



CURRICULUM VITAE

Krismadinata, ST., MT., Ph.D.

Faculty: Fakultas Teknik

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Biography

Scopus of the Last 5 Years

EXPERIMENTAL INVESTIGATION OF WATER TO AIR HEAT EXCHANGER PERFORMANCE AS PASSIVE COOLING STRATEGY ON VENTILATION SYSTEM IN TROPICAL REGION. EUREKA, Physics and Engineering, Lapisa R., 2023

A Systematic Literature Review of Teaching and Learning on Object-Oriented Programming Course. International Journal of Information and Education Technology, Efan, 2023

Optimized Design of Residential Building Envelope in Tropical Climate Region: Thermal Comfort and Cost Efficiency in an Indonesian Case Study. Journal of Architectural Engineering, Lapisa R., 2022

E-learning Courseware Development for Power Electronics Course. International Journal of Interactive Mobile Technologies, Krismadinata, 2022

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A new algorithm with different modulation index (MI) in cascaded h-bridge multilevel inverters (CHB MLIS). *Journal of Theoretical and Applied Information Technology*, Omar R., 2019

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Development of Industrial Electrical Installation Trainer Nuanced to Training within Industry for Students of Electrical Industrial Engineering Universitas Negeri Padang. *Journal of Physics: Conference Series*, Elfizon, 2019

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COMPARISON OF VARIOUS CONDUCTION MODES FOR THREE-PHASE INVERTER. Journal of Theoretical and Applied Information Technology 100 (7), 2022, K KRISMADINATA¹², I HUSNAINI¹², A ASNIL¹², RO REMON LAPISA, 2022

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Integrated Solar Thermal-induced Ventilation With Thermoelectric Generator Untuk Efisiensi Energi Dan Kenyamanan Bangunan. Pd-penelitian Dasar, Leader: Remon Lapisa, Implementation Year: 2022

Rancang Bangun Training Kits Dc-dc Converter Sebagai Media Pratikum Elektronika Daya Dengan Graphical User Interface. Pt-penelitian Terapan, Leader: Krismadinata, Implementation Year: 2022

Pemodelan Dan Karakterisasi Electronic Load Controller Generator Induksi Untuk Pembangkit Listrik Tenaga Piko Hidro. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Krismadinata, Implementation Year: 2022

Alternatif Peningkatan Produksi Energi Listrik Pada Pembangkit Listrik Tenaga Surya Menggunakan Konsep Pelacak Posisi Matahari. Pd-penelitian Dasar, Leader: Asnil, Implementation Year: 2022

Alternatif Peningkatan Produksi Energi Listrik Pada Pembangkit Listrik Tenaga Surya Menggunakan Konsep Pelacak Posisi Matahari. Pdpt-penelitian Dasar, Leader: Asnil, Implementation Year: 2021

Pemodelan Dan Karakterisasi Electronic Load Controller Generator Induksi Untuk Pembangkit Listrik Tenaga Piko Hidro. Pdpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Dasar, Leader: Krismadinata, Implementation Year: 2021

Integrated Solar Thermal-induced Ventilation With Thermoelectric Generator Untuk Efisiensi Energi Dan Kenyamanan Bangunan. Pdpt-penelitian Dasar, Leader: Remon Lapisa, Implementation Year: 2021

Rancang Bangun Training Kits Dc-dc Converter Sebagai Media Pratikum Elektronika Daya Dengan Graphical User Interface. Ptpt-penelitian Terapan, Leader: Krismadinata, Implementation Year: 2021

Manajemen Energi Bangunan Berbasis Internet Of Thing. Penelitian Dasar, Leader: Krismadinata, Implementation Year: 2020

Aplikasi Integrasi Pembangkit Listrik Tenaga Surya Dengan Pemanas Surya Untuk Rumah Hemat Energi. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Krismadinata, Implementation Year: 2020

Rancang Bangun Smart Halte Hemat Energi Dengan Integrasi Pembangkit Listrik Tenaga Surya Dan Termoelektrik. Penelitian Pengembangan, Leader: Krismadinata, Implementation Year: 2020

