

BIODATA



I. Identitas Pribadi

Nama Lengkap	Dr. Nursida Arif, M.Sc
Jenis Kelamin	Perempuan
NIDN/NIDK	0931038501
Pangkat/Jabatan	Lektor
E-mail	nursida.arif@uny.ac.id
Nomor HP	081328554458
Alamat Kantor	Departemen Pendidikan Geografi, FIS UNY Jl. Colombo No.1 Karangmalang, Yogyakarta 55281
Mata Kuliah yang Diampu	<ol style="list-style-type: none"> 1. Penginderaan Jauh 2. Sistem Informasi Geografi 3. Penginderaan Jauh terapan 4. Sistem Informasi Geografi Terapan 5. Transformasi Digital 6. Geografi Virtual dan Komunikasi 7. Survey dan Pemetaan

II. Publikasi

No	Judul Artikel	Peran	Nama Jurnal, Volume, Nomor, P-ISSN/E-ISSN	Tahun Terbit	URL artikel
1	Capability Assessment of ALOS Data to Support Various Mapping Activities	Co-authors	Proceedings, JAXA	2012	https://www.researchgate.net/publication/236145031_Capability_Assessment_of_ALOS_data_to_Support_Various_Mapping_Activities
2	An Analyze of A Backpropagation Neural Network in The Identification of Critical Land Based On Alos Imagery	First-author	Proc. Int. Conf. on 34th Asian Conference on Remote Sensing 1, 589-593	2013	https://a-a-r-s.org/proceeding/ACRS2013/Abstracts/SC02/Abstract_ACRS2013_Nursida-Arif.pdf

3	Study on Experiments of Artificial Neural Network Using Spatial Data	First-author	J. IJETAE 4 (8), 732-736	2014	https://www.ijetae.com/Volum4Issue8.html
4	Estimasi Stok Karbon Hutan Mangrove Kawasan Segoroanal Pada Kawasan Taman Nasional Alas Purwo Banyuwangi	Co-author	Prosiding Simposium Nasional Geoinformasi IV : 665 - 661	2015	https://www.academia.edu/24656893/ESTIMASI_STOK_KARBON_HUTAN_MANGROVE_KAWASAN_SEGOROANAK_PADA_KAWASAN_TAMAN_NASIONAL_ALAS_PURWO_BANYUWANGI?auto=download
5	Penggunaan Metode Machine Learning untuk Pengenalan Pola Tutupan Lahan Pada Citra Satelit	First-author	SEMNASTEKNO MEDIA ONLINE 4 (1), 1-2-1	2016	https://ojs.amikom.ac.id/index.php/semnasteknomedia/article/view/2382/2203
6	Remote Sensing and GIS Approaches to A Qualitative Assessment of Soil Erosion Risk in Serang Watershed, Kulonprogo, Indonesia	First-author	Geoplanning: Journal of Geomatics and Planning 4 (2), 131-142	2017	https://ejournal.undip.ac.id/index.php/geoplanning/article/view/13443
7	Pemodelan Spasial Erosi Kualitatif Berbasis Raster, Studi Kasus di DAS Serang, Kabupaten Kulonprogo	First-author	Jurnal Ilmu Lingkungan, 15 (2) : 127 - 136	2017	https://ejournal.undip.ac.id/index.php/ilmulingkungan/article/view/16620
8	Analysis of Artificial Neural Network in Erosion Modeling: A Case Study of Serang Watershed	First-author	IOP Conference Series: Earth and Environmental Science 98 (1), 012027	2017	https://iopscience.iop.org/article/10.1088/1755-1315/98/1/012027/pdf
9	Estimating Poverty at The Provincial Level with Satelllite Data	First-author	The Seventh Research Dive on Artificial Intelligence and Machine Learning for Estimating Poverty	2018	https://www.unglobalpulse.org/wp-content/uploads/2023/12/Technical-Report-Research-Dive-7_AI-and-Machine-Learning-for-Estimating-Poverty_2018.pdf
10	The Effect of Land Surface Temperature and Land Use on Energy System Development in Gorontalo City	First-author	Journal of Physics: Conference Series 1179 (1), 012103	2019	https://scholar.ui.ac.id/en/publications/the-effect-of-land-surface-temperature-and-land-use-on-energy-sys
11	Erosion Prediction Model using Fractional Vegetation Cover	First-author	Indonesian Journal of Science and Technology 5 (1), 125-132	2020	https://ejournal.upi.edu/index.php/ijost/article/view/21060
12	Urban Energy Modeling using Remote Sensing Approaches	Corresponding author	International Journal of Geomate, Nov 2020, Vol.19,	2020	https://geomatejournal.com/geomate/article/view/1739

