Respon Cepa Kebakaran Lahan Gambut Tropis Dalam Membentuk Desa Tangguh Bencan Kebakaran) in Indonesia. Financially Supported by the Directorate General Higher Education DIKTI. A research concerning Transportation Safety and Obstacle Limitation Surface (KKOP) Airport, 2002-2018. A Research concerning: Mitigating of Peatland Fires Disasters in DAS Siak, Riau Province, Financially Supported by the Directorate General Higher Education DIKTI (HIKOM Grants), 2015-2016 and Balitbangda, Riau Province, 2016. A Research concerning: Development of Early Warning Systems for Peat Forest based on Sensor and Electromagnetic Pulse, Financially support by Research and Development Board, Province of Riau, 2014. A Research of Mangrove Carbon Stocks in Indragiri Hilir, Indonesia, Financially support by Research and Development Board, Province of Riau, 2013. Research Grants Award from "Strategis Nasional-Stranas, 2009" concerning Mitigation of Rockfall Hazard Utilizing RHRS Methods", Directorate of Higher Education, Indonesia. Research Grants Award from "Hibah Kompetensi Proyek, 2010-2012" concerning Developing of Early Warning Systems to the Rockfall Risk Hazard Areas in Sumatra", Directorate of Higher Education, Indonesia. Research Grants Award from "A3 Project", Civil Engineering Department, Engineering Faculty, University of Riau, 2008. Sustainability of Urban Water Supply Schemes, financially supported from the Republic Indonesia Governments, and Korea.2012-2014.
	□ Etc.
1999-2018	Recent Publications: Combination of a Coastal Vulnerability Index (CVI) and social economic approaches in prioritizing the development of Riau Coastlines, Indonesia, Ari Sandhyavitri1, Ferry Fatnanta, Rizki Ramadhan Husaini, and Imam Suprayogi, MATEC Web of Conferences 276, 02006 (2019) https://doi.org/10.1051/matecconf /20192760 2006, ICAnCEE 2018 Mitigation of peat fires utilizing groundwater supply, Ari Sandhyavitri 1, Bambang Sujatmoko , Muhammad Yusa, and Vito Charly, MATEC Web of Conferences 276, 02006 (2019) https://doi.org/10.1051/matecconf /20192760 2006, ICAnCEE 2018 Green technology as a strategy in managing the black spots in Siak Highway, Indonesia, Sandhyavitri, A., Wira, J., Martin, A.2018, IOP Conference Series: Materials Science and Engineering The roles of weather modification technology in mitigation of the peat fires during a period of dry season in Bengkalis, Indonesia, Sandhyavitri, A., Perdana, M.A., Sutikno, S., Widodo, F.H. 2018, IOP Conference Series: Materials Science and Engineering Mapping and Simulating Watershed Performances Based on GIS, Remote Sensing, and SWAT, Universal Journal of Geoscience 6(1): 13-23, 2018 http://www.hrpub.org, DOI: 10.13189/ ujg.2018.060103, USA. Risk and Uncertainty in the Medan-Binjai Toll Road Infrastructure Project, Indonesia Based on the Stochastic Analyzes, EJERS, European Journal of Engineering Research and Science, Vol. 3, No. 6, June 2018 Use of Electrical Resistivity Test to Estimate Carbon Storage of Tropical Peat Deposit (Case Study of Bengkalis Island), International Conference on Advance Civil and Environmental Engineering (ICANCEE, 24-25 October, 2018, Sanur, Bali), Scopus Indexes. Early Warning Systems Using Fire Sensors, Wireless, and SMS Technology, ICONEEI, 16-17 October 2018, Batam, Scopus Indexes.

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- 1. Invited Speakers. Invited Speakers. the International Collaboration Conference on Engineering and Applied Science (ICCEAS 2018), 24-25 October 2018, Bali. Mitigation of Peat Fires Utilizing Groundwater Supply. Scopus Indexes.
- 2. General Lecture entitled Mitigating of Peat Land Fires di Faculty of Engineering, University of Yamaguchi, Japan, 06 November 2015.
- 3. Keynote speaker in the Annual Civil Engineering Seminar 21 November 2015, Pekanbaru, Pekanbaru.
- 4. Kolikium Mitigating of Peatland Fire Disaster, 22 Februari 2017, Civil Engineering Faculty, Universiti Technologi Malaysia, Johor, Malaysia.
- 5. Forum Group Discussion, Peat Fire Mitigation Measures, University of Indonesia, 2017.