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Prof. Dr. Ir. Rosdanelli Hasibuan, M.T. dilahirkan di P. Brandan pada tanggal 08 Agustus 1968. Beliau merupakan seorang dosen Teknik Kimia di Universitas Sumatera Utara. Saat ini, beliau menjabat sebagai Wakil Dekan Bidang Pendidikan, Kemahasiswaan, dan Kealumnian. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3, program studi Teknik Kimia, di UKM pada tahun 2005.

Publications

2023

Jurnal internasional bereputasi

Preparation and characterization of lithium, sodium, and potassium silicate from palm leaf as a potential solid base catalyst in developed biodiesel production

ROSDANELLI HASIBUAN , RENITA MANURUNG

2025

Prosiding seminar internasional

Drying Characteristics of Red Ginger Using Tray Dryer Integrated with Biomass Pyrolysis Reactor

RISMA FAZILLAH , ROSDANELLI HASIBUAN

2014

Jurnal nasional terakreditasi

PENGARUH ASAM STEARAT TERHADAP SIFAT KETEGUHAN PATAH/MODULUS OF RUPTURE PAPAN PARTIKEL TERMOPLASTIK BEKAS BERPENGISI TEMPURUNG KELAPA

ROSDANELLI HASIBUAN

2020

Prosiding seminar internasional

Determination of Cocoa Powder Particle Size Distribution by Using the Buoyancy Weighing-Bar Method

ROSDANELLI HASIBUAN , RONDANG TAMBUN

2025

Prosiding seminar internasional

Effect of solid base catalyst based silica from palm leaves in biodiesel production

RENITA MANURUNG , ROSDANELLI HASIBUAN

2026

Jurnal internasional bereputasi

Unlocking the potential of solar thermal technology: Pretreatment-driven enhancement in cassava flour production

DEDY ANWAR , ELLYAS ALGA NAINGGOLAN , ROSDANELLI HASIBUAN , Klara Urbanova , Jan Banout

2023

Prosiding seminar internasional

Estimation of the Settling Time of Wastewater Using the Buoyancy Weighing

Bar Method

RONDANG TAMBUN , ROSDANELLI HASIBUAN

2023

Jurnal nasional terakreditasi

Pengaruh Kondisi Operasi terhadap Karakteristik Pengeringan Jahe Merah (Zingiber officinale Var. Rubrum) Menggunakan Tray Dryer dengan Udara Panas dari Proses Pirolisis

ROSDANELLI HASIBUAN

2023

Jurnal internasional bereputasi

Drying Kinetic Models of Rice Applying Fluidized Bed Dryer

RENITA MANURUNG , ROSDANELLI HASIBUAN

2024

Prosiding seminar internasional

The utilization of bagasse from PG Kwala Madu as precursor in activated carbon production

VIQRY PRAMANANDA , ROSDANELLI HASIBUAN , MUHAMMAD FAIZUL HISHAM , RONDANG TAMBUN

2024

Prosiding seminar internasional

Drying Kinetics of Rice Using a Flatbed Dryer with a Hot Air Source from a Biomass Waste Pyrolysis Reactor

ROSDANELLI HASIBUAN

2023

Jurnal nasional terakreditasi

Pengaruh Suhu dan Waktu Pirolisis terhadap Karakteristik Arang dari Tempurung Kelapa

ROSDANELLI HASIBUAN

2024

Prosiding seminar internasional

Corn Drying with a Rotary Dryer: Effect of Air Speed and Drying Temperature Operating Conditions

ARYA SAKA WICAKSONO , RONDANG TAMBUN , ROSDANELLI HASIBUAN

2022

Jurnal internasional bereputasi

PERFORMANCE OF FLUIDIZED BED DRYER USING HOT AIRFROM PYROLYSIS APPARATUS IN RICE DRYING

ROSDANELLI HASIBUAN

2025

Jurnal internasional bereputasi

Drying of red ginger slices using tray dryer integrated with pyrolysis reactor as a heat source: Evaluation on the drying characteristics, red ginger quality, and drying kinetics