			Issue 75, pp.203-208		
13	Pembangunan android dalam menyokong pengajaran dan pembelajaran Geografi: Kajian kes GeoSudut (Android development in Supporting Geography teaching and learning: A case study of GeoSudut)	Co-author	Malaysian Journal of Society and Space, Vol 16, No 1 (2020)	2020	https://search.proquest.com/openview/1b272f9b0fb6c8fc62d4b5cf6f6016fa/1?pq-origsite=gscholar&cbl=4916363
14	Spatial Evolution of the River Valleys under the Influence of Active Volcano: A Case of Merapi Volcanic Plain	Co-author	Quaestiones Geographicae 40 (3), 45-64	2021	https://www.sciendo.com/article/10.2478/quageo-2021-0023
15	Image Pattern Recognition in Spatial Data using Artificial Neural Network	First-author	IOP Conference Series: Earth and Environment Science 884 (1), 012050	2021	https://iopscience.iop.org/article/10.1088/1755-1315/884/1/012050
16	Identification of Spatial Clusters of COVID-19 in Yogyakarta using Moran's Index	Co-authors	IOP Conference Series: Earth and Environmental Science 884 (1), 012058	2021	https://iopscience.iop.org/article/10.1088/1755-1315/884/1/012058
17	Spatial Analysis of Covid-19 Distribution: case studies in Indonesia and Malaysia	Co-authors	IOP Conference Series: Earth and Environmental Science 884 (1), 012059	2021	https://iopscience.iop.org/article/10.1088/1755-1315/884/1/012059/meta
18	Studi perbandingan sebaran spasial COVID-19 di Yogyakarta dan Gorontalo	First-author	Geomedia: Majalah Ilmiah dan Informasi Kegeografian 19 (1), 46-53	2021	https://journal.uny.ac.id/index.php/geomedia/article/view/40166
19	Spatial analysis of the urban physical vulnerability using remote sensing and geographic information systems (case study: Yogyakarta City)	First-author	IOP Conference Series: Earth and Environmental Science 986 (1), 012067	2022	https://journal.uny.ac.id/index.php/geomedia/article/view/40166
20	Land surface temperature (LST) and soil moisture index (SMI) to identify slope stability	Co-authors	IOP Conference Series: Earth and Environmental Science 986 (1), 012022	2022	https://iopscience.iop.org/article/10.1088/1755-1315/986/1/012022/meta
21	Spatial analysis of the urban physical vulnerability using remote sensing and geographic information systems (case study: Yogyakarta City)	First-author	IOP Conference Series: Earth and Environmental Science 986 (1), 012067	2022	https://iopscience.iop.org/article/10.1088/1755-1315/986/1/012067/meta

