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Dr. Rini Hardiyanti, S.TP was born in Medan on December 22, 1991. She is a Chemistry lecturer at the Universitas Sumatera Utara. She completed her doctoral degree in Chemistry at the Universitas Sumatera Utara in 2019.

Publications

2025

Prosiding seminar internasional

Development of antibacterial biofoam from Eucalyptus grandis, cassava, and synthetic plastic as an effort to increase storage time of Citrus sinensis

MUHAMMAD TAUFIK , SOVIA LENNY , BOBY CAHYADY , RINI HARDIYANTI , CUT FATIMAH ZUHRA

2019

Jurnal internasional bereputasi

BIOCHEMICAL EVALUATION OF DUKU™ S MISTLETOE LEAVE (Dendrophthoe pentandra (L.) Miq) EXTRACT WITH ANTIDIABETIC POTENTIAL

RINI HARDIYANTI , LAMEK MARPAUNG

2023

Prosiding seminar internasional

A colorimetric sensor for detecting CN^{-} and PO_4^{3-} anion based on azo-hydrazone derivative in acetonitrile solution

SUHARMAN , RINI HARDIYANTI

2026

Jurnal internasional bereputasi

Nutrient composition and antioxidant properties of fish protein hydrolysate from bullet tuna (Auxis rochei)

MUHAMMAD ZULHAM EFENDI SINAGA , CUT FATIMAH ZUHRA , SOVIA LENNY , RINI HARDIYANTI , WIRDA ARIYANTI

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A colorimetric sensor for detecting CN^{-} and PO_4^{3-} anion based on azo-hydrazone derivative in acetonitrile solution

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2021

Jurnal internasional bereputasi

ANTIMICROBIAL ACTIVITY OF CELLULOSE NANOFIBERBASED HYDROGELS FROM ABACÁ BANANA PSEUDO-STEM FIBRE

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2025

Prosiding seminar internasional

Antibacterial properties of modified Désirée potato starch- chitosan edible films

RINI HARDIYANTI , SOVIA LENNY , MUHAMMAD ZULHAM EFENDI SINAGA , Zabdan Ahmad Arrazi , Ahmad Alfarizi Effendi ,

2023

Prosiding seminar internasional

Structural Analysis of Bacterial Cellulose Supplemented Curcuma Longa Linn Extract for Wound Healing

WARDATUL HUSNA IRHAM , RUGAYA , RINI HARDIYANTI

2023

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Antibacterial and Antioxidant Activity of Fish Protein Hydrolysate from Mahseer (Tor tambroides)

CUT FATIMAH ZUHRA , RINI HARDIYANTI , SOVIA LENNY , EMMA ZAIDAR , MUHAMMAD ZULHAM EFENDI SINAGA

2021

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WOUND HEALING BIOACTIVITY OF Curcuma Longa Linn

RINI HARDIYANTI , WARDATUL HUSNA IRHAM

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An azo/hydrazone-based chemosensor for anion detection in acetonitrile: Synthesis and spectroscopic study

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Asokha (Saraca asoca) Flower Extract Gel Preparation for Incision Wound Healing

EMMA ZAIDAR , CUT FATIMAH ZUHRA , SOVIA LENNY , MUHAMMAD ZULHAM EFENDI SINAGA , RINI HARDIYANTI

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Chemical Characteritics of Chitosan from Common Carp (Cyprinus carpio) Scales

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Mouthwash Preparation from Raru Bark Extract (Cotylelobium melanoxylon) As an Inhibitor of Streptococcus mutans and Candida albicans

EMMA ZAIDAR , SOVIA LENNY , ARIDA SUSILOWATI , MUHAMMAD ZULHAM EFENDI SINAGA , RINI HARDIYANTI

2018

Jurnal internasional bereputasi

ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES OF VARIOUS EXTRACTS OF DUKUâ€™S MISTLETOE LEAF (DENDROPHTHOE PENTANDRA (L.) MIQ) COLLECTED FROM MEDAN, INDONESIA

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Modification starch of breadfruit (Artocarpus altilis) through esterification reaction with fatty acid as pesticides in controlled-release formulation

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Formulation of Black Turmeric (Curcuma caesia Roxb) Rhizome into Hand Sanitizer with Antibacterial Properties

RINI HARDIYANTI , Emma Zaidar , Faisal Mahdi Harahap

2024

Buku referensi

MANAJEMEN PENGELOLAAN LABORATORIUM

RINI HARDIYANTI , SUSILO SUDARMAN , ARDIANSYAH SEMBIRING

2019

Jurnal internasional bereputasi

ISOLATION OF QUERCITRIN FROM *Dendrophthoe pentandra* (L.) Miq LEAVES AND ITS ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES

RINI HARDIYANTI , LAMEK MARPAUNG

2022

Jurnal internasional bereputasi

PREPARATION AND CHARACTERIZATION OF CHITOSAN FROM GOLDFISH SCALES FOR ANTI-DANDRUFF SHAMPOO

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Jurnal nasional terakreditasi

Physicochemical Characterization of Kefir Combination from Goat Milk and Almond Milk

MUHAMMAD TAUFIK , ALENSIA ESTETIKA MANALU , ELSA PRISKILA , MAY RIFANI BR GINTING , Zabdan Ahmad Arrazi , RINI HARDIYANTI

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Development of antibacterial biofoam from *Eucalyptus grandis*, cassava, and synthetic plastic as an effort to increase storage time of *Citrus sinensis*