RISMA FAZILLAH , ROSDANELLI HASIBUAN

2025

Prosiding seminar internasional

Effect of solid base catalyst based silica from palm leaves in biodiesel production

ALWI GERY AGUSTAN SIREGAR , RENITA MANURUNG , ROSDANELLI HASIBUAN

2025

Prosiding seminar internasional

Promoting Ecological Citizenship Through Community-Based Mangrove Plantation

HODRIANI , OSBERTH SINAGA , TRI HARSONO , ROSDANELLI HASIBUAN , JUNAIDI

2022

Jurnal internasional bereputasi

Performance analysis of solar-biomass hybrid heat pump batch-type horizontal fluidized bed dryer using multi-stage heat exchanger for paddy drying

ROSDANELLI HASIBUAN

2025

Prosiding seminar internasional

Quality analysis of soap noodles from palm fatty acid distillate-refined bleached deodorized palm stearin blend

ROSDANELLI HASIBUAN , RONDANG TAMBUN

2023

Prosiding seminar internasional

Effect of adsorbent activation conditions from spent coffee ground (SCG) using H₂SO₄ on Cr (VI) adsorption

FATIMAH , ROSDANELLI HASIBUAN , HAFIFUDDIN ARIF

2021

Jurnal internasional bereputasi

Experimental investigation of the performance of a solar dryer integrated with solid desiccant columns using water based solar collector for medicinal herb

ROSDANELLI HASIBUAN

2009

Jurnal internasional bereputasi

Quality changes of superheated steam-dried fibers from oil palm empty fruit bunches

ROSDANELLI HASIBUAN

2023

Jurnal internasional bereputasi

Development of hybrid solar-assisted heat pump dryer for drying paddy

ROSDANELLI HASIBUAN

2024

Jurnal internasional bereputasi

Preparation and characterization of lithium, sodium, and potassium silicate from palm leaf as a potential solid base catalyst in developed biodiesel production

RENITA MANURUNG , ROSDANELLI HASIBUAN

2023

Prosiding seminar internasional

Purification of pecan shell liquid smoke using the distillation method to separate polycyclic aromatic hydrocarbons (PAHs)

FEBRIANTI BR SITORUS PANE , MAYANG ANJALI SIANIPAR , RISMA FAZILLAH , ROSDANELLI HASIBUAN

Researches

2016

Penelitian Hibah Bersaing

PENGARUH TEMPERATUR GELATINISASI TERHADAP KARAKTERISTIK BIOPLASTIK DARI PATI BIJI DURIAN BERPENGISI KITOSAN

ROSDANELLI HASIBUAN

Community Services

2018

Asesmen Lapangan terhadap Program Studi Teknik Kimia pada program S1 Universitas Internasional Semen Indonesia

ASWATI MINDARYANI , ROSDANELLI HASIBUAN

2024

Ipteks Bagi Wilayah

Program Pengelolaan Lingkungan Sehat, Bersih dan Nyaman dengan Penerapan Teknologi Proses Pengolahan Sampah Menjadi Produk Komersial Untuk Meningkatkan Pendapatan Masyarakat serta Penguatan Upaya Kesehatan Kerja Petani Pembibitan Tanaman Holtikultura di Desa Klambir Kecamatan Pantai Labu Kabupaten Deli Serdang

YAYA HASANAH , ROSDANELLI HASIBUAN

Intellectual Property Rights

2023

Paten nasional

PEMBUATAN KATALIS BASA PADAT LITIMUM,NATRIUM DAN KALIUM SILIKA DARI DAUN KELAPA SAWIT

RENITA MANURUNG , ROSDANELLI HASIBUAN , ALWI GERY AGUSTAN SIREGAR

2023

Paten nasional

Alat Pengereng Unggun Fluidisasi Tipe Vertikal

ROSDANELLI HASIBUAN

2023

Hak cipta nasional

Teknologi Pengeringan Aplikasi Pengeringan Kombinasi

RONDANG TAMBUN , ROSDANELLI HASIBUAN
