

Raju, S.TP., M.Si

Dosen Laboratorium Bengkel Teknik Pertanian
Fakultas Pertanian
Universitas Sumatera Utara

✉ muhammadraju@usu.ac.id

🏢 Fakultas Pertanian USU

🌐 fp.usu.ac.id/id/dosen/raju

Raju, S.T.P., M.Si. lahir di Aek Kanopan pada 11 juni 1989, merupakan salah satu dosen di Program Studi Teknik Pertanian dan Biosistem, Fakultas Pertanian, Universitas SUMatera Utara. Beliau memiliki keahlian pada bidang Teknik Energi Terbarukan dan Listrik Biosistem. Raju menyelesaikan pendidikan jenjang Sarjana (S1) dari Universitas Sumatera Utara (USU), lalu melanjutkan studi Magister (S2) di Institut Pertanian Bogor (IPB).

Raju senantiasa aktif dalam menjalankan Tri Darma Perguruan Tinggi terutama pada bidang Penelitian. Beliau selalu berupaya keras untuk berkontribusi dalam pengembangan pengetahuan terutama di bidang energi terbarukan yang berbasis dari biomassa dan limbah pertanian. Kontribusi yang ingin dicapai selain dapat menanggulangi kelangkaan bahan bakar fosil adalah ikut serta dalam menjaga lingkungan. Sesuai dengan prinsip yang dipegang teguh yaitu manusia terbaik adalah yang paling banyak manfaatnya.

Publications

2026

Prosiding seminar internasional

Effect of acidity degree variations and fermentation time of papaya waste (Carica papaya L.) in bioethanol production

RAJU , ANGGI INDRI KOKOINA SIHOMBING

2026

Jurnal internasional

Production and Characterization of Bioethanol from Tobacco Stalks via Acid Hydrolysis and Fermentation

RAJU , AKHMAD IRFAN

2024

Jurnal nasional terakreditasi

Production of Black Garlic Assyifa made by the Utsman Bin Affan Islamic Boarding School, Pantai Labu District use Thermolysis Equipment

NUR ULINA WARNISYAH SEBAYANG , BENNY HIDAYAT , RAJU , KIRANA AULIA RAHMA , SURANTI PRATIWI , CORRADY NOVEINDO TANWIE , MUHAMMAD SYAHID ZIDAN

2024

Prosiding seminar internasional

Comparison of electricity generated from biogas conversion

RAJU

2024

Prosiding seminar internasional

Impact of glycerol addition on cow manure biogas

HERDIN WAHYU PERDANA PASARIBU SARUKSUK , RAJU

2024

Jurnal nasional terakreditasi

Utilization of temperature control technology to improve the quality of Assyifa Black Garlic at the Utsman bin Affan Islamic boarding school

NUR ULINA WARNISYAH SEBAYANG , BENNY HIDAYAT , RAJU

2024

Prosiding seminar internasional

Effect of durian and jackfruit seed starch combination variation on bioethanol content using *Aspergillus niger* and *Saccharomyces cerevisiae*

RAJU , YEMIMA NADIA SIDABUTAR

2023

Prosiding seminar internasional

Comparison of biogas production from various blends of biomass

RAJU , YUNITA MAHARANI

2022

Prosiding seminar internasional

Increased stomata openings and chlorophyll index of green mustard (*Brassica juncea*.L) with violin sound exposure

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2021

Prosiding seminar internasional

Effect of violin sound exposure with pressure level variation to green mustard (*Brassica juncea* L.) growth and productivity

RAJU

2021

Prosiding seminar internasional

The study of temperature variation in catalytic biodiesel production process using static mixing reactor

RAJU

2020

Prosiding seminar internasional

Simulation of biodiesel production using perforated helical type static mixer

RAJU

2019

Prosiding seminar internasional

Model of Mechanization Implementation on the Handling of Oil Palm Fronds (OPF) Waste into Compost and Mulch in Aceh Province, Indonesia

RAJU

2019

Prosiding seminar internasional

Design of filler and compactor for oyster mushroom growing medium (baglog)

RAJU

2018

Prosiding seminar internasional

Measurement of pyrolysis gases on palm oil shell and empty fruit bunch

RAJU

2016

Jurnal nasional terakreditasi

Karakterisasi Arang dan Gas-gas Hasil Pirolisis Limbah Kelapa Sawit

RAJU
