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Risma Fazillah, S.T., M.T. is a lecturer in the Department of Chemical Engineering, Faculty of Engineering, Universitas Sumatera Utara. She earned her Bachelor's degree (S.T.) in Chemical Engineering from Universitas Syiah Kuala in 2017. She then pursued her Master's degree (M.T.) in Chemical Engineering at Universitas Sumatera Utara, graduating in 2022.

Risma Fazillah joined Universitas Sumatera Utara as a lecturer in 2024. Her research interests include essential oils and extraction. She is committed to contributing to the advancement of Chemical Engineering knowledge through quality research and teaching.

Publications

2026
Prosiding seminar internasional

Chlorophyll extraction from Pleomele angustifolia leaves using soxhletation: The effect of solvent type and extraction time

ROSDANELLI HASIBUAN , RISMA FAZILLAH

2026
Prosiding seminar internasional

Physicochemical properties of liquid smoke from candlenut shells at various pyrolysis temperature and time

ROSDANELLI HASIBUAN , RISMA FAZILLAH

2026
Prosiding seminar internasional

Halal challenges in waste cooking oil management: legal imperatives in environmental regulation and public accountability

YATI SHARFINA DESIANDRI , PUTRI RUMONDANG SIAGIAN , RISMA FAZILLAH

2025
Prosiding seminar internasional

Drying performance of temulawak using flat-bed dryer integrated with pyrolysis reactor

RISMA FAZILLAH , ROSDANELLI HASIBUAN , JULIZA HIDAYATI , MUHAMMAD KHUWAILID , THIODORUS MARVIN TJANDRA , VIQRY PRAMANANDA

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

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

RISMA FAZILLAH , ROSDANELLI HASIBUAN

Researches

2026

Sabun Cair Pencuci Tangan Berbahan Aktif Minyak Atsiri Kulit Kayu Manis (Cinnamomum burmannii)

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