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Ir. Surya Hardi, M.S., Ph.D., was born in Medan on June 07, 1959, and is a lecturer at Universitas Sumatera Utara in the field of Electrical Engineering. He completed his last education at the doctoral level at the Faculty of Electrical Systems Engineering (Electro Engineering) Electrical Systems Engineering Study Program Universiti Malaysia Perlis (UniMAP) in 2006-2015. His awards include Certificate Presenter and Certificate Presenter.

Publications

2026
Prosiding seminar internasional

Analysis of Parameters That Affect the Safety of Substation Grounding Grids in Non-Homogeneous Soils

SURYA HARDI , FAHMI

2025
Jurnal internasional bereputasi

Techno-economic optimization of hybrid renewable energy systems for household energy management

SURYA HARDI , FAISAL IRSAN PASARIBU , SUWARNO , AHMAD TAUFIK , ALBERT PANJAITAN

2025
Prosiding seminar internasional

The Influence of Soil Two-Layer Structures on Substation Safety in Lightning Strike Conditions

SURYA HARDI

2025
Prosiding seminar internasional

Analysis of Soil Types and Grid Configurations on Substation Grounding for Safety Design Due to Lightning Strike

SURYA HARDI , Muhd Hafizi Idris

2025
Prosiding seminar internasional

Induction Motor Performance Under Voltage Sag Type I, Type II, and Type III: Experimental Study

SURYA HARDI , AHMAD ARIF , DESMAN JONTO SINAGA , MUHAMMAD DANI SOLIHIN , Muzamir Isa

2024
Artikel ilmiah

Induction Motor Performance Under Voltage Sag Types I, II and III: Experimental Study

SURYA HARDI , AHMAD ARIF , DESMAN JONTO SINAGA , MUHAMMAD DANI SOLIHIN

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Reactive power optimization analysis on static VAR compensator with fast decoupled method

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Analysis of soil resistivity improvement with variations of bentonite and chemical for grounding of electrical equipment

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MUHAMMAD IRWANTO , SURYA HARDI , SUWARNO

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Mitigation of soil resistivity using composition of zeolite, NaCl, and charcoal

SURYA HARDI

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Simulation of induction motor behavior under voltage sags using alternative transient program

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Mitigation of voltage sags in distribution line system using static VAR compensator and static synchronous compensator

SURYA HARDI , INDRA NISJA , ROHANA

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Improved Quality of using Voltage Static Var Compensator and Capacitor Bank on the Transmission Line

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Modeling Of Generator Neutral Grounding Through Distribution Transformer Using Lab View Graphical User Interface

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Influence of Location and Capacity of Distributed Generations on Voltage Sags Mitigation Using Alternative Transient Program

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Influence of Static VAR Compensator Application for Improving Power Quality in Distribution Lines Supplied Industry

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2019
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Modeling of Substation Grounding Grid Design Using Lab View Graphical User Interface

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A Study on Usability Requirement for Redesigning Student Information System

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2019
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Study on AC Contactor Performance UnderVoltage Sags

SURYA HARDI

2019
Prosiding seminar internasional

Prediction system of carbon monoxide toxic gas monitoring using double moving average method

SURYA HARDI , FAHMI , SUHERMAN

2019
Jurnal internasional

Ride Through Testing of Variable Speed Drive Due To Voltage Sag Types (Types I, II and III)

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2015
Prosiding seminar internasional

Accurate Phase to Phase Fault Resistance Calculation Using Two Terminal Data

SURYA HARDI

2013
Prosiding seminar internasional

Core Loss Characteristics Analysis of Power Transformer Under Different Frequencies Excitation

SURYA HARDI

Community Services

2026

PENGURUS BADAN KEMAKMURAN MASJID AL-IKHLAS KELURAHAN SUKA MAJU KECAMATAN MEDAN JOHOR KOTA MEDAN PERIODE 2024-2029

SAPARUDDIN , SURYA HARDI

2024

PENGURUS BADAN KEMAKMURAN MASJID AL-IKHLAS KELURAHAN SUKA MAJU KECAMATAN MEDAN JOHOR KOTA MEDAN PERIODE 2024-2029

SURYA HARDI

2024

Susunan Pengurus Badan Kemakmuran Masjid Al-Ikhlas

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