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*Novrida Harpah Hasibuan S.Si., M.T., joined the Environmental Engineering Study Program in July 2018. Novrida graduated from the Undergraduate Program in Chemistry at USU in 2009 and the Master's Program in Environmental Engineering at ITB in 2013. Novrida has worked in a multinational company in the field of palm oil processing as a Safety Health Environment Quality staff from 2013 to 2018. Novrida is passionate about environmental management, especially surface water quality management, B3 waste management, and environmental risk analysis. Some of the research themes she has conducted include modeling the movement of heavy metals, life cycle assessment, plastic waste management, especially microplastics in rivers, and community behavior. Novrida has been involved as Inalum's Green Proper verification team for B3 waste, as an expert team of Medan city BLH for water quality monitoring study activities around Terjun landfill, and as a social mapping preparation team as a supporting document for PT PLTU Belawan's Green Proper.*

## Publications

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2020

Jurnal nasional terakreditasi

### **Improvement of sanitation facilities to achieve Sustainable Development Goals in Dusun 6 Desa Percut, Kecamatan Percut Sei Tuan**

NOVRIDA HARPAH HASIBUAN

2023

Prosiding seminar internasional

### **Analysis of the Carbon Footprint of the Domestic Wastewater Sector in Several Areas in Medan City During the Covid-19 Pandemic**

NOVRIDA HARPAH HASIBUAN , LUSI SARI ANGGRIANI NADAPDAP , JOSE ALEXANDER SATRIO SIGALINGGING , MUSTIKA ANGGRAENI , MIFTA HANISAH , ISRA SURYATI , MILENIA RUADELIA

2024

Prosiding seminar internasional

### **Microplastic Distribution Model in Ambient Air PM2.5 Around the Medan Industrial Area, North Sumatra**

ISRA SURYATI , NOVRIDA HARPAH HASIBUAN , RINA ANGELLA SILALAH , ROMIAN MALAU , YOLANDA TAMBUN

2022

Jurnal internasional bereputasi

### **Life Cycle Assessment on the Onsite Wastewater Treatment Systems by LIME3 in the Republic of Indonesia**

NOVRIDA HARPAH HASIBUAN , IRVAN , MAYA SARAH

2023

Prosiding seminar internasional

### **Analysis of the carbon footprint of the domestic wastewater sector in several areas in Medan city during the Covid-19 pandemic**

NOVRIDA HARPAH HASIBUAN , ISRA SURYATI

2022

Prosiding seminar internasional

### **Spatial Analysis of Potential Greenhouse Gas (GHG) Emissions from Household-Scale LPG Consumption in Urban and Sub-Urban Areas of Medan City during the COVID-19 Pandemic**

## Researches

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2022

Penelitian Fundamental

### **Penilaian Resiko Keberadaan Tempat Pemrosesan Akhir Sampah (TPA) Terjun di Kecamatan Medan Marelan**

ISRA SURYATI , NOVRIDA HARPAH HASIBUAN , VICENTIUS EGIDIA , ANDRE YANIKO , UCHTI AFRIDA , LESTARI HUTABARAT

2023

Penelitian Fundamental

### **KAJIAN KEBERADAAN MIKROPLASTIK DALAM PM 2,5 UDARA AMBIEN (STUDI KASUS : TPA TERJUN DAN KIM (KAWASAN INDUSTRI MEDAN) DI KOTA MEDAN)**

ISRA SURYATI , NOVRIDA HARPAH HASIBUAN , RINA ANGELLA SILALAH , YOLANDA TAMBUN , ROMIAN MALAU

2021

Penelitian Dosen Pemula

### **MODEL DISTRIBUSI SPASIAL POTENSI EMISI GAS RUMAH KACA DARI AKTIVITAS SEKTOR PEMUKIMAN DI KOTA MEDAN**

ISRA SURYATI , NOVRIDA HARPAH HASIBUAN , MILENIA RUADELIA , LUSI SARI ANGGRIANI NADAPDAP , MIFTA HANISAH , JOSE ALEXANDER SATRIO SIGALINGGING

2023

Ipteks Bagi Wilayah Antara PT-CSR / PT-PEMDA-CSR

### **PEMBUATAN PROTOTIPE BRIKET ARANG BAHAN DASAR CANGKANG KELAPA SAWIT**

ISRA SURYATI , RAHMI KAROLINA , NOVRIDA HARPAH HASIBUAN , YERICA MAGDALENA , ORISA SATIVANA MEGAWATI , TRIE NOVA MARITO SITANGGANG , Sally Irvina Ritonga

## Community Services

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2026

### **Focus Discussion Group on Reduce Plastics in Environment (Fokus Grup Diskusi mengenai Pengurangan Plastik di Lingkungan)**

ERNI JUMILAWATY , IWAN RISNASARI , NOVRIDA HARPAH HASIBUAN , ARIF NURYAWAN

2019

Ipteks Bagi Masyarakat

### **Peningkatan Ketersediaan Air Bersih Bagi Masyarakat Ujung Kerang, Kampung Nelayan, Kecamatan Medan Belawan**

ISRA SURYATI , NOVRIDA HARPAH HASIBUAN

## Intellectual Property Rights

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2022

Hak cipta nasional

### **Gc-MS : (Teori dan Pengoperasiannya)**

NOVRIDA HARPAH HASIBUAN , RAHMI KAROLINA

2022

Hak cipta nasional

### **Toksikologi Air Lindi**

YANA MARCELLA SIKELTA PURBA , NOVRIDA HARPAH HASIBUAN

2022

Hasil penelitian/pemikiran yang tidak dipublikasikan

# Penyusunan Dokumen Pembaharuan Green Building Kota Medan

NOVRIDA HARPAH HASIBUAN

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2022

Paten nasional

## **ALAT PASSIVE SAMPLER UNTUK SAMPLING KANDUNGAN MIKROPLASTIK DALAM PARTIKULAT UKURAN 10 MIKRON (PM10) DI UDARA AMBIEN**

NOVRIDA HARPAH HASIBUAN , AMANDO MANALU , ROMIAN MALAU , YOLANDA TAMBUN , RINA ANGELLA SILALAH , ISRA SURYATI

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2022

Paten nasional

## **Formula Hand Sanitizer Mengandung Minyak Tea Tree**

NOVRIDA HARPAH HASIBUAN

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2022

Paten nasional

## **ALAT PASSIVE SAMPLER UNTUK SAMPLING KANDUNGAN MIKROPLASTIK DALAM PARTIKULAT UKURAN 10 MIKRON (PM10) DI UDARA AMBIEN**

AMANDO MANALU , ROMIAN MALAU , YOLANDA TAMBUN , RINA ANGELLA SILALAH , ISRA SURYATI , NOVRIDA HARPAH HASIBUAN

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