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*Prof. Dr. Sovia Lenny, S.Si., M.Si. was born in Pondok Tinggi on October 18, 1975, and is a lecturer in Chemistry at Universitas Sumatera Utara. She completed a Doctoral Program in Chemistry at USU in 2012.*

## Publications

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2022

Jurnal nasional terakreditasi

### **Isolasi Senyawa Flavonoida dari Buah Harimonting (*Rhodomyrtus tomentosa* W.Ait)**

ALBERT PASARIBU , SOVIA LENNY

2025

Jurnal internasional bereputasi

### **Preparation of Polyurethane from Bendo Tree Sap (*Artocarpus Elasticus Reinw*) based Polyol and It's Potential as Adhesive**

ADIANSYAH , SOVIA LENNY , TAMRIN

2021

Prosiding seminar internasional

### **Synthesis and characterization of nanocomposite chitosan from Horseshoe Crab to improve antibacterial properties**

SOVIA LENNY

2018

Prosiding seminar internasional

### **Acetylation of breadfruit utarch by Using Acetic Anhydride**

SAHARMAN GEA , MARPONGAHTUN , SOVIA LENNY , CUT FATIMAH ZUHRA

2013

Jurnal internasional bereputasi

### **STRUCTURE ELUCIDATION OF FLAVONOID COMPOUND FROM THE LEAVES OF COLEUS ATROPURPUREUS BENTH USING 1D- AND 2D-NMR TECHNIQUES**

TONEL BARUS , LAMEK MARPAUNG , SOVIA LENNY

2024

Jurnal internasional bereputasi

### **Therapeutic Effect of Red Ginger Leaf Ethyl Acetate Fraction Gel on Staphylococcus aureus-Infected Excision Wounds on Rat: A Preclinical Study**

SOVIA LENNY , AMINAH DALIMUNTHE , MASFRIA , BUNGA RIMTA BARUS

2025

Jurnal nasional terakreditasi

### **Phytochemical Screening, Determination of Total Phenolic Contents and Total Flavonoid Contents of Pod Purified Extract from *Caesalpinia pulcherrima*(L.) Sw.**

SOVIA LENNY , JULIATI BR TARIGAN , FEBRIYANTI

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2024

Jurnal nasional terakreditasi

**ANALYSIS OF TOTAL FLAVONOID CONTENT AND ANTIOXIDANT ACTIVITY ASSAY OF GUAVA VARIETY CRYSTAL (*Psidium guajava* L.) LEAVES EXTRACT**

CUT FATIMAH ZUHRA , SOVIA LENNY

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2025

Jurnal internasional bereputasi

**Preparation of polyurethane from bendo tree sap (*artocarpus elasticus* reinw) based polyol and it's potential as adhesive**

MARPONGAHTUN , TAMRIN , SOVIA LENNY , ADIANSYAH

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2023

Jurnal nasional terakreditasi

**Isolation of Flavonoids Compounds from Akalifa (*Acalypha wilkesiana* Muell. Arc.) Plant Leaves**

SOVIA LENNY , LAMEK MARPAUNG

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2018

Jurnal internasional

**Isolation of Phenolic Compound & Antioxidant from Saputangan Leaves (*Maniltoa Grandiflora* (A. Gray) Scheff)**

SOVIA LENNY , FIRMAN SEBAYANG

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2023

Prosiding seminar internasional

**Effect of polyurethane/chitosan nanoparticle from squid pen (*Loligo* sp.) for antibacterial activity testing**

EMMA ZAIDAR , SOVIA LENNY , HARRY AGUSNAR

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2025

Jurnal nasional terakreditasi

**Screening of Phytochemicals and Determination of Total Phenolic and Flavonoid Contents in Different Plant Parts of *Kalanchoe ceratophylla* Haw**

SOVIA LENNY , ALYSSA ZAHRA BR KARO , Lamhot P Manalu , Astuti

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2023

Prosiding seminar internasional

**Antibacterial properties of breadfruit (*Artocarpus altilis*) leaves extracts**

SOVIA LENNY , CUT FATIMAH ZUHRA

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2025

Prosiding seminar internasional

**Isolation of flavonoid compounds from the leaves of *Eucalyptus pellita* F. Mull**

SOVIA LENNY , IKA RAHMAYANI RITONGA

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2024

Jurnal nasional terakreditasi

**Potential Inhibitory Power of Edible Starch Phosphate Film of Yellow Ivory Coconut Shoots (*Cocos nucifera* var. *eburnea*) Incorporated with Chitosan-Nisin on The Growth of Patogenic Bacteria**

CUT FATIMAH ZUHRA , SOVIA LENNY

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2025

Jurnal internasional bereputasi

**Hybrid polyol-based polyurethane from pine *merkusii* resin and polyethylene glycol 400 for sustainable asphalt modification**

TAMRIN , AHMAD HAFIZULLAH RITONGA , SOVIA LENNY , Misni Bin Misran

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## Researches

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2017

Penelitian Unggulan Perguruan Tinggi

## **Pembuatan Dan Karakterisasi Biokomposit Poli(e-kaprolakton)/ Pati Sukun Termodifikasi**

CUT FATIMAH ZUHRA , MARPONGAHTUN , SOVIA LENNY

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2022

Penelitian Disertasi Doktor

### **Formulasi Sediaan Gel Ekstrak dan Fraksi Daun Jahe Merah (*Zingiber officinale* Rosc. Var. Rubrum) dan Uji Aktivitas Antimikroba**

AMINAH DALIMUNTHE , MASFRIA , SOVIA LENNY

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2020

Penelitian Dana Lokal Perguruan Tinggi

### **PEMANFAATAN EKSTRAK DAUN SUKUN (*Artocarpus altilis*) SEBAGAI ANTIBAKTERI TERHADAP KARAKTERISASI EDIBLE FILM PATI SUKUN**

CUT FATIMAH ZUHRA , SOVIA LENNY

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2023

### **Body Scrub Natural dari Ekstrak Kayu Manis (*Cinnamomum verum*) dan Wortel (*Daucus carota*) Sebagai Exfoliator dan Anti Aging Pada Kulit**

ELIMASNI , ISNAINI NURWAHYUNI , SOVIA LENNY

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## **Community Services**

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2018

### **Pembuatan VCO melalui Metode High Speed Steering-Douboe Jacket**

CUT FATIMAH ZUHRA , SOVIA LENNY

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