

Name	Tommy Andryan Tivianton, S.Si., M.Sc.
Position	Lecturer in Faculty of Geography Universitas Gadjah Mada Speciality: Hydrology
Academic career	<ol style="list-style-type: none"> 1. <i>Graduate in Geography</i> (Universitas Gadjah Mada, 2010) 2. Undergraduate in Physical Geography and Environmental (Universitas Gadjah Mada, 2008)
Employment	-
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Development of Environmental Quality Index (Iklh) With Environmental and Climate Change Preparedness Perception Index (Ipkpl) in Education Service Environment (Post Grant Program UGM, 2013) 2. Local Climate Change Phenomenon And Land Use Change Implication On Flood Hydrograph In Das Progo (Faculty Grants, 2013) 3. Optimization of Progo Hulu River Water Availability with Rainwater Harvesting Method (RWH) (Faculty Grants, 2013) 4. Landuse Change Study on Environmental Quality Index in Progo Downstream Watershed (Faculty Grants, 2013) 5. Polluted Power Release of Pollutant Expense using Qual2Kw on Pollution Burden with Land Use Approach as Emission Factor (Case Study of Upstream Progo Watershed) (Faculty Grants, 2014) 6. BOD and COD Indicator as Pollution Emission Factor with Qual2kw Model for Polled Load Capacity Expense Approach (DTBP) and Pollution Load (BP) (Faculty Grants, 2014) 7. Prototype of Arduino-based Automatic Water Quality Monitoring Tool for River Quality Waters Observation in Urban River Segment (Faculty Grants, 2015) 8. Initiation of Community-Based Emergency Response System to Support Geowisata Management Special Interest In Tourism Object of Kalisuci Kecamatan Semanu, Gunungkidul Regency (TTG Grant, 2014) 9. Environmental Capacity Assessment and Environmental Capacity to Support the Anthropogenic Activity of Karst Watu Putih (Hibah Dosmud, 2015) 10. Creating Disaster Resilient Communities in Sustainable Management Based Disaster Management Through Early Warning System Initiation (EWS) At The Location of Srigethuk Waterfall (ESD Grant, 2015) 11. Detection of Salineization of Soil and Water of Coastal Agricultural Area with Vegetation Index (Faculty Grants, 2016)
Industry collaborations over the last 5 years	-
Patents and proprietary rights	-

<p>Important publications over the last 5 years</p>	<ol style="list-style-type: none"> 1. Widyastuti, M., Sudarmadji, Haryono, E., Tivianton, T.A., (2011) COP Modification for Groundwater Vulnerability to Contamination Assessment from Concentration of Flow Aspect: Bribin Catchment Area Case, Gunung Sewu Karst-Indonesia. Seminar Paper for Asian Trans-disciplinary Karst Conference 2011 January 7-10. Yogyakarta. Indonesia. 2. Tivianton, T.A., (2012) Hydrograph Analysis Flood Design With Landsat Image ETM + For Development of NDVI-SCS Overlays Rain Modeling On Scenario of Change of Land Use In Various Reality 3. Widyastuti, M., Tivianton, T.A., (2012) Integration of DRASTIC Model and Geographic Information System for the Study of Land Free Vulnerability against Pollution Post Merapi Eruption 2010 4. Tivianton, T.A., Munajad, R., Wijanarko (2013), Assets Estimation and Liaison of Water Resources with Water Balance Model and Geospatial Information System (GIS) Based on Physiographic Approach. 5. Darmanto, D., Tivianton, T.A., Setiawan, A., Antoro, M.D. (2013) Study of Landuse Change Against Environmental Quality Index in Das Progo Downstream 6. Suprayogi, S., Tivianton, T.A., Nurchayati, W., Mukarromah, D. (2013) The Spatial Relevance of the Environmental Quality Index With Student Knowledge for Environmental and Climate Change Preparedness 7. Ahmad Cahyadi, Muh Aris Marfai, Tommy Andryan T., Wulandari, Wahyu Hidayat (2013) Analysis of Spatial Distribution of Groundwater Salinity in Pramuka Island, Kepulauan Seribu, DKI Jakarta 8. Ahmad Cahyadi, Muh Aris Marfai, Tommy Andryan T., Wulandari, Wahyu Hidayat (2013) Saving the Future of Indonesia's Small Islands, A Learning From Pulau Pramuka, Kepulauan Seribu. 9. Tivianton, T.A., Werdiningsih (2014) Geophysical-Chemical Assessment in Early Culture of Road Construction (Long Nawang-Data Dian-Long Pujungan-Langap, Malinau District) 10. Tivianton, T.A., Sutari, C.A.T, Darajati, A. (2014) BOD and COD Indicator as Pollution Emission Factor with Qual2kw Model for Polluted Polling Capacity (DTBP) and Pollution Load (BP) Approach. 11. Tommy Andryan T., Ahmad Cahyadi (2014) Review: Eco-efficiency Integrated Water Resources Management (PSDAT) in the Era of the MDGs with SWOT method of Boyong-Code River Basin Ratio for Water Quality Class Improvement River 12. Tommy A.T., Muhaimin, Miranda A.Vivien U.E. (2015) Scenario Total Maximum Daily Polluted Expense with Qual2Kw for Determination of Pollution Loading Capacity (DTBP) in SubDAS Country. 13. Tommy A.T., Ahmad., M. Awaluddin, Muhaimin, Miranda A.Vivien U.E. (2015) The effectiveness of Swapurification of the Hyporheic Zone reduces the Total Maximum Daily Load (TMDL)
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	<p>from Anthropogenic Activities in SubDAS Country, Tapin District, South Kalimantan.</p> <p>14. Tommy Andryan T., Habibah Nurrohmah, Fajar Sugiarto (2015) Prototype of Arduino-based Automatic Water Quality Monitoring Tool for River Quality Waters Observation in Urban River Segment Area</p> <p>15. Tommy Andryan T., Giska Parwa M. Roza Oktama (2015) Ecological Footprint Anthropogenic Activity Karst Watu Putih Is Supporting Carrying Capacity and Environmental Capacity</p>
Activities in specialist bodies over the last 5 years	-