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Sarah Patumona Manalu, S.K.M., M.Sc., was born in Medan on March 02, 1991, and is a lecturer in Environmental Engineering at Universitas Sumatera Utara. She completed a Master's Program in Environmental Engineering at the Faculty of Engineering of Chung Yuan Christian University in 2016.

Publications

2025

Prosiding seminar internasional

Analysis of Milk Consumption Habits and Nutritional Status of Toddlers as a Basis for Preparing a Free Milk Program in the Namorambe Community Health Center Area, Deli Serdang

Samuel , SARAH PATUMONA MANALU , EVAWANY YUNITA ARITONANG

2024

Jurnal nasional terakreditasi

Analysis of the Storage of Solid Medical Hazardous and Toxic Waste (B3) in Enhancing the Performance of Type C Hospitals: A Case Study at Universitas Sumatera Utara Hospital

ISRA SURYATI , NOVRIDA HARPAH HASIBUAN , AMIR HUSIN , SARAH PATUMONA MANALU

2025

Jurnal nasional terakreditasi

Nutrition Education for Pregnant Women to Reduce Anemia and Accelerate the Stunting Reduction in Toddlers

SARAH PATUMONA MANALU , EVAWANY YUNITA ARITONANG , T SABRINA , SATIA NEGARA LUBIS , YASMINE ANGGIA SARI , S.SI.,MT.

2023

Jurnal nasional terakreditasi

Penyuluhan Hipertensi di Desa Perkebunan Tanjung Kasau Kabupaten Batu Bara

NOVRIDA HARPAH HASIBUAN , SARAH PATUMONA MANALU , YASMINE ANGGIA SARI , S.SI.,MT.

2025

Prosiding seminar internasional

Correlation of macronutrient and micronutrient intake with anemia status in pulmonary tuberculosis patients at namorambe community health center

SARAH PATUMONA MANALU , EVAWANY YUNITA ARITONANG , SAMUEL MARGANDA HALOMOAN MANALU

2024

Jurnal nasional terakreditasi

Accelerating Stunting Reduction by Empowering Posyandu Cadres and Village Officials in Monitoring Nutritional Status and Providing Additional Food to Pregnant Women

EVAWANY YUNITA ARITONANG , MAULY PURBA , SONDANG PINTAULI , SARAH PATUMONA MANALU

2022

Jurnal nasional terakreditasi

Increasing Knowledge of the Community of Karang Rejo Village Through Actualization of Transformation to Prevent Covid-19 Characteristics of Local Excellence

SARAH PATUMONA MANALU

2024

Prosiding seminar internasional

A Review of Topogenous Peatland Management in Humbang Hasundutan Regency

T SABRINA , SARAH PATUMONA MANALU , DELVIAN

2023

Prosiding seminar internasional

Assessment of microplastic on tropical tidal lake waters in Medan (study cases-Siombak lake)

HAFIZHUL KHAIR A.M. , ISRA SURYATI , YASMINE ANGGIA SARI, S.SI.,MT. , NOVRIDA HARPAH HASIBUAN , SARAH PATUMONA MANALU

2014

Jurnal nasional

Faktor-Faktor Yang Berhubungan Dengan Partisipasi Masyarakat Dalam Program Bank Sampah Di Kelurahan Binjai Kecamatan Medan Denai Kota Medan Tahun 2013

SARAH PATUMONA MANALU

2023

Jurnal nasional

Conducting Counseling About Diabetes Mellitus in Desa Perkebunan Tanjung Kasau. Kec, Laut Tador. Kab, Batu Bara

SARAH PATUMONA MANALU

2023

Jurnal nasional terakreditasi

Pengembangan Minat dan Bakat Siswa di Desa Perkebunan Tanjung Kasau (SDN 10 Perkebunan Tanjung Kasau dan MTS Islamiyah Tanjung Kasau)

SARAH PATUMONA MANALU

2025

Jurnal internasional bereputasi

The Impact of Land Use on Peat Characteristics in the Highlands of Humbang Hasundutan, Indonesia

T SABRINA , SARAH PATUMONA MANALU , RAHMAWATY

2018

Jurnal internasional bereputasi

Synthesis of ternary g-C₃N₄/Bi₂MoO₆/TiO₂ nanotube composite photocatalysts for the decolorization of dyes under visible light and direct sunlight irradiation

SARAH PATUMONA MANALU

2024

Jurnal nasional

Accelerating Stunting Reduction by Empowering Posyandu Cadres and Village Officials in Monitoring Nutritional Status and Providing Additional Food to Pregnant Women

SARAH PATUMONA MANALU

2023

Jurnal nasional terakreditasi

UKK3: Inovasi Peningkatan UMKM Desa Perkebunan Tanjung Kasau Melalui Pembuatan Keripik Aneka Rasa

SARAH PATUMONA MANALU

2023

Artikel ilmiah

**PENYULUHAN HIPERTENSI DI DESA PERKEBUNAN TANJUNG KASAU
KABUPATEN BATU BARA. Bubungan Tinggi: Jurnal Pengabdian Masyarakat, 5
(4), 1430**

SARAH PATUMONA MANALU , NOVRIDA HARPAH HASIBUAN , YASMINE ANGGIA SARI, S.SI.,MT.

