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*Evi Naria studied for a Bachelor's degree in Agronomy at Andalas University, Padang, for a Master's degree in Public Health at the Universitas Indonesia Jakarta, and for a Master's degree in Public Health at the Universitas Sumatera Utara, Medan. Since 1993 he has been a lecturer in the Environmental Health specialization at the Faculty of Public Health, Universitas Sumatera Utara in Medan, with the functional position being Associate Professor.*

*Quantitative and qualitative research carried out covers the field of Environmental Health, especially Sanitation. Experience in community-based basic sanitation management research which includes clean water management, waste management, family latrine management and wastewater. The research was carried out in various settings, namely in densely populated urban areas and communities around the coast. Research on basic sanitation conditions in several areas, to provide interventions to the community, and assistance to families in managing basic sanitation is a field of study by researchers. Some of the studies carried out by researchers are Sanitation Management Information Intervention Through Short Message Service and Telephone on the Implementation of Community-Based Total Sanitation (STBM), Home Environment Sanitation Intervention and Family Nutrition in Efforts to Control Environment-Based Diseases in Urban Slum Areas. Subsequent research on the Analysis of Implementation of Community-Based Total Sanitation Self-Monitoring (STBM) in Households, Analysis of Family Resources on the Quality of Household Sanitation. Research on the Family Empowerment Model in Basic Sanitation Management in Households conducted by researchers has resulted in a novelty in the management of household sanitation by families in the form of family empowerment, namely an agreement on the division of tasks for sanitation management in families to improve the quality of basic sanitation in households.*

*Publication in several reputable national and international journals. Published articles include the Effect of Providing Information Through Counseling, Short Massages Service (SMS), Telephone on Improving Sanitation in Slum Areas, Medan Maimun District, Medan City, Improving Environmental Health Through Reduce Reuse Recycle and Trash Cans With Attractive Pictures at High School in Percut Sei Tuan Sub-District, An Analysis on Task Division of Household Sanitation Management in Dense Settlements in Binjai North Sumatra Province. Sanitation publication with family empowerment, namely Exploring the Potentiality of Family Resources on Basic Household Sanitation Management in Dense Settlements of Binjai in North Sumatra Province of Indonesia, was published in a reputable international journal.*

## Publications

2026
Prosiding seminar internasional

### Extraction of carotene from crude palm oil (CPO) using DES thymol - lauric acid as a potential green solvents

RENITA MANURUNG , EVI NARIA , ILMI , ALWI GERY AGUSTAN SIREGAR

2026
Jurnal internasional bereputasi

### The Healthy Living Community Movement Program on Smoking and Health Checkups in Kutalimbaru Village, Indonesia

SRI MALEM INDIRAWATI , FADILAH AINI , IDA YUSTINA , UMI SALMAH , EVI NARIA , ETTI SUDARYATI

2025
Jurnal internasional bereputasi

### Benzene Exposure and Health Risk Assessment Among Workers in Informal Footwear Workshops: A Cross-Sectional Study in Medan, Indonesia

DEVI NURAINI SANTI , EVI NARIA , TAUFIK ASHAR

2025
Jurnal internasional bereputasi

## Benzene, Toluene, Xylene Levels and Subjective Complaints in Shoe Workshops

TAUFIK ASHAR , DEVI NURAINI SANTI , EVI NARIA

2025
Jurnal internasional

## Factors Affecting Household–Level Climate Change Mitigation: A Study in Medan, Indonesia

EVI NARIA , NURMAINI

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## Utilizing a Deep Eutectic Solvent in carotene extraction technology with Palm Methyl Ester oil to advance green technology

EVI NARIA , ALWI GERY AGUSTAN SIREGAR , RENITA MANURUNG , ILMI

2024
Jurnal nasional terakreditasi

## Analisis Risiko Sanitasi dan Kejadian Penyakit Kulit di Kecamatan Medan Belawan Kota Medan

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## Elimination of Open Defecation Through Community-Based Action Research Study In North Sumatra

EVI NARIA

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Jurnal nasional

## Relationship Between Community-Based Total Sanitation and Stunting Incidence in Medan City

RETNO DANTHI SHAFIRA , EVI NARIA , IRNAWATI MARSAULINA

2024
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## EFFECTIVENESS OF BREATHING EXERCISES IN ELDERLY TUBERCULOSIS PATIENTS IN MEDAN

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## Mengenyahkan Sampah Plastik Benalu dengan Ekobrik: Get Rid of Parasitic Plastic Waste with Ecobricks

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## Hubungan Peran Orang Tua dengan Intensitas Penggunaan Gadget pada Anak Usia Dini di Kabupaten Tapanuli Selatan

