

## Curriculum Vitae

<b>Surname:</b>	Utomowati
<b>First Name:</b>	Rahning
<b>Date of Birth:</b>	November 14, 1967
<b>Academic Qualification:</b>	<ul style="list-style-type: none"> <li>• Master of Remote Sensing, Universitas Gadjah Mada</li> <li>• Bachelor of Cartography and Remote Sensing, Universitas Gadjah Mada</li> </ul>
<b>Venia Legendi (qualification to teach):</b>	Lecturer Certification Certificate Number: 12100102712206
<b>Further Qualifications:</b>	

<b>At the Higher Education Institution since:</b>	1999
<b>Level of Employment :</b>	Lecturer
<b>Teaching Focus:</b>	Technic Geography
<b>Interdisciplinary Aspects:</b>	
<b>Activities in the Areas:</b>	
- <b>Further Education</b>	
- <b>Research</b>	<p><b>Research</b></p> <ul style="list-style-type: none"> <li>- Spatial Patterns of Land Use and Land Cover and Their Effects on Environmental Ecosystem Services as the Basis for Sustainable Land Use Directions (Case Study of Samin Watershed) – 2nd Year (2022)</li> <li>- Data Analysis of Mount Gamalama Eruption in 1510 - 2018 as the Basis for Developing a Volcano Eruption Disaster Management Model in Small Island Areas (2022)</li> <li>- Community Resilience to Potential Megathrust Earthquake and Tsunami Disasters in Coastal Pacitan (2022)</li> <li>- Community Preparedness for Landslides Toward an Environmentally Friendly Village in Jlantah Hulu Das Karanganyar Regency (2022)</li> <li>- Utilization of Biopore in an Effort to Prevent Flood Hazard in the Implementation of Adiwiyata Program in Surakarta City (2022)</li> <li>- Spatial Patterns of Land Use and Land Cover and Their Effects on Environmental Ecosystem Services as the Basis for Sustainable Land Use Directions (Case Study of Samin Watershed) – 1st Year (2021)</li> <li>- Climate Change Adaptation and Mitigation Policy Based on Sensitivity Mapping of Food Insecurity Index (2021)</li> <li>- Assessment of Landslide Prone Area Function and Soil Erosion Hazard Level for Sustainable Agricultural Land Use Direction in Ngargoyoso District, Karanganyar Regency (2020)</li> </ul>



- Study of Flow Coefficient (Cook's Method) in Discharge Contribution as a Foundation for Spatial Planning Directions in the Samin Watershed (2020)
- Spatial Temporal Study of Changes in Land Support Capacity and its Effect on Agricultural Land Productivity and Food Self-Sufficiency Level in Sragen Regency 2007 - 2017 (2nd Year) (2019)
- Integrated Erosion, Flood, Sedimentation Control Model for Climate Change Mitigation in the Keduang Watershed (2019)
- Spatial and Temporal Study of Changes in Land Support Capacity and Its Effect on Agricultural Land Productivity and Food Self-Sufficiency Level in Sragen Regency 2007 - 2017 (1st Year) (2018)
- Integrated Erosion, Flood, Sedimentation Control Model for Climate Change Mitigation in Watersheds (2018)

### **Community Service**

- Megathrust and Tsunami Risk in Pacitan Regency and its Mitigation Efforts (2022)
- Environmental Education through the Biopori Movement in Increasing Environmental Awareness and Flood Disaster Mitigation (2022)
- Improving the Productivity and Marketing of Coffee at Bumi Makmur Farmer Group, Temboro Village, Karang Tengah Subdistrict, Wonogiri Regency (Member) (2021)
- Community Service Program Assistance for Sustainable Management of Independent Waste Bank in Mojosongo Village Surakarta (2020)
- Increasing the Capacity of MGMP Social Studies Teachers of Junior High Schools in Surakarta Municipality in Identifying the Distribution of Disaster Prone Areas through Disaster Applications on Natural Disaster Materials (Member) (2020)
- Maritime Learning and Teaching Media Development Workshop for Junior High School Teachers in MGMP Surakarta (Member) (2019)
- IbM Economic Improvement of Upper Bengawan Solo Watershed Communities through Diversification of Mango Fruit Processes in Wonogiri Regency (2016)
- Training on Geographic Information System (GIS)-based Thematic Map Making as Geography Learning Media for Junior High School Teachers in Surakarta City (2010)
- Training on Geographic Information System (GIS)-based Thematic Map Preparation as Geography Learning Media for Junior and Senior High School Teachers in Klaten Regency (2010)
- Becoming a Rich Teacher Through Contextual-based Innovative Learning for High School Teachers in Surakarta Region (2009)



<p>- Consultancy</p>	<ul style="list-style-type: none"> <li>- Utilization of GPS as Geography Teaching Media (Map Concept) for Junior and Senior High School Teachers in Boyolali Regency (2009)</li> <li>- Disaster Mitigation Training through Land Landslide Diorama Design for Geography Teachers in High Schools in Boyolali Regency (2009)</li> <li>- Utilization of Remote Sensing and Geographic Information System (GIS) for Geography Teaching Media for Junior and Senior High School Teachers in Boyolali Regency (2009)</li> </ul>
<p>How are personal research activities reflected in teaching activities?</p>	

