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Ika Puji Hastuty S.T., M.T., born in Kw.Bingai / Langkat on August 07, 1977, is a Civil lecturer at the Universitas Sumatera Utara. She completed her master's degree in Civil Engineering at the Universitas Sumatera Utara in 2003.

Publications

2026

Prosiding seminar internasional

GIS-based landslide risk assessment in Karo Regency, North Sumatera, Indonesia

IKA PUJI HASTUTY , FAUZIAH AHMAD

2026

Jurnal internasional bereputasi

Geospatial modeling-based assessment of landslide hazards along the Medan-Berastagi Route, North Sumatra

IKA PUJI HASTUTY , AHMAD PERWIRA MULIA TARIGAN , FAUZIAH AHMAD

2025

Jurnal internasional bereputasi

Integrating GIS within the regulatory framework for mapping human-induced landslide hazards in Central Aceh, Indonesia

IKA PUJI HASTUTY , AHMAD PERWIRA MULIA TARIGAN , FAUZIAH AHMAD

2025

Jurnal internasional bereputasi

Integrating GIS within the regulatory framework for mapping human-induced landslide hazards in Central Aceh, Indonesia

AHMAD PERWIRA MULIA TARIGAN , IKA PUJI HASTUTY , FAUZIAH AHMAD

2024

Jurnal nasional

The Effect Of Clam Shell Powder And Fly Ash as Clay Stabilizier on California Bearing Ratio (CBR) And Unconfined Compression Test (UCT)

IKA PUJI HASTUTY , DERRY WILYANDA NASUTION

2024

Artikel ilmiah

Reading indigenous signs: The wisdom of nagari communities toward natural disaster in Pasaman Barat

IKA PUJI HASTUTY

2024

Artikel ilmiah

Landslide Analysis Using Geographic Information System (GIS) in South Tapanuli Regency

FAUZIAH AHMAD , IKA PUJI HASTUTY

2024
Book chapter internasional

Landslide Analysis Using Geographic Information System (GIS) in South Tapanuli Regency

IKA PUJI HASTUTY

2024
Book chapter internasional

Geo-Sustainnovation for Resilient Society

IKA PUJI HASTUTY , Fauziah Ahmad

2023
Jurnal nasional

Stabilisasi Tanah Lempung Menggunakan Palm Oil Fuel Ash (POFA) dan 20% Kapur Dolomit (CaMg(CO₃)₂) Ditinjau dari CBR dan Kuat Tekan Bebas

DERRY WILIYANDA NASUTION , SELFIE ANISA , IKA PUJI HASTUTY

2023
Jurnal nasional

Pengaruh Penambahan Abu Tandan Sawit dan 12% Serbuk Cangkang Telur Terhadap Stabilisasi Tanah Lempung Ditinjau Dari Nilai CBR dan UCT

MUTHIAH PUTRILAN SYAMNAH HARAHAP , DERRY WILIYANDA NASUTION , IKA PUJI HASTUTY

2023
Book chapter internasional

Smart Geotechnics for Smart Societies

IKA PUJI HASTUTY , FAUZIAH AHMAD

2023
Prosiding seminar internasional

Identification of slope angle along Medan-Berastagi road using geographic information system (GIS)

IKA PUJI HASTUTY , M RIDWAN ANAS , FAUZIAH AHMAD

2023
Prosiding seminar internasional

Direct user benefit of Medan-Binjai toll road based on vehicle operating cost

M RIDWAN ANAS , DERRY WILIYANDA NASUTION , IKA PUJI HASTUTY

2023
Prosiding seminar internasional

Identification of Slope Angle Along Medan-Berastagi Road Using Geographic Information System (GIS)

IKA PUJI HASTUTY , M RIDWAN ANAS

2023
Prosiding seminar internasional

Landslide susceptibility analysis using geographic information systems (GIS) in Sibolangit district based on natural factors