22	An Analyze of Urban Temperature Using Energy Balance Algorithm for Land (SEBAL) in Yogyakarta City	First-author	Journal of Tropical Soils 28 (1)	2022	https://journal.unila.ac.id/index.php/tropicalsoil/article/view/484
23	The Socio-economic and Geographic Related Factors Affecting Electricity Consumption in Urban Households: A Case Study of Kota Tengah, Gorontalo	First-author	Unima International Conference on Social Sciences and Humanities (UNICSSH)	2023	https://www.atlantispress.com/proceedings/unicssh-22/125984023
24	Upaya Pengelolaan Bantaran Sungai Berbasis Ecobehaviour	First author	Jurnal Masyarakat Mandiri Vol 7 (4), 3493-3502	2023	https://journal.ummat.ac.id/index.php/jmm/article/download/16097/pdf
25	Analysis of thermal comfort in urban area using Remote Sensing and Geographic Information System	First author	IOP Conference Series: Earth and Environmental Science 1190 (1), 012013	2023	https://iopscience.iop.org/article/10.1088/1755-1315/1190/1/012013/pdf
26	Upaya pengelolaan bantaran sungai berbasis ecobehaviour	First author	JMM (Jurnal Masyarakat Mandiri) 7 (4), 3493-3502	2023	https://journal.ummat.ac.id/index.php/jmm/article/download/16097/pdf
27	Distribution and Analysis of Responses to Extreme Weather Phenomena through Twitter	Co-author	International Journal of Disaster Management 6 (2), 237-250	2023	https://jurnal.usk.ac.id/IJDM/article/download/32251/pdf
28	Analysis of thermal comfort of settlements based on urban humidity index in Yogyakarta City	Co-author	IOP Conference Series: Earth and Environmental Science 1314 (1), 012025	2024	https://iopscience.iop.org/article/10.1088/1755-1315/1314/1/012025/pdf
29	Soil moisture mapping for drought monitoring in urban areas	First author	IOP Conference Series: Earth and Environmental Science 1314 (1), 012087	2024	https://iopscience.iop.org/article/10.1088/1755-1315/1314/1/012087/pdf
30	Empowering Youth for Sustainable Energy Consumption	First author	Journal of Renewable Energy, Electrical, and Computer Engineering 4 (1), 18-22	2024	https://ojs.unimal.ac.id/index.php/jreece/article/download/13652/6427
31	Using Artificial Neural Networks and Spectral Indices to Predict Water Availability in New Capital (IKN) and Its' Surroundings	First author	Journal of the Indian Society of Remote Sensing, 1-12	2024	https://link.springer.com/article/10.1007/s12524-024-01889-z

III. Perolehan KI

No	Judul KI	Tahun	Jenis KI	Nomor	Status KI (terdaftar/granted)
1	Integrasi Penginderaan Jauh Dan SIG Berbasis Jaringan Saraf Tiruan	2015	Hak Cipta	EC00201702173	Terdaftar

	Untuk Penyusunan Model Prediksi Erosi Kualitatif Di DAS Serang, Kulonprogo				
2	Kajian Kemampuan Jaringan Syaraf Tiruan Berbasis Citra ALOS Dalam Identifikasi Lahan Kritis (Studi Kasus: Kecamatan Dlingo Dan Sekitarnya)	2018	Hak Cipta	EC00201823803	Terdaftar
3	Peta Urban Heat Island	2020	Hak Cipta	EC00202150258	Terdaftar
4	Modul sistem informasi geografis	2021	Hak cipta	EC00202150565	Terdaftar
5	Modul Praktikum Penginderaan Jauh	2021	Hak cipta	EC00202173173	Terdaftar
6	Peta Kerentanan Fisik Kota Yogyakarta	2021	Hak cipta	EC00202170553	Terdaftar
7	Peta Kerentanan Sosial Kota Yogyakarta	2021	Hak cipta	EC00202176105	Terdaftar
8	Multimedia Pembelajaran Geo-Spin Tornado	2021	Hak Cipta	EC00202179823	Terdaftar
9	Peta Choropleth Kepadatan Penduduk Kota Yogyakarta Tahun 2021	2022	Hak cipta	EC00202232674	Terdaftar
10	Peta Titik Persebaran Pasien Positif Covid-19 Di Kabupaten Banyuasin Tahun 2022	2022	Hak cipta	EC00202267758	Terdaftar
11	Peta Temperatur Humidity Index	2022	Hak cipta	EC00202260758	Terdaftar
12	NO2 Concentration DKI Jakarta Time Series Chart Inspector	2022	Hak cipta	EC00202285189	Terdaftar
13	Website Fitness Tracker Berbasis Map		Hak cipta	EC00202253020	Terdaftar
14	Buku Panduan Website E-Tourism	2022	Hak cipta	EC00202260756	Terdaftar
15	Panduan Capacity Building	2022	Hak cipta	EC00202290913	Terdaftar
16	Panduan Community Based Tourism	2022	Hak cipta	EC00202290889	Terdaftar
17	Panduan Manajemen Acara	2022	Hak cipta	EC00202298578	Terdaftar
18	Buku Saku Resiliensi Bencana di Desa Wonolelo, Jawa Tengah	2023	Hak cipta	EC00202360296	Terdaftar
19	Modul Praktikum Sistem Informasi Geografis dan Analisis Geospasial	2023	Hak cipta	EC00202380076	Terdaftar
20	Buku saku Hemat Energi dan Konservasi Energi	2023	Hak cipta	EC00202360296	Terdaftar