FITRI KHAIRANI , ISMIL KHAIRI LUBIS , ECIA MEILONNA KOKA, SKM, M.KES , EVI NARIA , INTAN MAULIDA RANGKUTI , MELINI TATIO ENJELIKA MARPAUNG , HALOMOAN DAULAY , ANNI FADHILAH HARAHAP

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## Making Ecobrick: Powerful Reduce Plastic Trash

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## THE RELATIONSHIP BETWEEN THE RISK OF OBSTRUCTIVE SLEEP APNEA (OSA) AND THE SAFETY PERFORMANCE OF CRANE OPERATOR WORKERS AT PT TERMINAL PETIKEMAS BELAWAN

EVI NARIA , LIZAHRA IZZATI , GERRY SILABAN

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## Sadar pilah sampah dengan konsep 4R (Reuse, Reduce, Recycle, Replace) dalam upaya penurunan volume sampah Desa Pantai Gemi tahun 2022

SYAFRENI ANNISA AYU PUTRI , DEVI NURAINI SANTI , EVI NARIA , SRI MALEM INDIRAWATI

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## BANK SAMPAH DAN BUDAYA MENABUNG: SEBUAH REFLEKSI DARI PPM DI DESA MARENDAL II

FIKARWIN , EVI NARIA

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Jurnal nasional

## MITIGASI PERUBAHAN IKLIM MELALUI AKSI NYATA GENERASI RESTORASI UNTUK MANGROVE DI PESISIR PANTAI LABU Authors Sri Mal

WINNI R. E. TUMANGGOR , IRNAWATI MARSAULINA , SURYA DHARMA , NURMAINI , TAUFIK ASHAR , DEVI NURAINI SANTI , INDRA CHAHAYA , SRI MALEM INDIRAWATI , EVI NARIA

2021
Jurnal internasional

## An Analysis on Task Division of Household Sanitation Management in Dense Settlements in Binjai North Sumatera Province

EVI NARIA , HERU SANTOSA , NURMAINI , R KINTOKO ROCHADI

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## An Analysis on Task Division of Household Sanitation Management in Dense Settlements in Binjai North Sumatera Province

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## Status of Mother's Bone Density (0-6 Months) Based on Pattern of Breastfeeding

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2017
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## Hand Washing Activities Based on Text Messages and Phone Call Intervention to Housewives at Coastal Region of Bagan Delivillage

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2016
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**Hand Washing Activity Based on Short Message Service and Telephone Intervention to Housewife at Coastal Region Kelurahan Bagan Deli**

EVI NARIA

2015
Jurnal nasional

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2015
Jurnal nasional

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Jurnal nasional

**Hubungan kualitas mikrobiologis air sumur gali dan pengelolaan sampah di rumah tangga dengan kejadian diare pada keluarga di Kelurahan Terjun Kecamatan Medan Marelan tahun 2013**

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2012
Jurnal nasional

**Analisa Kandungan Timbal (Pb) pada Minyak Sebelum dan Sesudah Penggorengan yang Digunakan Pedagang Gorengan Sekitar Kawasan Traffic Light Kota Medan Tahun 2012**

RAPOTAN HASIBUAN , EVI NARIA

## Researches

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### PENGEMBANGAN TEKNOLOGI EKSTRAKSI DAN ENKAPSULASI VITAMIN A DAN VITAMIN E DARI MINYAK SAWIT UNTUK MENDUKUNG KESEHATAN BERKELANJUTAN

EVI NARIA , RENITA MANURUNG , SRI ZAHRANI DWI MAULIYAH PARINDURI

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### PENERAPAN LARVASIDA ALAMI BIJI JARAK (Ricinus communis L.) UNTUK PENGENDALIAN DEMAM BERDARAH DANGUE DI KOTA MEDAN

EVI NARIA , WINNI R. E. TUMANGGOR , INDRA CHAHAYA

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### Vitamin A Berbasis Minyak Sawit Sebagai Komodifikasi Kearifan Lokal Untuk Kesehatan

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### Pencegahan Kecanduan Gadget pada Anak Usia Dini melalui Pengenalan Permainan Tradisional MOD-EMOD (Modifikasi Engklek Modern) di Kabupaten Tapanuli Selatan

EVI NARIA , FITRI KHAIRANI , ECIA MEILONNA KOKA, SKM, M.KES , ISMIL KHAIRI LUBIS , HALOMOAN DAULAY , MELINI TATIO ENJELIKA MARPAUNG , INTAN MAULIDA RANGKUTI , ANNI FADHILAH HARAHAP

