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*Hamidah Harahap was born in Medan on October 29, 1967, and is a lecturer in Polymer Technology at the Universitas Sumatera Utara. She completed a Doctoral Program in Polymer Technology at the School of Materials and Mineral Resources of Universiti Sains Malaysia in 2011.*

## Publications

2025

Prosiding seminar internasional

### **Utilization Spent Bleaching Earth as a Cement Substituted on Polymer Concrete Characteristics**

HAMIDAH HARAHAP , ZUHRINA MASYITHAH , NURUL SARI BALKIS

2021

Prosiding seminar internasional

### **Isolation of cellulose from agricultural waste using different treatments : A review**

HAMIDAH HARAHAP

2024

Artikel ilmiah

### **Application of Sodium Silicate from Palm Leaf Ash as Heterogeneous Catalyst in Transesterification of Palm Oil**

RENITA MANURUNG , HAMIDAH HARAHAP , RONDANG TAMBUN , RURI RIZKI SYAHPUTRI ZUHRI

2025

Prosiding seminar internasional

### **Effect of Temperature on the Quality of Bridge-Bearing Elastomers: A Review**

HAMIDAH HARAHAP , ERLIKASNA THERESIA BR SEMBIRING , MUHAMMAD YUSUF

2024

Jurnal internasional bereputasi

### **The use of supporting materials in the process of making food containers from a mixture of PLA-starch and testing the quality of the coating: A review**

HAMIDAH HARAHAP , HALIMATUDDAHLIANA , FBA FITRIANI

2024

Jurnal internasional bereputasi

### **THE POTENTIAL OF CATALYST BASED ON PALM LEAVES IN BIODIESEL PRODUCTION AS PART OF PALM OIL LIFE CYCLE ASSESMENT**

ALWI GERY AGUSTAN SIREGAR , RENITA MANURUNG , RONDANG TAMBUN , HAMIDAH HARAHAP

2024

Prosiding seminar internasional

### **The Effect of Contact Time and Microwave Power on Spent Bleaching Earth Desorption Using Microwave-Assisted Extraction Method**

SITI MAISARAH , HAMIDAH HARAHAP , RENITA MANURUNG

2025

Prosiding seminar internasional

### **Swelling kinetics of CNC-g-poly (acrylamide-co-graphene oxide) hydrogels at**

## various GO mass

MAYA SARAH , HAMIDAH HARAHAHAP , ANDIKA STEVEN SITORUS

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2021

Prosiding seminar internasional

### **The effect solvent type on natural fiber immersion process on tensile strength of cellulose-based bioplastic**

HAMIDAH HARAHAHAP

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## Researches

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2021

Penelitian Dana Lokal Perguruan Tinggi

### **PENGARUH REAKTIVASI SPENT BLEACHING EARTH (SBE) TERHADAP PROSES ADSORPSI BETA KAROTEN PADA CRUDE PALM OIL (CPO)**

RENITA MANURUNG , HAMIDAH HARAHAHAP , SITI MAISARAH

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## Community Services

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2018

Ipteks

### **Manfaat Mengonsumsi Makanan Halal dan Thayyib/baik bagi Siswa SD Perguruan Islam Terpadu Nurul Azizi**

ZUHRINA MASYITHAH , HAMIDAH HARAHAHAP

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## Intellectual Property Rights

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2021

Paten nasional

### **Edible Coating Buah Durian (*Durio zibethinus*) Dari Pati Melinjo (*Gnentum gnemon*) Dengan Zat Antimikroba Ekstrak Kulit Jeruk Berastagi (*Citrus reticulata*)**

HAMIDAH HARAHAHAP , WAN DWI RANI AZIZAH , ZAHRA ADELIA SIREGAR , CALVIN OCTAVIANUS HUTABARAT , TASNIDAR ULFA TANJUNG , ZAKIA IZZATI RAFI

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2021

Paten nasional

### **Biokomposit Dari Pati Biji Durian Berperbgisi Nanoserat Limbah Ampas Teh Sebagai Aplikasi Pengganti Styrofoam**

RENITA MANURUNG , HAMIDAH HARAHAHAP

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