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*Himsar Ambarita was born in Kampung Jagung, on the outskirts of the PTPN IV plantation in Simalungun, on June 10, 1972. He is a professor at the Universitas Sumatera Utara (USU) in the Faculty of Engineering and ranks 44th in the category of influential scientists worldwide. Himsar is listed among the top two percent of influential scientists globally, according to Elsevier BV and Stanford University.*

*He completed his undergraduate studies in Mechanical Engineering at USU, from July 1991 to September 1997. He earned his master's degree in Mechanical Engineering at the Bandung Institute of Technology (ITB) from August 1998 to June 2001, and pursued his doctoral studies at Muroran Institute of Technology, Japan.*

*Himsar has also served as an expert team member in various projects, including the preparation of the Regional Action Plan for Greenhouse Gas (GHG) Emission Reduction for the Government of North Sumatra in 2012, the Development of Nationally Appropriate Mitigation Actions (NAMAs) on Small-Scale Renewable Energy in Indonesia in 2013, and the preparation of the USU Long-Term Plan (RJP) 2014–2039, the Strategic Plan (Renstra) 2014–2019, and the Strategic Plan 2020–2024. Additionally, he has held the position of Chair of the World Class University (WCU) Team at USU. Now, he serves as a Director at the Directorate of Internationalization and Global Partnerships.*

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## Publications

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2021

Jurnal internasional bereputasi

### **Experimental study of seawater evaporation using natural convection principles**

HIMSAR AMBARITA

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2020

Jurnal internasional

### **FEM analysis of the HAZ temperature by heat source modeling on buttjoint process using msc marc mentat**

HIMSAR AMBARITA , CHARLES SP MANURUNG , RICHARD A M NAPITUPULU

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2022

Jurnal internasional bereputasi

### **DEVELOPMENT OF TIN COPPER ALLOYS IN SHELL AND TUBE EVAPORATOR HEAT EXCHANGER SYSTEMS IN OCEAN THERMAL ENERGY CONVERSE POWER PLANT**

HIMSAR AMBARITA , BASUKI

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2023

Jurnal internasional bereputasi

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

HOTMAN MANURUNG , HIMSAR AMBARITA

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2022

Prosiding seminar internasional

### **Effects of Winglet on the Aerodynamic Characteristics of Airfoil Wing NACA 4415**

2020

Jurnal internasional

**FEM analysis of the HAZ temperature by heat source modeling on butt-joint process using msc marc mentat**

CHARLES SP MANURUNG , HIMSAR AMBARITA , RICHARD A M NAPITUPULU

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2021

Jurnal internasional bereputasi

**Utilization of Renewable and Conventional Energy in Palm Oil Industry in Indonesia**

HIMSAR AMBARITA

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2022

Jurnal internasional bereputasi

**Investigation of the effect of a solar collector, nozzle, and water cooling on solar still double slope**

HIMSAR AMBARITA , FAREL HASIHOLOAN NAPITUPU

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2024

Prosiding seminar internasional

**Comparative analysis of coffee drying on quality with variations in dryers made solar collectors**

PARULIAN SIAGIAN , HIMSAR AMBARITA

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## Researches

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2015

Penelitian Fundamental

**Karakteristik adsorben campuran alumina aktif dan karbon aktif sebagai gener**

HIMSAR AMBARITA , FAREL HASIHOLOAN NAPITUPU

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2014

Penelitian Hibah Bersaing

**Perbaikan Mutu Kakao Indonesia Melalui Metode Pengeringan**

HIMSAR AMBARITA , FAREL HASIHOLOAN NAPITUPU

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## Community Services

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2013

Penelitian Fundamental

**Karakteristik adsorben campuran alumina aktif dan karbon aktif sebagai gener**

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