

# SUTANTO TRIJUNI PUTRO



## CONTACT

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## NIDN

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198612062019031003

## BORN

Sleman, December 6<sup>th</sup>, 1986

## LANGUAGES

Bahasa  
Indonesia

95%

English

80%

## FORMAL EDUCATION

2010-2012	Master Program on Planning and Management of Coastal Area and Watershed. Faculty of Geography, Universitas Gadjah Mada
2005-2010	Department of Physics and Environmental Geography. Faculty of Geography. Universitas Gadjah Mada
2002-2005	High School. SMA N 5 Yogyakarta
1999-2002	Junior High School. SLTP N 5 Yogyakarta
1993-1999	Elementary School. SD N Serayu 1 Yogyakarta

## COURSE AND TRAINING

2013	Mike Software™ Training. Center for Water Resources Research and Development (PUSAIR). Ministry of Public Works. Bandung
2012	4 <sup>th</sup> International Training Course on Karst and Hydrogeochemistry. In Chongqing, China. International Research Center on Karst (IRCK) under the Auspices of UNESCO
2011-2012	Winter Semester. Technology and Resources Management in the Tropics and Subtropics, Cologne University of Applied Science, German. Under the program of Student Exchange. Funded by DAAD
2010	Participatory Mapping Course. Regional Development Department. Faculty of Geography. Universitas Gadjah Mada.
2008	The Forest for Rent Seminar. Campaign, Training, and Re-plantation of Mangrove to Save Teluk Awur, Jepara from Abrasion. Faculty of Fisheries and Marine Science, Universitas Diponegoro.

## WORK EXPERIENCE

03/2019 - Present	Lecturer Staff. Department of Geography Education. Faculty of Social Science. Universitas Negeri Yogyakarta.
09/2015 – 02/2019	Lecturer Staff. Department of Marine Engineering. Faculty of Technology and Natural Resources. Institut Teknologi Yogyakarta.

Research Staff. Center for Water Resources Research and Development (PUSAIR). Ministry of Public Works. Bandung.

Research Assistant. Faculty of Geography. Universitas Gadjah Mada

## RESEARCH EXPERIENCE

1. Carbonate Rock Dissolution Rate in Gunungsewu and Jnggrangan Karst. *Undergraduate Thesis*. (2009-2010)
2. Karst Hydrogeological Investigation in Bribin Catchment Area. Under “Integrated Water Resources Management Project (IWRM). Collaborative study between German Government (Karlsruhe Institute of Technology) and Indonesia Government (Faculty of Geography, Universitas Gadjah Mada). As surveyor, data analyst, and translator (2009-2012)
3. Karst Hydrogeology and Subsurface River System Investigation, Ajibarang. Banyumas. As Research Assistant, Field Coordinator, Surveyor, and Data Analyst (2012)
4. Karst Hydrogeology and Waterbalance Study for Integrat ef Water Resources Development and Management in Holcim Tuban Operating Site and its Adjacent Area. As, Research Assistant, Field Coordinator, Surveyor and Data Analyst. (2012-2013).
5. Karst Hydrogeology and Subsurface River System Investigation in Parts of Gunungsewu Karst Area in Wonogiri. As, Research Assistant, Field Coordinator, Surveyor, and Data Analyst (2012).
6. Analysis of Organic Carbon Flux in The Gilap Cave, Ponjong Sub- District, Gunung Kidul District, Yogyakarta, Indonesia, *Master Thesis* (2013)
7. Karst Hydrogeological Study in Karangbolong Karst. As, Research Assistant, Field Coordinator, Surveyor, and Data Analyst (2013).
8. Carbon Flux Characterization and Climate Change Reconstruction Based on Hydrological and Geomorphologic Signatures from Karst Environment. As: Researcher. Funded by Ministry of Higher Education (2010-2013).
9. Drought Controlling and Forecasting Study, Drought and Flood Map development in Pemai-Comal, Cengal-Batulicin, and Barito River Systems. As, Surveyor, GIS analyst, Cartographer, and Data Analyst. (2013).
10. Water Resource Potential for Domestic Water Provision Study. Case Study in Sumba Island, West Nusa Tenggara. As, Surveyor, GIS analyst, Cartographer, Data Analyst and Report Compiler. (2013-2014).
11. Water Resource Potential for Domestic Water Provision Study in Saumlaki and Adaut, Kabupaten Maluku Tenggara Barat. As, Surveyor, GIS analyst, Cartographer, Data Analyst and Report Compiler (2013-2014).
12. Drought Controlling and Forecasting Study, Drought and Flood Map development in Jratun-Seluna River System and Brantas Basin. As, Surveyor, GIS analyst, Cartographer, Data Analyst and Report Compiler (2014).
13. Fisherman Characteristics Study in Depok Coast DIY. Funded by Institut Teknologi Yogyakarta. (2015)
14. Integrated Food Sovereignty Thematic Mapping in Parts of Sumatra, Borneo, Celebes, and Moluccas. Geospatial Information Agency. As Experts. (2015)
15. Morphometry Mapping in Center Borneo Province. Geospatial Information Agency. As Team Leader (2016)

