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Publications

2026
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The effect of reinforcement on the properties of FeNiCuAl medium-entropy alloy

SUPRIANTO , M DALIL , TULUS BURHANUDDIN SITORUS , DYNA AYUNITA , BAKHRUL ILMI , HAZWAN CHAITAMI HRP , KHALBI AYUB

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STUDI KARAKTERISTIK LASAN ALUMUNIUM 6061-T6 DENGAN BERBAGAI METODE PENGELASAN

SUPRIANTO , JOSUA SIMAREMARE

2024
Prosiding seminar internasional

Multilayer PZT/PVDF Composite Films for HighPerformance Force Sensor and Energy Harvesting Applications.

SUPRIANTO , SUPRAPTO , ESWANTO , JUBAIDAH

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AMLYS SYAHPUTRA SILALAHI , FARIDA ARIANI , SUPRIANTO , HARIADI SUSILO , GUSTIANINGSIH , AMHAR KUDADIRI , MARUF TAFSIN , PENI PATRIANI

2024
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Study on microstructure evolution and mechanical properties of similar joint of Al-Mg-Si alloy by tungsten inert gas welding

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Effect of welding parameters on microstructure, mechanical properties and environment

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Study of (Ni,Cr) pre-milling for synthesis of CoFe(NiCr)Mn high entropy alloy by mechanical alloying

SUPRIANTO

2020
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The role of Co/Fe ratio and in-situ Y dispersoids on microstructure and mechanical properties of CoFeNiMnCr high entropy alloys

SUPRIANTO

2020
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Microstructure and mechanical properties of AlCuNiFeCr high entropy alloy coatings by mechanical alloying

SUPRIANTO

2019
Jurnal internasional bereputasi

Effects of nano-dispersoids on synthesis and characterization of low Crcontaining CoNiFeMnCr high entropy alloy by mechanical alloying

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2019

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Influence of Ta and Y2O3 on synthesis, phase evolution and mechanical properties of Co-Al-W based alloys

SUPRIANTO

2016

Prosiding seminar internasional

Effect of pressure on mechanical properties of A356 aluminum castings using squeeze casting method

SUPRIANTO

2015

Jurnal internasional

Fabrication of an aluminum matrix piezocomposite using hollow piezoelectric fiber

SUPRIANTO

Researches

2025

Penelitian Tim Pasca Sarjana

Pengaruh variasi komposisi dan parameter forging terhadap perbaikan sifat mekanis paduan CuNiFe diperkuat (Mo/W/Al

SUPRIANTO

2025

Penelitian Fundamental

Optimasi parameter proses metalurgi serbuk pada sintesis paduan logam berbasis tembaga sebagai bahan alternatif komponen elektroda kelistrikan

SUPRIANTO

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Penelitian Tim Pasca Sarjana

Pengaruh penambahan nano partikel Y2O3 terhadap karakteristik mekanis paduan Fe-based medium entropy alloy disintesis menggunakan teknik metalurgi serbuk

SUPRIANTO

2025

Penelitian Dana Lokal Perguruan Tinggi

Penerapan berbagai metode pencampuran serbuk terhadap perbaikan karakteristik komposit matrik (CuNi) diperkuat partikel keramik

SUPRIANTO

2023

Penelitian Fundamental

Pengembangan material (Cu/Ni)-Refractory element Sebagai Alternatif Bahan Dasar Komponen Elektroda EDM Menggunakan Teknologi Metalurgi Serbuk

FARIDA ARIANI , SUHERMAN , SUPRIANTO

Community Services

2026

DIGITALISASI FORMULASI PAKAN TERNAK BERBASIS MATEMATIKA KOMPUTASI DAN MEKANISASI TEKNOLOGI MIXER UNTUK OPTIMASI

AGRIBISNIS DI DESA BANDAR MALELA, KABUPATEN SIMALUNGUN

HELOVA LEONARD PANJAITAN , AMLYS SYAHPUTRA SILALAHI , PENI PATRIANI , TULUS , SUPRIANTO

2022
Penelitian Dana Lokal Perguruan Tinggi

PENGUATAN TUJUAN PEMBANGUNAN BERKELANJUTAN (SUSTAINABLE DEVELOPMENT GOALS) PENYEDIAAN MESIN PRODUKSI PAKAN TERNAK BIBIT IKAN LELE DI DOLOK ILIR I (BAH BOLON) KECAMATAN DOLOK BATU NANGGAR KABUPATEN SIMALUNGUN

AMHAR KUDADIRI , GUSTIANINGSIH , FARIDA ARIANI , SUPRIANTO

2021

Pembinaan dan Pengembangan UKM Ayam Goreng di Desa Naga Jaya I Kecamatan Bandar Huluan Kabupaten Simalungun

HARIADI SUSILO , SUPRIANTO

2014
Penelitian Fundamental

Optimalisasi Kinerja Mesin Mixer Buatan Sendiri Dengan Metode Single Belting Dan

2013
Ipteks Bagi Masyarakat

IbM Meningkatkan Kualitas Gabah Padi Bagi Kelompok Usaha Tani

Intellectual Property Rights

2026
Hak cipta nasional

Pelatihan dan Praktik Digitalisasi Formulasi Pakan Ternak Berbasis Matematika Komputasi Dan Mekanisasi Teknologi Mixer Di Desa Bandar Malela Kecamatan Gunung Maligas, Kabupaten Simalungun

PENI PATRIANI , TULUS , AMLYS SYAHPUTRA SILALAHI , HELOVA LEONARD PANJAITAN , SUPRIANTO

2025
Paten nasional

Sudu Turbin Air Vortex Untuk Optimalisasi Fluida Dan Efisiensi Energi

IDHAM KAMIL , HIMSAR AMBARITA , SUPRIANTO , TULUS BURHANUDDIN SITORUS