IKA PUJI HASTUTY , M RIDWAN ANAS , SUCI AMALIA

2023
Prosiding seminar internasional

Landslide susceptibility analysis using geographic information systems (GIS) in Sibolangit district based on natural factors

IKA PUJI HASTUTY , M RIDWAN ANAS

2023
Prosiding seminar internasional

Utilization of Sinabung volcanic ash and lime as cement substitution materials in paving block manufacturer

M RIDWAN ANAS , IRWAN SURANTA SEMBIRING , IKA PUJI HASTUTY

2022
Prosiding seminar internasional

An overview of inland freight transportation in Indonesia based on vehicle

operating cost

MEDIS SEJAHTERA SURBAKTI , M RIDWAN ANAS , IKA PUJI HASTUTY

2022

Prosiding seminar internasional

An overview of inland freight transportation in Indonesia based on vehicle operating cost

IKA PUJI HASTUTY , M RIDWAN ANAS , MEDIS SEJAHTERA SURBAKTI

2020

Prosiding seminar internasional

Analysis of landslide vulnerability in Sibolangit area using Geographic Information System (GIS)

IKA PUJI HASTUTY

2019

Jurnal internasional bereputasi

The comparison of adding fly ash and Sinabung ash to limestone towards the soil improvement via CBR value

IKA PUJI HASTUTY

2019

Jurnal nasional terakreditasi

Comparison of the Use of Cement, Gypsum, and Limestone on the Improvement of Clay Through Unconfined Compression Test

IKA PUJI HASTUTY

2018

Jurnal internasional bereputasi

Feasibility study on intersection in North Sumatera

ADINA SARI LUBIS , IRWAN SURANTA SEMBIRING , IKA PUJI HASTUTY , M RIDWAN ANAS

2018

Prosiding seminar internasional

Clay stabilization by using gypsum and paddy husk ash with reference to UCT and CBR value

IKA PUJI HASTUTY

2018

Prosiding seminar internasional

Analysis of the soil reinforcement by using geotextile on the pile of Medan - Kualanamu of highway project (STA 35 + 901) with the finite element method

IKA PUJI HASTUTY

2018

Prosiding seminar internasional

The decline of soil due to the pile of highway project Medan-Kualanamu (STA 35 + 901) with the finite element method

IKA PUJI HASTUTY

2017

Prosiding seminar internasional

The influence of using quicklime and volcanic ash as stabilizing materials in clay viewed from CBR value

IKA PUJI HASTUTY

Researches

2025

Ipteks

PENGAMBILAN DATA LAPANGAN DAERAH PERHATIAN KHUSUS DI WILAYAH DIVRE I SUMATERA UTARA

ROBI ARIANTA SEMBIRING , IKA PUJI HASTUTY

2025

Ipteks Bagi Inovasi Kreativitas Kampus

MODEL SISTEM DINAMIK TERHADAP KEBIJAKAN TARIF TOL

IKA PUJI HASTUTY

2025

Penelitian Fundamental

MODEL SISTEM DINAMIK TERHADAP KEBIJAKAN TARIF TOL

M RIDWAN ANAS , DERRY WILIYANDA NASUTION , IKA PUJI HASTUTY , FARIDSYAH LUTHFI SIREGAR

2024

Penelitian Dosen Pemula

ANALISIS PERBAIKAN TANAH PADA PERENCANAAN JALAN REL DI JALUR KERETA API LABUAN-BELAWAN GUNA MENGATASI MASALAH KONSOLIDASI

TITI HAYATI , FATIMAH INSANI HARAHAP , NURSYAMSI , IKA PUJI HASTUTY

2024

Penelitian Dana Lokal Perguruan Tinggi

HUBUNGAN ANTARA VARIASI TARIF TOL DENGAN VOLUME LALULINTAS DAN TINGKAT PENDAPATAN

M RIDWAN ANAS , INDRA JAYA , IKA PUJI HASTUTY

2023

Penelitian Kerjasama Antar Perguruan Tinggi

Model Pengurangan Risiko Bencana Gempabumi Berbasis Teknologi Geofisika Dan Kearifan Lokal Di Pasaman Barat