2025

Jurnal nasional terakreditasi

**Nutrition Education For Pregnant Women to Reduce Anemia and Accelerate
the Reduction of Stunting in Toddlers**

T SABRINA , EVAWANY YUNITA ARITONANG , SATIA NEGARA LUBIS , SARAH PATUMONA MANALU

2024

Jurnal nasional

Pembuatan Plang K3 sebagai Peringatan Zona Selamat Sekolah

YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU , NOVRIDA HARPAH HASIBUAN

2023

Jurnal nasional terakreditasi

**Pelatihan Pembuatan Hidroponik Sederhana Melalui Program KKNT USU di
Desa Perkebunan Tanjung Kasau**

SARAH PATUMONA MANALU

2023

Jurnal nasional terakreditasi

**Penerapan Senam Lansia dalam Meningkatkan Imunitas Melalui Program
KKNT USU di Desa Perkebunan Tanjung Kasau**

NOVRIDA HARPAH HASIBUAN , SARAH PATUMONA MANALU , YASMINE ANGGIA SARI, S.SI.,MT.

2025

Prosiding seminar internasional

**Correlation Study of Rhizobium Bacteria and Legume Cover Crops (LCC) as
Nutrient Providers and Bioremediators on Post-Mining Land at PT. Agincourt
Resources**

YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU , ADE GUSTINA HAZAR NASUTION , Syaiful Anwar , Randyka Nugraha

2018

Jurnal internasional bereputasi

**Synthesis of ternary g-
 $C_3N_4/Bi_2MoO_6/TiO_2$
nanotube composite photocatalysts for the decolorization of dyes under visible
light and direct sunlight irradiation**

SARAH PATUMONA MANALU

2025

Prosiding seminar internasional

**Histosol soil respiration rate study: measurement and implications in
Humbang Hasundutan Regency**

YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU

2025

Prosiding seminar internasional

**Correlation Study of Rhizobium Bacteria and Legume Cover Crops (LCC) as
Nutrient Providers and Bioremediators on Post-Mining Land at PT. Agincourt
Resources**

YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU , ADE GUSTINA HAZAR NASUTION , Syaiful Anwar , Randyka Nugraha

2024

Prosiding seminar internasional

**Exploring the Triad: pH, Nitrogen, and Phosphorus Characteristics of Peat
Soils in Humbang Hasundutan Regency**

T SABRINA , YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU

2023

Prosiding seminar internasional

Mesoplastic contamination in the Deli River Medan: A Pre-Assessment

SARAH PATUMONA MANALU

2023

Jurnal nasional

UMKM Creative Exhibition as a Realization of the Potential of the Rising Economic Village Desa Perkebunan Tanjung Kasau

SARAH PATUMONA MANALU

Researches

2023

Penelitian Dana Lokal Perguruan Tinggi

HUBUNGAN POLA KONSUMSI PANGAN DENGAN KEPATUHAN BEROBAT PASIEN TB PARU DI KECAMATAN NAMORAMBE KABUPATEN DELI SERDANG

EVAWANY YUNITA ARITONANG , ETTI SUDARYATI , SARAH PATUMONA MANALU

2024

Ipteks

Analisis Konsumsi Pangan Dan Status Gizi Balita Sebagai Dasar Penyusunan Program Pemberian Makan Siang Gratis Di Wilayah Puskesmas Namorambe Kabupaten Deli Serdang

EVAWANY YUNITA ARITONANG , ETTI SUDARYATI , SARAH PATUMONA MANALU

Community Services

2024

PENCEGAHAN IBU HAMIL KURANG ENERGI KRONIK (KEK) DENGAN OPTIMALISASI ANTE NATAL CARE DAN PEMBERIAN MAKANAN TAMBAHAN

ALAM BAKTI , DEVI NURAINI SANTI , SARAH PATUMONA MANALU

2025

Ipteks Bagi Masyarakat

EDUKASI GIZI DALAM IMPELEMENTASI PROGRAM NASIONAL MAKAN BERGIZI GRATIS (MBG) SEBAGAI UPAYA PERCEPATAN PENURUNAN STUNTING PADA ANAK SEKOLAH DASAR

