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Hendrik Voice Sihombing, S.T., M.T. was born in Medan on January 8, 1993, and is a lecturer in Heat Transfer at the Universitas Sumatera Utara. He completed a Master's Program in Mechanical Engineering at the Faculty of Engineering of the Universitas Sumatera Utara in 2019.

Publications

2021

Jurnal internasional bereputasi

Effect of ambient temperature organic Rankine cycle geothermal power plant with Aspen plus

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING

2021

Prosiding seminar internasional

Performance analysis of an improved solar dryer with hybrid system

HENDRIK VOICE SIHOMBING , NAUAS DOMU MARIHOT ROMAULI , HIMSAR AMBARITA

2025

Jurnal nasional terakreditasi

PERFORMANSI MESIN DIESEL MENGGUNAKAN BODIESEL DARI CAMPURAN BIJI KARET-MINYAK PIROLISIS LIMBAH PLASTIK-MINYAK SOLAR

HENDRIK VOICE SIHOMBING

2020

Prosiding seminar internasional

Study on quality of red chilli powder dried by indirect solar dryer

NAUAS DOMU MARIHOT ROMAULI , HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING

2025

Prosiding seminar internasional

Experimental study and performance analysis of direct coupled solar vapor compression refrigeration system

HENDRIK VOICE SIHOMBING

2024

Jurnal internasional bereputasi

The Effect of Varying the Air Flow in a Solar Collector on the Quality of Arabica Coffee Beans

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING

2023

Prosiding seminar internasional

Design and fabrication of shell and tube heat exchanger with one pass shell and two pass tube as a water heater with hot sulfur water

HENDRIK VOICE SIHOMBING , FAREL HASIROLAN NAPITUPU , TULUS BURHANUDDIN SITURUS

2023

Prosiding seminar internasional

Design and fabrication of shell and tube heat exchanger with one pass shell and two pass tube as a water heater with hot sulfur water

HENDRIK VOICE SIHOMBING , FAREL HASIHOLOAN NAPITUPU

2024

Jurnal nasional terakreditasi

Simulasi Laju Penguapan Air Laut Secara Natural Menggunakan ANSYS Fluent

HENDRIK VOICE SIHOMBING , HIMSAR AMBARITA

2026

Jurnal nasional terakreditasi

Analisis Kinerja Pembangkit Listrik Panas Bumi terhadap Variasi Temperatur Lingkungan Menggunakan Aspen Plus

HENDRIK VOICE SIHOMBING

2024

Jurnal nasional terakreditasi

The Effect of Engine Noise on the Comfort of WA-360 Loader Heavy Equipment Operators Based on Capacity and Distance of 100, 150 and 200 cm

SURIADY SIHOMBING , WILSON SABASTIAN NABABAN , MIDUK TAMPUBOLON , HENDRIK VOICE SIHOMBING

2023

Prosiding seminar internasional

Comparative investigation on the nutritional value of fresh coffee pulp, cascara powder, and cascara sap from arabica, robusta, and liberica coffee

NAUAS DOMU MARIHOT ROMAULI , HENDRIK VOICE SIHOMBING , HIMSAR AMBARITA , FELINDA TRIA KASIH SIAHAAN , MILITIA SAGALA , Hotman Manurung

2025

Jurnal nasional

Penerapan Mesin Pengiris Ubi untuk Meningkatkan Produktivitas Usaha Kripik Ubi Stik Jabi di Desa Pakam Kabupaten Batu Bara

HENDRIK VOICE SIHOMBING

2021

Prosiding seminar internasional

Effect of airflow on Heat Pump in drying mode

KARINA NOLA SINAMO , HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING , NAUAS DOMU MARIHOT ROMAULI

2021

Jurnal internasional bereputasi

Effect of Drying Whole and Half Chili Pods Using a Solar Dryer with CaCl₂ Dessicant on Quality of Powder Chili

NAUAS DOMU MARIHOT ROMAULI , HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING

2023

Prosiding seminar internasional

Effect of blanching treatment on drying time and the quality of hybrid system solar dried red chilli

KARINA NOLA SINAMO , HENDRIK VOICE SIHOMBING , NAUAS DOMU MARIHOT ROMAULI , HIMSAR AMBARITA

2025

Jurnal nasional

Penerapan mesin pengiris ubi untuk meningkatkan produktivitas usaha kripik ubi Stik Jabi di Desa Pakam Kabupaten Batubara.

HENDRIK VOICE SIHOMBING , TULUS BURHANUDDIN SITORUS , HIMSAR AMBARITA , TAUFIQ BIN NUR , FADLY AHMAD KURNIAWAN NASUTION

2021

Jurnal internasional bereputasi

Improvement of thermal performance of the finned tube flat plate solar water heater

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING

Researches

2022

Kajian Teknologi Pengolahan Kulit Kopi Menjadi Selai Kaya Akan Serat Pangan

HENDRIK VOICE SIHOMBING , ERA YUSRAINI , NAUAS DOMU MARIHOT ROMAULI

2022

Kajian Teknologi Pengolahan Kulit Kopi Menjadi Selai Kaya Akan Serat Pangan

HENDRIK VOICE SIHOMBING , ERA YUSRAINI , NAUAS DOMU MARIHOT ROMAULI

Community Services

2022

Penerapan Teknologi Mesin Pencacah dan Pemanfaatan Tumpi Jagung Dalam Pembuatan Pakan Ternak Di Desa Sintong Marnipi Kabupaten Toba samosir

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING , NAUAS DOMU MARIHOT ROMAULI

2025

Penerapan dan Pelatihan Alat Pengering Kolektor Surya kepada Petani Tembakau di Desa Batukarang Kabupaten Karo Provinsi Sumatera Utara

HENDRIK VOICE SIHOMBING

2022

Penelitian Dana Lokal Perguruan Tinggi

PENERAPAN TEKNOLOGI MESIN PENCACAH DAN PEMANFAATAN TUMPI JAGUNG DALAM PEMBUATAN PAKAN TERNAK DI DESA SINTONG MARNIPI KABUPATEN TOBA SAMOSIR

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING , MORIDA SIAGIAN , NAUAS DOMU MARIHOT ROMAULI , EMERSON PASCAWIRA SINULINGGA

2024

Penggunaan Teknologi Mesin Alat Penggiling dan Penerapan Hygiene Sanitasi Pada Usaha Makanan Ringan UMKM di Desa Lumban Gaol Kecamatan Balige

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING , TERIP KARO KARO , NAUAS DOMU MARIHOT ROMAULI

2023

PENERAPAN TEKNOLOGI PENGEMASAN MENGGUNAKAN MESIN CONTINUOUS BAND SEALER PADA PRODUK UMKM DI DESA PARDOMUAN NAULI KABUPATEN SAMOSIR

HIMSAR AMBARITA , HENDRIK VOICE SIHOMBING , EDY SYAHPUTRA HARAHAP , NAUAS DOMU MARIHOT ROMAULI

2024

Penerapan Mesin Pemotong Tembakau untuk Meningkatkan Produktivitas Usaha Petani Tembakau di Desa Payung Kabupaten Karo

HENDRIK VOICE SIHOMBING

Intellectual Property Rights

2021

Paten nasional

Alat Penukar Panas Untuk Menukar Panas Air Belerang

TULUS BURHANUDDIN SITORUS , HENDRIK VOICE SIHOMBING , FAREL HASIHOLOAN NAPITUPU