16. Land System Mapping in Central Borneo Province. Geospatial Information Agency. As Team Leader (2017)
17. Coastal Erosion Effect on Tourism Carrying Capacity in Kwaru Coast DIY. Hibah Dosen Pemula. Ministry of Higher Education. (2017)
18. Sand Dune Sediment Monitoring in Parangtritis. Hibah Dosen Pemula. Ministry of Higher Education (2018)

## **PUBLICATION EXPERIENCE**

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1. Atmospheric Carbon Dioxide Sequestration Through Karst Denudation Process: Preliminary Estimation from Gunung Sewu Karst. Achieving Resilient-Agriculture to Climate Change Through the Development of Climate-Based Risk Management Scheme. Bogor, Indonesia: PERHIMPI. (2009)
2. Disaster Potential in Karst Area. Case Study: Gunungsewu, Jonggrangan, and Gombang Karst Area, Java, Indonesia. Proceeding in Communicating Multi-Scientific Analyses on Disaster Risk Management International Seminar. (2013)
3. Karakteristik Nelayan di Pantai Depok DIY. Proceeding Semnaskan XII (2015)
4. The Nature of Carbon Flux in Gunungsewu Karst, Java, Indonesia. Acta Carsologica Vol 45 (II). DOI: <https://doi.org/10.3986/ac.v45i2.4541> (2016)
5. Klasifikasi Bentuklahan Secara Otomatis Menggunakan Topographic Position Index (TPI). Jurnal Geografi Volume 14 No 2. UNES. DOI: <https://doi.org/10.15294/jg.v14i2.11523> (2016)
6. Karst Morphology of Karangbolong Area, Java-Indonesia. Acta Carsologica Vol 46 (1). DOI: <https://doi.org/10.3986/ac.v46i1.3589> (2017)
7. Estimasi Potensi Sumberdaya Perikanan di Samudera Hindia Selatan Jawa. Proceeding in "Seminar Nasional Ke-3. Pengelolaan Pesisir dan Daerah Aliran Sungai" (2017)
8. Abrasi Pantai Kuwaru: Persepsi Wisatawan terhadap Ancaman Abrasi. Proceeding in "Seminar Nasional Ke-1. Magister Geografi Fakultas Geografi UGM". (2018)
9. Challenges in collecting primary data for environmental research purposes: a case study in Parangtritis sand dune, Yogyakarta. IOP Conf. Series: Earth and Environmental Science 243 (2019) 012004 .doi:10.1088/1755-1315/243/1/012004

## **COMMUNITY SERVICE EXPERIENCE**

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1. Expert in "Karst Material Preparation for School Handbook". BKSDA Yogyakarta (2015)
2. Disaster Disemination in Muhammadiyah Orphanage (2015)
3. Flood Mitigation Disemination in Gajah Wong River Bank in Papringan Village Community (2016)
4. Disemination on Organic Trash Conversion to Ethanol in Gajah Wong Riverbank Community in Gendeng, Baciro (2016)
5. Trainer in Geomorphological Mapping. Bandung (2016)
6. Experts in Gunungsewu Karst Fauna Inventory. BKSDA Yogyakarta (2016-2017)
7. Trainer in Geomorphological Mapping in Parangtritis Coastal Area (2017)
8. Karst Management Governor's Regulation Drafting. BLH Provinsi DIY (2015-2017)
9. Expert in Karst Workshop and FGD. BLH DIY (2016-2017)

## WORKSHOP/CONFERENCE

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1. Seminar Nasional Tahunan XII Hasil Penelitian Perikanan dan Kelautan. Universitas Gadjah Mada (2015)
2. Seminar Nasional Penanganan Degradasi Lahan. Intitut Teknologi Yogyakarta (2016)
3. Workshop Strategi Menghadapi Perubahan Iklim. Department of Environmental Engineering. Universitas Islam Indonesia (2017)
4. Seminar Nasional ke-3 Pengelolaan Pesisir dan DAS. Faculty of Geography. Universitas Gadjah Mada (2017)
5. Seminar nasional geografi. "Peran Geografi dalam Pengelolaan Sumerdaya". Faculty of Geography. Universitas Gadjah Mada (2017)
6. Workshop "Managemen Pengelolaan Terbitan Berkala Ilmiah FORPIMGEO dan IGI". Faculty of Geography. Universitas Muhammadiyah Surakarta. (2019)

Yogyakarta, July 19<sup>th</sup> 2019



Sutanto Trijuni Putro