ALAM BAKTI , ETTI SUDARYATI , SARAH PATUMONA MANALU

2025

Penyaluran Bantuan dan Pendampingan Masyarakat Terdampak Banjir di Provinsi Sumatera Utara"

RIDAHATI RAMBEY , SARAH PATUMONA MANALU

2021

KKN Pembelajaran Pemberdayaan Masyarakat

Peningkatan Pemahaman Masyarakat Desa Karang Rejo Melalui Aktualisasi Transformasi Pencegahan Covid-19 Berkarakter Keunggulan Lokal

SARAH PATUMONA MANALU

2024

Ipteks Bagi Masyarakat

Energi Bersih Laut: Optimalisasi Penggunaan Solar Panel dalam Meningkatkan Efisiensi Cooling storage untuk Nelayan Sibolga Menuju Keberlanjutan dan Mitigasi Perubahan Iklim

TULUS BURHANUDDIN SITORUS , YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU

2023

Pelatihan Pembuatan Hidroponik Sederhana Melalui Program KKNT USU di

Desa Perkebunan Tanjung Kasau

SARAH PATUMONA MANALU

2025

International Community Engagement: Save the Planet!

EVAWANY YUNITA ARITONANG , SARAH PATUMONA MANALU

2025

HMTL Goes to Community

MUNIR TANJUNG , SARAH PATUMONA MANALU

2025

Pembersihan Lumpur Pasca Bencana Banjir di Kabupaten Pidie Jaya Aceh

SARAH PATUMONA MANALU

2024

Pemutusan Rantai Terjadinya Stunting Dengan Pemberian Makanan Tambahan Dan Pemberdayaan Kader Posyandu Melalui Pemantauan Pertumbuhan Balita

DEVI NURAINI SANTI , SARAH PATUMONA MANALU

2022

Tim Pelaksana Kegiatan Pemberdayaan UMKM Dalam Upaya Peningkatan Ekonomi, Wisata, dan Kesejahteraan Masyarakat Desa Tanjung Kasau Di Kabupaten Batubara Provinsi Sumatera Utara

ISMAYADI , SARAH PATUMONA MANALU

2026

Kuliah Umum bagi mahasiswa program studi Manajemen Informatika, Teknik Komputer dan Komputerisasi Akuntansi, AMIK MEDICOM

FADHILA , SARAH PATUMONA MANALU

2025

Ipteks Bagi Masyarakat

EDUKASI GIZI DALAM IMPLEMENTASI PROGRAM NASIONAL MAKAN BERGIZI GRATIS (MBG) SEBAGAI UPAYA PERCEPATAN PENURUNAN STUNTING PADA ANAK SEKOLAH DASAR

ALAM BAKTI , SARAH PATUMONA MANALU

2024

PEMUTUSAN RANTAI TERJADINYA STUNTING DENGAN PEMBERIAN MAKANAN TAMBAHAN DAN PEMBERDAYAAN KADER POSYANDU MELALUI PEMANTAUAN PERTUMBUHAN BALITA

HALINDA SARI LUBIS , DEVI NURAINI SANTI , SARAH PATUMONA MANALU

2025

Ipteks Bagi Masyarakat

INTERNATIONAL COMMUNITY SERVICE "SAVE THE PLANET"

NOVIZAR , YASMINE ANGGIA SARI, S.SI.,MT. , SARAH PATUMONA MANALU , Novizar Nazir

Intellectual Property Rights

2023

Paten nasional

PROSES PEMBUATAN BIOBRIKET ARANG DARI CANGKANG KELAPA SAWIT DAN MOLASE

ISRA SURYATI , ORISA SATIVANA MEGAWATI , TRIE NOVA MARITO SITANGGANG , NOVRIDA HARPAH HASIBUAN , SARAH PATUMONA MANALU , RAHMI KAROLINA

2023

Hak cipta nasional

Managemen Gizi Saat Bencana

SAMUEL MARGANDA HALOMOAN MANALU , EVAWANY YUNITA ARITONANG , SARAH PATUMONA MANALU

2023

Hak cipta nasional

Model Pengelolaan Ekosistem Gambut Dataran Tinggi Toba Berbasis Tutupan Lahan, Persepsi Masyarakat, Dan Kualitas Tanah Gambut

SARAH PATUMONA MANALU , T SABRINA , RAHMAWATY