NOPRIYASMAN , AHMAD FAUZI , IKA PUJI HASTUTY

2023

Model Pengurangan Risiko Bencana Gempabumi Berbasis Teknologi Geofisika Dan Kearifan Lokal Di Di Pasaman Barat

NOPRIYASMAN , AHMAD FAUZI , IKA PUJI HASTUTY

2023

Penelitian Dana Lokal Perguruan Tinggi

LIGHT TRANSMISSION CONCRETE PADA GREEN BUILDING DENGAN PLASTIC OPTIC FIBER SEBAGAI MEDIA TRANSMISI CAHAYA

GEA GEBY AURORA SYAFRIDON , MUTHIAH PUTRILAN SYAMNAH HARAHAP , NURSYAMSI , IKA PUJI HASTUTY

2021

Penelitian Dana Lokal Perguruan Tinggi

Sistem Informasi Infrastruktur Transportasi dan Asset Management (Studi Kasus Kampus USU)

M RIDWAN ANAS , REZKY ARIESSA DEWI , IKA PUJI HASTUTY

2020

Penelitian Dana Lokal Perguruan Tinggi

Analisa Pemetaan Longsor di Kabupaten Karo menggunakan Sistem Informasi Geografis

M RIDWAN ANAS , IKA PUJI HASTUTY

2020

Penelitian Unggulan Perguruan Tinggi

PENGARUH INVESTASI INFRASTRUKTUR JALAN TOL BINJAI-MEDAN-TEBING TINGGI TERHADAP AKSESIBILITAS WILAYAH DAN BIAYA TRANSPORTASI

M RIDWAN ANAS , IKA PUJI HASTUTY

2019

Penelitian Dana Lokal Perguruan Tinggi

Pemetaan Daerah Rawan Longsor (Landslide) dengan program SIG (Sistem Informasi Geografis) daerah kabupaten Sibolangit

IKA PUJI HASTUTY

2017
Penelitian Hibah Bersaing

Pemanfaatan abu Gunung Sinabung dan kapur sebagai bahan campuran pembuatan paving block

IRWAN SURANTA SEMBIRING , NURSYAMSI , IKA PUJI HASTUTY

2017
Penelitian Dana Lokal Perguruan Tinggi

Studi Perlintasan Sebidang Jalan Rel dengan Jalan Raya di Sumatera Utara

ADINA SARI LUBIS , IRWAN SURANTA SEMBIRING , IKA PUJI HASTUTY

2016
Penelitian Unggulan Perguruan Tinggi

Pemanfaatan abu Gunung Sinabung dan sekam padi sebagai bahan stabilisator pada lempung dengan UCT dan CBR

IRWAN SURANTA SEMBIRING , IKA PUJI HASTUTY

2016
Penelitian Hibah Bersaing

Pemanfaatan abu Gunung Sinabung sebagai bahan campuran pembuatan paving block

IRWAN SURANTA SEMBIRING , IKA PUJI HASTUTY

Community Services

2024

Usulan Rencana Jalan Masuk di Lahan Baru Guna Memaksimalkan Penempatan Bangunan Pondok Pesantren

NISMAH PANJAITAN , REZKY ARIESSA DEWI , NURSYAMSI , IKA PUJI HASTUTY

2022
Ipteks

Desa Binaan Fakultas Teknik Universitas Sumatera Utara

ROBI ARIANTA SEMBIRING , IKA PUJI HASTUTY

2022
Ipteks

Pembuatan Resapan Biopori (LRB) untuk meningkatkan kualitas Lingkungan di SMAN 1 plus Matauli Pandan Tapteng

ADINA SARI LUBIS , NISMAH PANJAITAN , ROBI ARIANTA SEMBIRING , DERRY WILYANDA NASUTION , IKA PUJI HASTUTY