

# Prof. Dr. Sumaiyah,, S.Si., M.Si., Apt.

Lecturer of Undergraduate Program in Pharmacy Study Program  
Faculty of Pharmacy  
Universitas Sumatera Utara

✉ sumaiyah@usu.ac.id

🏢 Second Floor of the USU Faculty of Pharmacy Building

☎ +6285361323060

🌐 [ff.usu.ac.id/en/lecturer/sumaiyah](http://ff.usu.ac.id/en/lecturer/sumaiyah)

*Prof. apt. Dr. Sumaiyah S.Si., M.Si., was born in Medan on December 26, 1977. She is a lecturer in Pharmaceutical Technology at the Universitas Sumatera Utara. She completed her doctoral degree in Pharmaceutical Science at the Universitas Sumatera Utara in 2014.*

*Education profile:*

*Bachelor's Degree - Undergraduate Program in Pharmacy, Universitas Sumatera Utara*

*Master's Degree - Master's Program in Pharmaceutical Science, Universitas Sumatera Utara*

*Doctoral Degree - Doctoral Program in Pharmaceutical Science, Universitas Sumatera Utara*

---

## Publications

---

2025

Makalah ilmiah

### **Biosynthesis of Zinc Oxide Nanoparticles using Lansium domesticum Leaf Extract as Antimicrobial Agents**

SUMAIYAH

---

2025

Jurnal internasional bereputasi

### **Formulation and characterization of antibacterial gel containing ethanol extract of oil palm leaves (Elaeis guineensis Jacq.)**

SUMAIYAH , ANGELA ARINDYAH AMANDA

---

2023

Jurnal nasional terakreditasi

### **Effect of Lavender Inhalation Aromatherapy on Sleep Quality in Cancer Patients at Murni Teguh Memorial Hospital**

SITI ZAHARA NASUTION , DEWI MUSTIKANI SARAGIH , SUMAIYAH

---

2022

Jurnal internasional

### **Dried samples characterization and determination of total phenol and flavonoid of ethanol extract from Musa paradisiaca l. fruit peel**

SUMAIYAH , EMIL SALIM

---

2022

Jurnal internasional bereputasi

### **THE USE OF CARROT SEED OIL (DAUCUS CAROTA L.) TO FORMULATE NANOEMULGELS AS AN EFFECTIVE NATURAL SUNSCREEN AND SKIN ANTI-AGING**

SUMAIYAH , ANAYANTI ARIANTO , HAKIM BANGUN

---

2020

Jurnal internasional bereputasi

### **Preparation and Evaluation of Nanoemulgels Containing a Combination of Grape Seed Oil and Anisotriazine as Sunscreen**

2019

Jurnal internasional bereputasi

**The effect of crosprovidone on the dissolution profile of amlodipine besylate from fast orally dissolving film**

SUMAIYAH

2019

Jurnal internasional bereputasi

**The effect of antioxidant of grapeseed oil as skin anti-aging in nanoemulsion and emulsion preparations**

SUMAIYAH

2018

Jurnal internasional

**The effects of the adduction of effervescent powder of bastard cedar leaf (Guazuma ulmifolia Lamk.)**

AMINAH DALIMUNTHE , SUMAIYAH

2016

Jurnal internasional bereputasi

**Utilization of microcrystalline cellulose of sugar palm bunches (Arengapinnata (wurmb) merr.) as excipients tablet direct compression**

KARSONO , SUMAIYAH

2014

Jurnal internasional bereputasi

**Preparation and characterization of nanocrystalline cellulose from sugar palm bunch (Arenga pinnata (Wurmb) Merr.)**

SUMAIYAH

## Researches

2025

Penelitian Disertasi Doktor

**Pengembangan Sediaan Nanoemulgel yang Diperkaya Kolagen Ikan dan Ekstrak Pegagan (Centella Asiatica): Formulasi dan Studi Praklinis Penyembuhan Ulkus Diabetikum**

SUMAIYAH , EMIL SALIM , NABILA

2023

**Aktivitas Immunostimulan Sediaan Nano-Emulsifying Mengandung Ekstrak Etanol Buah Andaliman (Zanthoxylum acanthopodium Dc.) yang Diperkaya Senyawa Polifenol secara In Vitro dan In Vivo**

DIDI NURHADI ILLIAN , SUMAIYAH , RETNO MURWANTI

2023

Penelitian Kerjasama Antar Perguruan Tinggi

**Aktivitas Immunostimulan Sediaan Nano-Emulsifying Mengandung Ekstrak Etanol Buah Andaliman (Zanthoxylum Acanthopodium Dc.) yang Diperkaya Senyawa Polifenol secara In Vitro dan In Vivo**

DIDI NURHADI ILLIAN , SUMAIYAH , RETNO MURWANTI

2020

**Pembuatan dan Evaluasi Sediaan Nanoemulgel Minyak Biji Rasberi (Rubus Idaeus L.) dan Minyak Biji Wortel (Daucus Carota L) sebagai Tabir Surya dan Anti Penuaan Kulit**

SUMAIYAH , HAKIM BANGUN , ANAYANTI ARIANTO

2019

**Pembuatan dan Evaluasi Sediaan Nanoemulsi Gel Tabir Surya yang**

## **mengandung Kombinasi Minyak Tumbuh-tumbuhan dengan Anisotriazine**

SUMAIYAH , ANAYANTI ARIANTO

---

2014

Penelitian Disertasi Doktor

### **Pemanfaatan Selulosa Nanokristal dari Tandan Aren (*Arenga pinnata* (Wurmb.) Merr.) pada Penyediaan Tablet Natrium Dikofenak**

SUMAIYAH

---

## **Community Services**

---

2026

### **Pengurus BKM Masjid ASy-Syifa' 2026**

SUMAIYAH , EMIL SALIM

---

## **Intellectual Property Rights**

---

2025

Paten nasional

### **Sediaan Masker Clay Ekstrak Etanol Daun Bayam Merah (*Amaranthus tricolor* L.) sebagai Kosmetik Anti-Aging**

SUMAIYAH , EMIL SALIM

---

2024

Paten nasional

### **Sediaan Gel Ekstrak Kulit Buah Musa paradisiaca L. sebagai Penyembuh Luka Diabetes**

EMIL SALIM , SUMAIYAH , NABILA

---

2021

Paten nasional

### **Sediaan Gel Antijerawat Mengandung Ekstrak Etanol Daun Tumbuhan Ketapang (*Terminalia catappa* L.)**

SUMAIYAH , AWALUDDIN SARAGIH

---