IV. Riwayat Penelitian

No	Judul	Sumber Dana	Tahun	Dana Disetujui
1	Aplikasi Sistem Informasi Geografis Untuk Identifikasi Lahan Kritis Di Kecamatan Bukal Kabupaten Buol	DRPM Dikti	2013	15.000.000,-
2	Pemanfaatan Citra Penginderaan Jauh dan Sistem Informasi Geografis dalam Identifikasi Kerentanan Erosi Kualitatif Berbasis raster di DAS Serang, Kulonprogo, Yogyakarta	DRPM Dikti	2016	50.000.000,-

3	Modeling Energy Consumption in Gorontalo City using Geographic Information System	SHERA-USAID	2018	12.000.000,-
4	Model Spasial Energi Kota Berbasis Penginderaan Jauh dan Sistem Informasi Geografis	DIPA UNY	2020	24.000.000,-
5	Pemetaan Iklim dan Pengaruhnya Terhadap Penyebaran Corona Virus Disease-19 (COVID-19)	DIPA UNY	2020	20.000.000,-
6	Community Preparedness In Anticipating The Threat Of Flood: A Comparative Study Between Indonesia And Malaysia	DIPA UNY	2020	50.000.000,-
7	Analisis Nilai Kenyamanan Ruang Terbuka Hijau Berbasis Penginderaan Jauh Di Kota Yogyakarta	DIPA UNY	2021	18.000.000,-
8	Pemetaan Sosio-Spasial Kerentanan Bencana Kota (Studi Kasus di Kota Yogyakarta)	DIPA UNY	2021	20.000.000,-
9	E-Tourism: Prototype Digital Marketing Berbasis Teknologi Informasi sebagai Media Pemasaran Pariwisata	DIPA UNY	2022	50.000.000,-
10	The Influence of Religious Beliefs on Social Trust in ASEAN Countries	DIPA UNY	2022	50.000.000,-
11	Prototipe E-Sport: Fitness Tracker Berbasis Map Sebagai Sarana Recovery Physical Pasca Pandemi Covid-19 Di D.I. Yogyakarta	DIPA UNY	2022	20.000.000,-
12	Pengembangan Sustainable Tourism Berbasis Desa Wisata Melalui Kolaborasi Pentahelix Di Kalurahan Sriharjo, Kapanewon Imogiri, Kabupaten Bantul	Matching Fund-Kedaireka	2022	323.184.000,-
13	Model Resiliensi Bencana dalam Perspektif Sosio-Spasial	DIPA UNY	2023	50.000.000,-
14	Kualitas Lingkungan Permukiman Berbasis Penginderaan Jauh Dan Sistem Informasi Geografis	DIPA UNY	2023	40.000.000,-
15	Pemetaan Spasial Tingkat Resiliensi Masyarakat Terhadap Kerentanan Bencana Menggunakan Pendekatan Penginderaan Jauh dan Sistem Informasi Geografis	DRPM Dikti	2023	79.400.000,-
16	Analisis Kesesuaian antara Instrumen Asesmen Dengan Tujuan Pembelajaran Dalam Capaian Pembelajaran Geografi Pada Madrasah Piloting Kurikulum Merdeka Di Kabupaten Purworejo	DIPA UNY	2024	45.000.000,-
17	Kajian Ketersediaan Air di IKN Kalimantan Timur Berbasis Penginderaan Jauh Menggunakan Google Earth Engine GEE dan GIS	BRIN	2023	50.000.000,-
18	Investigasi perubahan iklim dan lingkungan untuk mendukung pembangunan wilayah berkelanjutan	BRIN	2023	50.000.000,-
19	Model Mitigasi Perubahan Iklim Berbasis Geospatial Artificial Intelligence (GeoAI) di DKI Jakarta	BRIN	2024	33.221.100,-