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Application of Cellulase From *Aspergillus niger* Through Solid-State Fermentation to Reduce the Fiber Content in Fish Feed for Nile Tilapia (*Oreochromis niloticus*)

MUHAMMAD ZULHAM EFENDI SINAGA , CUT FATIMAH ZUHRA , RINI HARDIYANTI , ADRIAN HILMAN , ANDREAS HALIM

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Chemical characteristics of modified potato starch- chitosan edible films

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Effects of Sweet Potato (*Ipomoea batatas*) Starch Edible Coating, White Turmeric (*Curcuma zedoaria*) Extract and Glycerol to Stored Strawberries

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Buku referensi

KESELAMATAN DAN KESEHATAN KERJA (K3) DI LABORATORIUM KIMIA

CUT FATIMAH ZUHRA , SUSILO SUDARMAN , ARDIANSYAH SEMBIRING , RINI HARDIYANTI

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The utilization of pineapple hump extracts in complete feeds on the quality of free-board rabbit meat

KENNIE CENDEKIA DESNAMRINA , USWATUN HASANAH , GALIH ARI WIRAWAN SIREGAR , ferdy saputra , Bram Brahmantiyo , RINI HARDIYANTI

2021

Buku referensi

Bioaktivitas Daun Benalu Duku

LAMEK MARPAUNG , RINI HARDIYANTI

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Edible Coating of Tomato (*Solanum lycopersicum*) using Carboxymethyl Cellulose (CMC) from Bagasse

SOVIA LENNY , EMMA ZAIDAR , CUT FATIMAH ZUHRA , RINI HARDIYANTI , RUMONDANG BULAN , MUHAMMAD ZULHAM

Researches

2022

Ipteks Bagi Masyarakat

PEMANFAATAN EKSTRAK BONGGOL NANAS DALAM RANSUM KOMPLIT TERHADAP KUALITAS KIMIAWI DAGING KELINCI LEPAS SAPIH JANTAN LOKAL

GALIH ARI WIRAWAN SIREGAR , USWATUN HASANAH , RINI HARDIYANTI , KENNIE CENDEKIA DESNAMRINA

2022

Pemanfaatan Ekstrak Bonggol Nanas Dalam Ransum Komplit Terhadap Kualitas Kimiawi Daging Kelinci Lepas Sapih Jantan Lokal

GALIH ARI WIRAWAN SIREGAR , USWATUN HASANAH , RINI HARDIYANTI , KENNIE CENDEKIA DESNAMRINA

2021

Upgrading Biodegradable Film Berbasis Pati Termodifikasidan Kitosan Untuk Pengembangan Kemasan Aktif

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2024

Inovasi Pati Resisten dari Pati Biji Nangka Termodifikasi pada Pangan Fungsional dalam menurunkan Indeks Glikemik Gula Darah Tikus Induksi Streptozotocin

CUT FATIMAH ZUHRA , RINI HARDIYANTI , SOVIA LENNY

2023

Pemanfaatan Pangan Fungsional Probiotik Kefir Almond-Bonggol Nanas dalam Regenerasi Sel Beta Pankreas Tikus Induksi Streptozotocin sebagai Alternatif Pencegahan Diabetes

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2023

Penelitian Fundamental

Modifikasi Sifat Hidrofobisitas Pati Sukun (Artocarpus altilis) Sebagai Pembawa Dalam Pestisida Terkontrol

CUT FATIMAH ZUHRA , RINI HARDIYANTI , MUHAMMAD ZULHAM EFENDI SINAGA

2020

Modifikasi dan Bioaktivitas Pati Resisten dari Pati Kentang dan Pati Biji Durian sebagai Bahan Pangan Fungsional

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2021

Penelitian Unggulan Perguruan Tinggi

Pembuatan Matriks Pembawa Vitamin E Dari Pati Nanokristalin Modifikasi Ganda Menggunakan Pati Sukun (Artocarpus Altilis) Melalui Reaksi Oksidasi Dan Ikat Silang

CUT FATIMAH ZUHRA , SUHARMAN , RINI HARDIYANTI

2020

Penelitian Dana Lokal Perguruan Tinggi

Preparasi dan Karakterisasi Nanofiber Berbasis Styrofoam dengan Penambahan Zeolit Alam Pahae Menggunakan Metode Elektrospinning

YUAN ALFINSYAH SIHOMBING , RINI HARDIYANTI , MUHAMMAD ZULHAM EFENDI SINAGA , RANGGA

2025

Penelitian Fundamental

Analisis Kontaminasi Mikroplastik Pada Krustase, Bivalvia Dan Ikan Di Pantai Timur Sumatera Utara Serta Implikasinya Terhadap Keamanan Pangan

Nasional

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2021

Penelitian Dosen Pemula

Pengembangan Material Sensor Kolorimetri Dengan Selektivitas dan Sensitivitas Tinggi Terhadap Anion Sianida Menggunakan Turunan Senyawa Vanilin

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2020

Penelitian Dosen Pemula

Modifikasi dan Bioaktivitas Pati Resisten dari Pati Kentang dan Pati Biji Durian sebagai Bahan Pangan Fungsional

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2025

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Pengaplikasian Kemasan Aktif untuk Fillet Ikan dari Material Komposit Berbasis Kitosan Sisik Ikan Mas dan Pati Termodifikasi

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2023

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SUSILO SUDARMAN , ARDIANSYAH SEMBIRING , RINI HARDIYANTI

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BIOAKTIVITAS DAUN BENALU DUKU

RINI HARDIYANTI