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Irwan Suranta Sembiring S.T., M.T. dilahirkan di Medan pada tanggal 09 April 1979 merupakan seorang dosen Sipil di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya yakni S2 Teknik Sipil di USU pada tahun 2008.

Publications

2026

Prosiding seminar internasional

Sinabung Volcanic Ash Utilization As The Additive for Paving Block Quality A and B

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

Evaluation of toll rates based on ATP/WTP and BKBOOK case studies: Medan-Binjai and Medan-Tebing Tinggi toll roads

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

The utilization of volcanic ash and high Rusk ash as material stabilization in clay by unconfined compression test (UCT) and California bearing ratio (CBR)

IRWAN SURANTA SEMBIRING

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

2019

Prosiding seminar internasional

Study of container truck movement in Tanjung Priok Port, Jakarta-Indonesia

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2026

Prosiding seminar internasional

The Effect of the Placement of the Roughometer III Sensor on the Result of the IRI Values on National Roads

IRWAN SURANTA SEMBIRING

2022

Jurnal internasional bereputasi

An Evaluating of the Broader Economic Benefit of the Medan-Binjai Toll road on National Highway

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2026

Prosiding seminar internasional

Comparison of compressive strength of paving block with a mixture of Sinabung ash and paving block with a mixture of lime

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

The economic benefit of toll road investment on the performance of the industry sectors in West Java Province

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

Measuring regional cohesion effects of new toll roads investments: an accessibility approach

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

Evaluation of paratransit performance as public transport in Medan City

IRWAN SURANTA SEMBIRING

2023

Prosiding seminar internasional

Mapping the overlapping paratransit route in Medan City using GIS

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

A study of container truck movement in Tanjung Priok port, Jakarta, Indonesia

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

GIS for USU campus transportation asset management

IRWAN SURANTA SEMBIRING

2026

Jurnal internasional bereputasi

Study of determining the toll fare for the Yogyakarta-Solo corridor

IRWAN SURANTA SEMBIRING

2026

Prosiding seminar internasional

Passenger car equivalents of becak bermotor at road segment in Medan

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Researches

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

2017

Penelitian Hibah Bersaing

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

IRWAN SURANTA SEMBIRING , NURSYAMSI , IKA PUJI HASTUTY

2016

Penelitian Hibah Bersaing

Pemanfaatan abu Gunung Sinabung sebagai bahan campuran pembuatan paving block

2021

Penelitian Dosen Pemula

PENELITIAN TALENTA USU SKEMA PENELITIAN DOSEN MUDA

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Community Services

2018

Pendampingan Kepolisian

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2023

Pendampingan Kejaksaan Tinggi Tebing Tinggi dalam kegiatan Preservasi Jalan di Tebing Tinggi

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2022

Pendampingan Kejaksaan Negeri Langkat pada Pengerjaan satu unit Sumur Bor yang terletak di dusun II Pasiran Desa Halabantak

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2022

Pendampingan Kejaksaan Negeri Pematang Siantar terhadap Pekerjaan Pembangunan Jalan dan Jembatan STA 09+310 - STA 10+150 di Jalan Outer Ring Road Kota Pematang Siantar

IRWAN SURANTA SEMBIRING , INDRA JAYA PANDIA

2023

Ipteks Bagi Masyarakat

Pendampingan Kejaksaan Negeri Pematang Siantar

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