V. Riwayat Pengabdian

No	Judul	Sumber Dana	Tahun	Dana Disetujui
1	Sosialisasi Hidup Bersih dan Sehat dalam Upaya Penanggulangan Penyebaran Covid-19 di Pemukti Baru, Tlogo, Prambanan, Klaten	DIPA UNY	2020	4.500.000,-

2	Pelatihan Ragam Penilaian Hasil Belajar Geografi SMA Dalam Jaringan (Daring) bermuatan Critical Spatial Thinking (CST) dan Higher Order Thinking Skill (HOTS)	DIPA UNY	2020	15.000.000,-
4	Pelatihan Pengembangan Wisata Wonolelo Berbasis Desa Tangguh Bencana	DIPA UNY	2021	6.000.000,-
4	Pelatihan Penulisan Modul Materi-Materi Geografi Dalam Kurikulum Merdeka	DIPA UNY	2022	15.000.000,-
5	Sosialisasi Gym Fitness dalam rangka optimalisasi peluang usaha bagi penyandang disabilitas dalam rangka meningkatkan kesejahteraan keluarga	DIPA UNY	2022	12.500.000,-
6	Improving Energy Saving Awareness Among Youth in Indonesia and Nepal	DIPA UNY	2023	25.000.000,-
7	Upaya Pengelolaan Bantaran Sungai Winongo Kota Yogyakarta Berbasis Ecobehaviour	DIPA UNY	2023	15.000.000,-
8	Mitigasi Bencana Berbasis Masyarakat di Desa Wisata Pulesari, Wonokerto, Kecamatan Turi Kabupaten Sleman Yogyakarta	DIPA UNY	2023	10.000.000,-
9	Pelatihan dan Pengembangan Kelompok Sadar Wisata (Pokdarwis) Desa Tangguh Bencana: Desa Wonolelo, Kecamatan Sawangan, Kabupaten Magelang	DIPA UNY	2023	8.000.000,-
10	Pelatihan Asesment Pembelajaran Bagi Guru-Guru Geografi Di Kabupaten Temanggung	DIPA UNY	2023	15.000.000,-
11	Pengelolaan Sampah Organik Berbasis Masyarakat Di Kampung Tegalsari, Kota Yogyakarta	DIPA UNY	2024	20.000.000,-

VII. Rekognisi Lainnya

No	Rekognisi	Tahun
1	Hibah Magang Dosen Muda Kementerian Pendidikan Tinggi (DIKTI) di ITB	2013
2	Tim ahli penyusunan RPJMD Kabupaten Gorontalo	2019
3	Reviewer Journal ISPRS Photogrammetry and Remote Sensing	2019
4	Reviewer International Conference on Science and Technology UGM 2019	2019
5	Indonesian Journal of Geography	2020-present
6	Editor Jurnal Geomedia	2020-present
7	Reviewer Jurnal Informatika dan Teknologi Informasi	2020-present
8	Reviewer Jurnal Sains Informasi Geografi	2020-present
9	Reviewer Proposal Hibah BRIN	2023 – sekarang
10	Auditor Mutu Internal UNY	2022 – sekarang
11	Reviewer HKI UNY	2022-sekarang
12	Asesor BKD	2023-sekarang
13	Reviewer Heliyon	2024