2018
Penelitian Fundamental

### PENGENDALIAN PENYAKIT BERBASIS LINGKUNGAN MELALUI UPAYA PENINGKATAN SANITASI DI KOTA BINJAI PROPINSI SUMATERA UTARA

EVI NARIA , NURMAINI

2017
Biomedik

### HUBUNGAN PAJANAN BENZEN DI UDARA AMBIEN DENGAN KADAR TRANS-TRANS MUCONIC ACID URIN DAN MALONDIALDEHYDE URIN PADA PEKERJA PEMBUATAN SEPATU

EVI NARIA , TAUFIK ASHAR , DEVI NURAINI SANTI , NAYSYA VITIANOZA , INA MULIYANI HARAHAP

2013
Penelitian Hibah Bersaing

### Analisis Potensi “Manggadong” sebagai Kearifan Lokal Sumatera Utara dalam Mewuju

EVI NARIA , AINUN ROHANAH

## Community Services

2026

### Transformasi Peran Remaja Kader Smart-Jumantik sebagai Upaya Akselerasi Penurunan Insidensi DBD Melalui Pengelolaan Tempat Penampungan Air Di Kecamatan Medan Deli

EVI NARIA , UMI SALMAH , TAUFIK ASHAR , SRI MALEM INDIRAWATI

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### Pelaksanaan Edukasi Pencegahan Demam Berdarah Dengue pada Anak Usia Sekolah di Sanggar Anak Sungai Deli, Medan Maimun

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### Pemberdayaan Akademisi Dalam Pengelolaan dan Konservasi Kanal Air Melalui Kegiatan ZERO WASTE

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### Implementasi EDUTB (Edukasi Tuberkulosis) Melalui Edukasi dan Aktivitas Fisik sebagai Upaya Pencegahan Tuberkulosis di Desa Baru, Kecamatan Pancur Batu

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### Gerakan Sosial-Budaya Ekobrik (GESBEK): Mengenyahkan Plastik Benalu Dengan Penyadaran Ekologis, Ekobrik-berinsentif dan Kelompok Terorganisir di Kelurahan Tanjung Rejo Medan

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### MEMILAH SAMPAH, MEMBUAT ECOBRICK DAN MEMBENTUK BANK SAMPAH SEBAGAI UPAYA MEMBANGUN BUDAYA BERSIH DI KELURAHAN TANJUNG REJO KECAMATAN MEDAN SUNGGAL

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### Mitigasi Perubahan Iklim melalui Aksi Nyata Generasi Restorasi untuk Mangrove di Pesisir Pantai Labu

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### Pembentukan Bank Sampah, Komposting dan Penanaman Tanaman Hias, Ikon, dan Peneduh Sebagai Upaya Penanggulangan Sampah dan Kebersihan Lingkungan di Dusun III Desa Marindal II Kecamatan Patumbak Kabupaten Deli Serdang

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### Video Kegiatan: Penerapan Larvasida Alami Biji Jarak (Ricinus Communis L.) Untuk Pencegahan DBD di Kota Medan

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### Pencegahan Kecanduan Gadget Pada Anak Usia Dini Melalui Pengenalan Permainan Tradisional MOD-EMOD (Modifikasi Engklek Modern) Di Kabupaten Tapanuli Selatan

FITRI KHAIRANI , EVI NARIA , ISMIL KHAIRI LUBIS , ANNI FADHILAH HARAHAP , INTAN MAULIDA RANGKUTI , MELINI

TATIO ENJELIKA MARPAUNG , HALOMOAN DAULAY , ECIA MEILONNA KOKA, SKM, M.KES

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## Video Edukasi Pemanfaatan Maggot Sebagai Aksi Peduli Lingkungan

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## PEMBERDAYAAN PEDAGANG DALAM PENGELOLAAN SANITASI PASAR DAN PENGENDALIAN LALAT SERTA PEMBENTUKAN KOMUNITAS PEDULI PASAR SEHAT (KOMPASS) DI PASAR TAVIP KOTA BINJAI

ARDIN HERMANSYAH SIAGIAN , NOVITA OLIVIA SINURAT , RAIHANA ATIKA , EVI NARIA , TAUFIK ASHAR , FIKARWIN

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## KARYA REKAMAN VIDEO MITIGASI PERUBAHAN IKLIM MELALUI AKSI NYATA GENERASI RESTORASI UNTUK MANGROVE DI PESISIR PANTAI LABU

WINNI R. E. TUMANGGOR , DEVI NURAINI SANTI , EVI NARIA , SURYA DARMA , NURMAINI , TAUFIK ASHAR , INDRA CHAHAYA , SRI MALEM INDIRAWATI , IRNAWATI MARSAULINA