

Dr. Anita Zaitunah, S.Hut., M.Sc.

Lecturer of Bachelor Degree of Forestry Study Program Study Program
Faculty of Forestry
Universitas Sumatera Utara

✉ anita@usu.ac.id

📍 Kampus 2 USU Bekala, Simalingkar A, Pancur Batu, Deli Serdang, 20353, Sumatera Utara, Indonesia

🌐 fhut.usu.ac.id/en/lecturer/anita-zaitunah

Anita Zaitunah was born in Bogor, West Java, on August 30, 1973, as the fourth child among six siblings. Currently, she is a mother of two children. Her educational journey began with a Bachelor's degree (S.Hut) from the Faculty of Forestry at IPB University in 1997. She pursued her Master of Science (M.Sc) at the Faculty of Geo-Information Science and Earth Observation, specializing in Forestry for Sustainable Development at the University of Twente, The Netherlands, in 2004. She completed her Doctoral degree (Dr) in Forestry Science at IPB University in 2012. During her master's and doctoral studies, she received scholarships from The Netherlands Fellowship Program (NFP) and the Postgraduate Education Scholarship (BPPS) from the Ministry of Education and Culture of Indonesia.

Since 1999, Dr. Anita Zaitunah has been working as a lecturer and researcher at the USU Faculty of Forestry Undergraduate Program in Forestry. From 2021 to 2026, she serves as the Head of the Forest Management Laboratory at the USU Faculty of Forestry Undergraduate Program in Forestry. As a lecturer, she actively engages in the Triple Mission of Higher Education, involving education, research, and community service through various activities. Supporting activities include serving as a Judge for Outstanding Students at USU, Coordinator of the Community Service Program (PKM) Corner at the Faculty of Forestry, and Chair of the Scientific Cluster "Land Management for Climate Change Adaptation," involving faculty members from USU and colleagues from IPB University, Universitas Mulawarman, Radboud University the Netherlands, and Leibniz Hannover University Germany.

Her expertise lies in remote sensing, geographic information systems, and forest management, applied through research works, publications, books, and dissemination in national and international seminars. She has received several awards throughout her career, including the Satyalancana Karya Satya XX from the President of Indonesia (2023) and the Best Advisor 2 at USU (2023).

She is currently a member of various scientific organizations, professional associations, hobbyist organizations, and social organizations, such as the Indonesian Forest Management Community, the Remote Sensing Experts Society, Pusaka JATI, and the Indonesian Lecturers Association. Dr. Anita has also initiated international collaborations since 2004 by conducting guest lectures with foreign guest lecturers and participating in guest lectures in Remote Sensing and Geographic Information System courses. Other collaborative activities include serving as a supervising lecturer for the Living Lab - Nuffic Southeast Asia in 2023, participating in a study visit to Germany with funding from DAAD Germany and USU in 2023, conducting activities at Humboldt Berlin University, Leibniz Hannover University, and Goethe Frankfurt University.

For more detailed information, her profile can be explored on the official USU directory website or through public profiles on Google Scholar, Scopus, Web of Science, ORCID, ResearchGate, and Sinta. Personal correspondence can be made via email at anita@usu.ac.id.

Publications

2026

Jurnal internasional bereputasi

Estimating mangrove aboveground biomass using Sentinel-2A Vegetation Indices in a tropical coastal ecosystem on the east coast of North Sumatra, Indonesia

SAMSURI , ANITA ZAITUNAH , YOHANES BUDI SULISTIOADI , D. Ary Samsura , SUGENG BUDIHARTA

2026

Jurnal internasional bereputasi

Mangrove Cover and Shoreline Changes Detection using Multi-Temporal Landsat Imagery and Digital Shoreline Analysis System (DSAS) in Labuhanbatu Regency, Indonesia

SAMSURI , ANITA ZAITUNAH , DURYAT , YOHANES BUDI SULISTIOADI

2026

Jurnal internasional bereputasi

Mangrove Cover and Shoreline Changes Detection using Multi-Temporal Landsat Imagery and Digital Shoreline Analysis System (DSAS) in Labuhanbatu Regency, Indonesia

SAMSURI , YOHANES BUDI SULISTIOADI , ANITA ZAITUNAH , DURYAT

2025

Jurnal internasional bereputasi

Land cover change and ethnoecological practices in Forest Management Unit XXV, North Sumatra, Indonesia

SAMSURI , ANITA ZAITUNAH , Datuk Ary Andriansyah Samsura

2025

Jurnal internasional bereputasi

Ethnobotanical study of sikkam (*Bischofia javanica*) in Simalungun District, North Sumatra, Indonesia

RIDAHATI RAMBEY , ANITA ZAITUNAH

2025

Prosiding seminar internasional

Sustainable Forest Management Practices in Indonesia-Role of GIS: A Literature Review