Rancang Bangun Penyearah Terkendali Tiga Fasa Untuk Simulator Pembangkit Listrik Tenaga Surya (plts). Penelitian Dasar, Leader: Asnil, Implementation Year: 2020

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Penerapan Kendali Kecepatan Tanpa Sensor Pada Penggerak Kendaraan Listrik Berbasis Teknologi Fpga (field Programmable Gate Array). Penelitian Unggulan Perguruan Tinggi Dasar, Leader: Risfendra, Implementation Year: 2019

Aplikasi Integrasi Pembangkit Listrik Tenaga Surya Dengan Pemanas Surya Untuk Rumah Hemat Energi. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Krismadinata, Implementation Year: 2019

Rancang Bangun Smart Home Berbiaya Rendah, Hemat Energi Dan Tahan Gempa Pada Daerah Tropis Dan Rawan Bencana. Penelitian Unggulan Perguruan Tinggi Dasar, Leader: Krismadinata, Implementation Year: 2019

Community Service of the Last 5 Years

Pengembangan Pusat Produksi Peralatan Praktikum Teknologi Kejuruan. Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Krismadinata, Implementation Year: 2022

Rancang Bangun Pembangkit Listrik Tenaga Piko Hidro Sebagai Sumber Energi Berkelanjutan Ramah Lingkungan Bagi Masyarakat Ngalau Baribuik Batu Gadang Padang. Program Pengembangan Nagari Binaan (ppnb), Leader: Remon Lapisa, Implementation Year: 2022

Pengembangan Pusat Produksi Peralatan Praktikum Teknologi Kejuruan. Program Pengembangan Usaha Produk Intelektual Kampus (ppupik), Leader: Krismadinata, Implementation Year: 2021

Peningkatan Kompetensi Bidang Internet Of Thing (iot) Melalui Workshop Perancangan Dan Aplikasi Iot Berbasis Arduino Di Smk N 1 Sutera Kabupaten Pesisir Selatan. Program Kemitraan Masyarakat (pkm), Leader: Asnil, Implementation Year: 2020

Peningkatan Kompetensi Guru Dalam Penguasaan Teknologi Informasi Dan Komunikasi Melalui Pelatihan Pengembangan Media Pembelajaran Berbasis Android. Program Kemitraan Masyarakat (pkm), Leader: Dwiprima Elvanny Myori, Implementation Year: 2019

Peningkatan Produksi Pertanian Melalui Irigasi Berbasis Energi Terbarukan Menuju Nagari Mandiri Energi Di Kenagarian VII Koto Talago Kecamatan Guguk Kabupaten 50 Kota. Program Pengembangan Nagari Binaan (ppnb), Leader: Krismadinata, Implementation Year: 2019

IPR's of the Last 5 Years

Data Logger Karakteristik Panel Surya. Inventor: Asnil, Krismadinata, Irma Husnaini, Dhalmiga Pratama, Bagus Suryanto, Publication Date: 2021-07-01

BOOST CONVERTER. Inventor: Asnil, Krismadinata, Irma Husnaini, Junaidi Akbar, Publication Date: 2022-05-15

Sistem Pelacak Posisi Matahari Menggunakan Sumbu Ganda. Inventor: Asnil, Krismadinata, Irma Husnaini, Dhalmiga Pratama, Bagus Suryanto, Publication Date: 2021-07-01

BUCK CONVERTER. Inventor: Asnil, Krismadinata, Irma Husnaini, Junaidi Akbar, Publication Date: 2022-05-15

Aplikasi Pengendali PI dan PID Pada Kendali Kecepatan Motor DC Shunt. Inventor: Irma Husnaini, ST., MT; Krismadinata, ST., MT., Ph.D; Asnil, S.Pd., M.Eng, Publication Date: 2020-11-18

: PROTOTYPE RANCANG BANGUN PENYEARAH TERKENDALI TIGA FASA UNTUK SIMULATOR PEMBANGKIT LISTRIK TENAGA SURYA (PLTS). Inventor: Asnil, Krismadinata, Irma Husnaini, Publication Date: 2019-11-27

Alat Uji Karakteristik Panel Surya. Inventor: Asnil, Krismadinata, Irma Husnaini, Publication Date: 2020-11-02

Book of the Last 5 Years

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