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Isra Suryati is a dedicated lecturer in Environmental Engineering at Universitas Sumatera Utara (USU). She obtained her Bachelor's degree in Environmental Engineering from Universitas Andalas in 2003 and her Master's degree in Environmental Science from Universitas Gadjah Mada in 2005.

Since 2014, Mrs. Isra has been actively teaching, conducting research, and devoting herself to the community with full loyalty. Her areas of interest in Environmental Engineering include air quality, climate change, environmental management, and waste management. Her publication results can be accessed through ResearchGate and SINTA.

In addition to being active in the Tridharma of Higher Education, Mrs. Isra is also frequently invited as a speaker at various levels, both nationally (such as IMTLI) and provincially and city-level, to discuss climate change literacy.

Before becoming a lecturer, Mrs. Isra had experience as an environmental consultant. She has worked on more than 50 environmental documents, such as AMDAL and DELH, in various regions of Indonesia, from Aceh to Papua.

Mrs. Isra's experience in environmental consulting makes her a valuable partner in various collaborations between Universitas Sumatera Utara and the government, BUMN, and the private sector. She has been involved in the PROPER PT INALUM verification team, the waste management planning team in the Lake Toba area, the PT Pertamina SDGs verification team, the PT PLN Social Mapping team, and many more.

Publications

2017

Jurnal nasional terakreditasi

ANALISIS SEBARAN KARBON MONOKSIDA DARI SUMBER TRANSPORTASI DARI JALAN SISINGAMANGARAJA DENGAN METODE FINITE LENGTH LINE SOURCE BERBASIS SISTEM INFORMASI GEOGRAFIS

ISRA SURYATI

2018

Jurnal nasional terakreditasi

Pengaruh Kecepatan Angin, Kelembapan dan Suhu Udara terhadap konsentrasi SO₂ Ambien dan Pemetaan SO₂ Ambien di Sekitar PT. Kawasan Industri Medan

ISRA SURYATI

2024

Jurnal internasional bereputasi

Seasonal anomaly of particulate matter concentration in an equatorial climate: Evaluating the transboundary impact from neighboring provinces on Padang City, Indonesia

ISRA SURYATI , VERA SURTIA BACHTIAR , YEGA SERLINA , Muhammad Amin , Teguh Ariefianto , Dikarama Kaula , Nailul Husni

2017

Prosiding seminar internasional

Mapping Air Quality Index of Carbon Monoxide (CO) in Medan City

ISRA SURYATI

2021

Prosiding seminar internasional

Analysis of PM10 dispersion models from coal-fired power plant activities in North Sumatera by using CALPUFF

ISRA SURYATI

2021

Jurnal nasional terakreditasi

Analysis Distribution Sulfur Dioxide and Nitrogen Dioxide Concentration from PLTU Pangkalan Susu with Callpuff Method

ISRA SURYATI

2016

Prosiding seminar nasional

POTENSI PENURUNAN EMISI KARBON MONOKSIDA DI RUAS JALAN KOTA MEDAN DENGAN PENERAPAN TRANSPORTASI MASSAL

ISRA SURYATI

2019

Jurnal nasional terakreditasi

Studi Kandungan Logam Berat (As, Cd, Cr, Pb Dan Hg) dalam Particulate Matter 10 Mikron (PM10) di Beberapa Ruas Jalan Kota Medan

ISRA SURYATI

2018

Jurnal nasional terakreditasi

Analisis Sebaran Total Suspended Particulate (TSP) Dengan Model Gaussian Point Source Di Pembangkit Listrik Berbahan Bakar Biomassa

ISRA SURYATI

2021

Jurnal nasional terakreditasi

Analisis Konsentrasi CO (Karbon Monoksida) Udara Ambien dari Sumber Kendaraan Bermotor dengan Menggunakan Model Meti-Lis di Kawasan Balai Kota, Medan

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Community Services

2024

Laporan Emisi Gas Rumah Kaca Kabupaten Langkat Tahun 2024

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