SITI LATIFAH , ANITA ZAITUNAH , ZHRUL ULUM

2025

Jurnal nasional terakreditasi

Community Satisfaction Analysis in Mangrove Forests Management in the Unit X KPHL Batu Bara Using Importance Performance Analysis

ORANG KAYA HASNANDA SYAHPUTRA , EVA MARIA NATALINA GINTING , ANITA ZAITUNAH

2024

Jurnal nasional

Analisis Kepuasan Masyarakat dalam Pengelolaan Hutan Mangrove pada Unit X KPHL Batu Bara menggunakan Importance Performance Analysis

ANITA ZAITUNAH , EVA MARIA NATALINA GINTING , ORANG KAYA HASNANDA SYAHPUTRA

2024

Artikel ilmiah

Sustainable Forest management Practise in Indonesia Role of GIS: A literatur review

ANITA ZAITUNAH , SITI LATIFAH

2024

Jurnal internasional bereputasi

The Human and Tapanuli Orangutan (*Pongo tapanuliensis*) Conflict in the Tropical Mountain Rainforest Ecosystem, Indonesia

SAMSURI , ANITA ZAITUNAH , Wanda Kuswanda

2023

Jurnal internasional bereputasi

Biophysical and anthropogenic factors affecting human and Tapanuli orangutan (*Pongo tapanuliensis*) conflict in Sumatran tropical rain forest, Indonesia

SAMSURI , ANITA ZAITUNAH , Wanda Kuswanda

2023

Jurnal internasional bereputasi

Biophysical and anthropogenic factors affecting human and Tapanuli orangutan (*Pongo tapanuliensis*) conflict in Sumatran tropical rain forest, Indonesia

SAMSURI , ANITA ZAITUNAH , Wanda Kuswanda

2023

Jurnal nasional

Analysis of tree quality on the green line using google earth in Tanjung Morawa District, Deli Serdang Regency

ALFAN GUNAWAN AHMAD , SAMSURI , ANITA ZAITUNAH

2023

Jurnal nasional

Analysis of the Tapanuli orangutan (*Pongo tapanuliensis*) population in other land use areas, Arse sub-district, South Tapanuli Regency

SAMSURI , ANITA ZAITUNAH

2022

Prosiding seminar internasional

The effect of skidding by excavator on soil compaction in the industrial plantation forest of PT Toba Pulp Lestari, North Sumatra, Indonesia

ASMARLAILI SAHAR , MUHDI , ANITA ZAITUNAH , DIANA SOFIA HANAFIAH

2022

Prosiding seminar internasional

The effect of skidding by excavator on soil compaction in the industrial plantation forest of PT Toba Pulp Lestari, North Sumatra, Indonesia

MUHDI , ASMARLAILI SAHAR , DIANA SOFIA HANAFIAH , ANITA ZAITUNAH

2022

Prosiding seminar internasional

Analysis of the species and derived bamboo (*Bambuceae*) product in Berastagi, Kabanjahe and Tiga Panah of Karo District, North Sumatra

ANITA ZAITUNAH , SAMSURI

2022

Prosiding seminar internasional

Lands Cover Dynamics of Siais Lake Catchment Area, Tapanuli Selatan District, Indonesia

ALFAN GUNAWAN AHMAD , ANITA ZAITUNAH , SAMSURI

2022

Prosiding seminar internasional

Shade tree pattern of highland coffee plantation and coffee production in Aceh Tengah, Indonesia

SAMSURI , ANITA ZAITUNAH , ALFAN GUNAWAN AHMAD

2022

Jurnal internasional bereputasi

Urban Greening Effect on Land Surface Temperature

ANITA ZAITUNAH , SAMSURI

2022

Jurnal nasional terakreditasi

Mapping Land Cover and Vegetation Detection in Urban Areas

SAMSURI , ANITA ZAITUNAH

2022

Jurnal nasional terakreditasi

Mapping land cover and vegetation detection in urban areas

SAMSURI , ANITA ZAITUNAH , LAILAN SYAUFINA

2022

Prosiding seminar internasional

Application of analytical hierarchy process in implementation of community forest management permit work plan

ANITA ZAITUNAH , RAHMAWATY

2021

Prosiding seminar internasional

Vegetation distribution analysis of green open space in Binjai Timur, North Sumatera Province using normalized difference vegetation index

SAMSURI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

Evaluation of work plan implementation of community forest management business license case study in Karya Lestari farmers group, Sibaganding Village, Girsang Sipangan Bolon Sub-district, Simalungun Regency

ANITA ZAITUNAH , RAHMAWATY

2021

Jurnal internasional bereputasi

Floristic composition and diversity at Keruing (Dipterocarpus spp.) habitat in Tangkahan, Gunung Leuser National Park, Indonesia