<p>Work experience:</p> <ul style="list-style-type: none"> <li>- General</li> <li>- Activities as an Expert:</li> </ul>	
<p>Publications:</p>	<ul style="list-style-type: none"> <li>- Susilawati, S. A., Ibrahim, M. H., Kalsum, N., Musiyam, M., &amp; Noviani, R. (2023). Teachers Need Analysis: Development of the Urban Heat Island Module Based on a Contextual Approach. <i>Jurnal Pendidikan Geografi: Kajian, Teori, dan Praktek dalam Bidang Pendidikan dan Ilmu Geografi</i>, 28.</li> <li>- Nur Z.O, A., Muryani, C., Noviani, R., &amp; Ajar, S. B. (2022). Partisipasi Masyarakat Terhadap Upaya Penguatan Adaptasi Perubahan Iklim Dalam Pelaksanaan Program Kampung Iklim (PROKLIM) di RW 07 Kelurahan Ngadirejo, Kecamatan Kartasura, Kabupaten Sukoharjo. <i>Indonesian Journal of Environment and Disaster</i>, 1(1), 73–81.</li> <li>- Ainurrohmah, D., Yusup, Y., &amp; Noviani, R. (2022). Exploring actor-network and space–time production for social-ecological resilience: case study on mangrove conservation in the North Coast of Java, Indonesia. <i>GeoJournal</i> 88, 1639–1657.</li> <li>- Cahyono, H. W. H., Utomowati, R., &amp; Noviani, R. (2022). Daya Dukung Lahan dan Daya Dukung Permukiman dengan Pendekatan Kemampuan Lahan di Kecamatan Sragen dan Kecamatan Sambungmacan Kabupaten Sragen. <i>Jurnal Teknik Perencanaan Wilayah Dan Kota</i>, 11(3), 215–223.</li> <li>- Wijayanti, P., &amp; Noviani, R. (2021). Hydrogeochemical and groundwater aggressiveness assessment in the epikarst aquifer: a spatial and temporal analysis. <i>IOP Conference Series: Earth and Environmental Science</i>, 683.</li> <li>- Nur Z.O, A., Muryani, C., Noviani, R., &amp; Ajar, S. B. (2021). Persepsi Masyarakat Pada Pelaksanaan Program Kampung Iklim (PROKLIM) di Kelurahan Ngadirejo, Kecamatan</li> </ul>



	<p>Kartasura, Kabupaten Sukoharjo. <i>Geo Spatial Proceeding</i>, 61-67.</p> <ul style="list-style-type: none"> <li>- Noviani, R., Sarwono, Muryani, C., Ahmad, Prihadi, S., Sugiyanto, &amp; Wijayanti, P. (2021). Pemetaan Sekolah Siaga Bencana Sekolah Menengah Atas Kota Surakarta. <i>Geo Spatial Proceeding</i>, 134-142.</li> <li>- Iswanto, A. B., Sarwono, &amp; Noviani, R. (2020). Geographic rhythm study sculpture and carving art industry jepara district case study in mulyoharjo village. <i>GeoEco Journal</i>, 6(1), 28-40.</li> <li>- Wijayanti, P., &amp; Noviani, R. (2020). Disaster Threats in the Gunungsewu Karst Area and Mitigation Efforts in the Framework of Disaster Risk Reduction Review of the Hydrological and Geomorphological Aspects. <i>Social, Humanities, and Educational Studies (SHES): Conference Series</i>, 3(1), 285-291.</li> <li>- AAA</li> <li>- AAA</li> <li>- Widiyaningsih, M., Muryani, C., &amp; Utomowati, R. (2021). Analisis Perubahan Daya Dukung Sumberdaya Air Berdasarkan Ketersediaan dan Kebutuhan Air di DAS Gembong Tahun 2010-2020. <i>Jurnal Sumber daya Alam dan Lingkungan</i>, 8(2), 54-64.</li> <li>- Suryanto, Utomowati, R., Gravitiani, E., &amp; Rosalia, A. C. T. (2021). Hunger climate vulnerability index (HCVI) and macroeconomic indicators downstream of Bengawan Solo Watershed. <i>IOP Conf. Series: Earth and Environmental Science</i>, 824.</li> <li>- Utomowati, R., Ahmad, &amp; Suryanto. (2021). Utilization of Remote Sensing and Geographic Information System for Compiling of Agricultural Land Resource Database in Sragen Regency. <i>IOP Conf. Series: Earth and Environmental Science</i>, 683.</li> <li>- Adiastruti, A., Hartanto, H., &amp; Utomowati, R. (2019). Sasi and Its Relation to the Economic Development and Marine Preservation (Case Study: Raja Ampat). <i>Indonesian Journal of International Law</i>, 16(3), 307-322.</li> <li>- Muryani, C., Santoso, S., &amp; Utomowati, R. (2018). Potential Analysis and Development of Reservoir Water for Ecotourism at Gajah Mungkur Wonogiri. <i>IOP Conf. Series: Earth and Environmental Science</i>, 145.</li> <li>- Prabowo, S. F. D., Muryani, C., &amp; Utomowati, R. (2018). Utilization of Green Belts to Woodland Tourism in Support the Development of the Ecotourism at Serbaguna Wonogiri Dams. <i>IOP Conf. Series: Earth and Environmental Science</i>, 145.</li> </ul>
<b>Memberships:</b>	
<b>International experience through:</b>	
- <b>Management Activities</b>	



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- <b>Academic Activities</b>	
- <b>Personal Background/ Experience</b>	

<b>Other:</b>	
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