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Publications

2023
Prosiding seminar internasional
Mapping the overlapping paratransit route in Medan City using GIS
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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 BKBOK 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)
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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
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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
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2026
Prosiding seminar internasional
The economic benefit of toll road investment on the performance of the industry sectors in West Java Province
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2026
Prosiding seminar internasional

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

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2026
Prosiding seminar internasional

Evaluation of paratransit performance as public transport in Medan City

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

2021
Penelitian Dosen Pemula

PENELITIAN TALENTA USU SKEMA PENELITIAN DOSEN MUDA

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Community Services

2023

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

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2023
Ipteks Bagi Masyarakat

Pendampingan Kejaksaan Negeri Pematang Siantar

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2022

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

IRWAN SURANTA SEMBIRING

2022

Pendampingan Kepolisian Resor Tebing Tinggi pada Pekerjaan Penambahan Ruang Puskesmas Pasar Gambir Kota Tebing Tinggi

MUHAMMAD AGUNG PUTRA HANDANA , IRWAN SURANTA SEMBIRING

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

2022

Pendampingan Kepolisian Daerah Sumatera Utara dalam Pekerjaan Konstruksi Penyediaan Sarana dan Prasarana Pejalan Kaki di Wiliayah Samosir

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