ANITA ZAITUNAH , DENI ELFIATI , ARIDA SUSILOWATI

2021

Prosiding seminar internasional

Vegetation density analysis using normalized difference vegetation index in East Jakarta, Indonesia

ANITA ZAITUNAH , RIDAHATI RAMBEY

2021

Jurnal nasional terakreditasi

Fragmentation Typology of Sumatran Tropical Lowland Forest, Labuhanbatu Selatan - Indonesia

ALFAN GUNAWAN AHMAD , SAMSURI , ANITA ZAITUNAH

2021

Prosiding seminar internasional

Analysis of agroforestry tree species composition and coffee cultivation production tropical highlands, Aceh Tengah - Indonesia

SAMSURI , ANITA ZAITUNAH , ALFAN GUNAWAN AHMAD

2021

Prosiding seminar internasional

Green open space analysis in West Binjai, North Sumatra

RIDAHATI RAMBEY , SAMSURI , ANITA ZAITUNAH , ARIDA SUSILOWATI , DENI ELFIATI , ORANG KAYA HASNANDA SYAHPUTRA

2021

Jurnal nasional terakreditasi

ANALISIS KEBUTUHAN RUANG TERBUKA HIJAU: PENDEKATAN KEBUTUHAN OKSIGEN: Green Open Space Analysis, Oxygen Requirement Approached in Medan Baru City

SAMSURI , ANITA ZAITUNAH

2021

Jurnal internasional bereputasi

Mapping and assessment of vegetation cover change and species variation in Medan, North Sumatra

ANITA ZAITUNAH

2021

Prosiding seminar internasional

The damage profile of kerai payung (Filicium desipiens) in University of Sumatera Utara green space based on Forest Health Monitoring (FHM) method

SAMSURI , ARIDA SUSILOWATI , ALFAN GUNAWAN AHMAD , APRI HERI ISWANTO , ANITA ZAITUNAH , FIFI GUS DWIYANTI

2021

Jurnal internasional bereputasi

Vegetation structure of sumatran orangutan (Pongo abelii) habitat in north sumatra, indonesia

ANITA ZAITUNAH

2019

Jurnal internasional bereputasi

Evaluation of plant species suitability for lowland forest landscape restoration in Lengan watersheds, Langkat district, north Sumatra, Indonesia

ALFAN GUNAWAN AHMAD , ANITA ZAITUNAH , SAMSURI

2019

Prosiding seminar internasional

Landcover change analysis of besitang watershed, Langkat-North Sumatera

SAMSURI , ANITA ZAITUNAH

2018

Prosiding seminar internasional

Normalized difference vegetation index (ndvi) analysis for land cover types using landsat 8 oli in besitang watershed, Indonesia

ANITA ZAITUNAH , SAMSURI

Researches

2024

Penelitian Tim Pasca Sarjana

MONITORING PENGELOLAAN HUTAN INKLUSIF DAN BERKELANJUTAN BERBASIS WEBGIS SEBAGAI PENGAWASAN TERSENTRALISASI

ANITA ZAITUNAH , SITI LATIFAH

2024

Penelitian Fundamental

Analisis Dampak Pertumbuhan Penduduk dan Perubahan Tutupan Lahan terhadap Variasi Suhu Permukaan di Kota Medan dan Binja

ANITA ZAITUNAH

2024

Analisis Dampak Pertumbuhan Penduduk dan Perubahan Tutupan Lahan terhadap Variasi Suhu Permukaan di Kota Medan dan Binjai

ANITA ZAITUNAH , NELLY ANNA

2023

Perspektif Teknologi terhadap Ruang Hijau Perkotaan: Menilai Peran Taman di Kota

MARIAH ULFA , ANITA ZAITUNAH

2023

MODEL PENGELOLAAN HUTAN TROPIS SUMATERA BERBASIS LANSKAP DAN KEARIFAN LOCAL MASYARAKAT

SAMSURI , ANITA ZAITUNAH

2022

Penelitian Kerjasama Antar Perguruan Tinggi

Perubahan garis pantai dan perubahan ekosistem hutan mangrove alami tersisa di Labuhanbatu

SAMSURI , ANITA ZAITUNAH

2022

Penelitian Unggulan Perguruan Tinggi

Standing stock dan sebaran spasial potensi bambu Sumatera Utara

SAMSURI , ANITA ZAITUNAH

Intellectual Property Rights

2021

Hak cipta nasional

Perencanaan Restorasi Lanskap Hutan Tropis

2021
Hak cipta nasional

Pengantar Analisis Digital, Perspektif Pengelolaan Sumberdaya Alam

SAMSURI , ANITA ZAITUNAH

2021
Hak cipta nasional

Pengantar Analisis Digital, Perspektif Pengelolaan Sumberdaya Alam

ANITA ZAITUNAH , SAMSURI