

# Junita Br Tarigan, S.TP., M.T

Lecturer of Undergraduate Program in Agricultural and Biosystem Engineering Study Program  
Faculty of Agriculture  
Universitas Sumatera Utara

✉ [junitatarigan@usu.ac.id](mailto:junitatarigan@usu.ac.id)

🏢 Undergraduate Program in Agricultural and Biosystem Engineering, Faculty of Agriculture, USU

🌐 [fp.usu.ac.id/en/lecturer/junita-br-tarigan](http://fp.usu.ac.id/en/lecturer/junita-br-tarigan)

*Junita Br Tarigan, S.T.P., M.T., was born in Tanjung Anom on June 6, 1999. She completed her bachelor's degree at the Agricultural Engineering Study Program, Faculty of Agriculture, Universitas Sumatera Utara (USU) in 2020. In 2021, Junita continued her master's education at the Agricultural and Biosystems Engineering Study Program, IPB University, and successfully completed it in 2023.*

*During her education, Junita was active in various social activities, both at the national and international levels. In 2023, she had the opportunity to be involved in a collaborative project between two countries, Indonesia and Japan. Currently, Junita is studying Biohydrogen, with a focus on sustainable renewable energy development.*

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## Publications

2020

Jurnal nasional terakreditasi

### **Fever in Autoimmune Disease: Is It Flare or Infections?**

BLONDINA MARPAUNG , ANDI RAGA GINTING , RIZQI ARINI SIREGAR , JUNITA BR TARIGAN

2026

Artikel ilmiah

### **Effect of co-substrate ratio on pH, redox potential, and cumulative gas from pineapple pulp residue and cow manure**

JUNITA BR TARIGAN , FURQON

2020

Book chapter nasional

### **Proceeding Book Rheumatology Update 2020 : "Clinical Rheumatology in Daily Practice"**

BLONDINA MARPAUNG , RIZQI ARINI SIREGAR , JUNITA BR TARIGAN , ANDI RAGA GINTING

2020

Book chapter nasional

### **Proceeding Book Rheumatology Update 2020 : "Clinical Rheumatology in Daily Practice"**

BLONDINA MARPAUNG , ANDI RAGA GINTING , RIZQI ARINI SIREGAR , JUNITA BR TARIGAN

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## Researches

2025

Penelitian Dosen Pemula

### **The Potential of Redox Control in Microbial Fermentation A Systematic Literature Review (2020-2025)**

JUNITA BR TARIGAN

2025

### **Effect of pH Treatment on Dark Fermentation of POME Waste to Produce Biohydrogen**

JUNITA BR TARIGAN

2025

Penelitian Dosen Pemula

## **Pemanfaatan Limbah Nanas dan Biochar Lokal dalam Produksi Biohidrogen dengan Sistem Fermentor Presisi Berbasis Sensor pH Real-Time**

JUNITA BR TARIGAN , RAJU

2025

## **Effect of Co-Substrate Ratio on pH, Redox Potential, and Cummulative Gas from Pineapple Pulp Residu and Cow Manure**

JUNITA BR TARIGAN

2025

Penelitian Dosen Pemula

## **Perkembangan Produksi Biohidrogen dari Biomassa: Tinjauan Sistematis Literatur tahun 2021-2025**

JUNITA BR TARIGAN

2022

## **Hubungan antara Oxidation Reduction Potential (ORP) dan Produksi Biohidrogen pada fermentasi Gelap**

JUNITA BR TARIGAN

## **Community Services**

2025

### **AKSI LITERASI DI SIKKOLA RAKYAT RUMAH BELAJAR STARBAN**

FUTRI MEDWINA SIREGAR , NAZIF ICHWAN , JUNITA BR TARIGAN , BEATRIX SOFRANES NAPITUPULU

2025

### **PEMANFAATAN PEKARANGAN RUMAH DAN LIMBAH ORGANIK UNTUK KEMANDIRIAN PANGAN DI PANTI ASUHAN MUTIARA MULIA INDONESIA**

FUTRI MEDWINA SIREGAR , VISTA ULI SIHOMBING , VIRA IRMA SARI , JUNITA BR TARIGAN , BEATRIX SOFRANES NAPITUPULU

2026

### **Penguatan Literasi dan Pemulihan Psikososial Anak Pascabencana Melalui Kegiatan Perpustakaan Keliling dan Storytelling di Desa Batang Ara dan Desa Alur Cucur, Aceh Tamiang**

JUNITA BR TARIGAN

2025

### **Edukasi Kepedulian Lingkungan melalui Aksi Bersih-Bersih dan Kampanye di Kawasan Car Free Day Kota Medan**

FUTRI MEDWINA SIREGAR , NAZIF ICHWAN , JUNITA BR TARIGAN , BEATRIX SOFRANES NAPITUPULU

## **Intellectual Property Rights**

2020

Buku lainnya

### **Buku Antologi Wishpers of The Rain: Tales of Resilience from Bogor**

JUNITA BR TARIGAN

2020

Hak cipta nasional

### **Buku Antologi Wishpers of The Rain: Tales of Resilience from Bogor**

JUNITA BR TARIGAN

