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*Suprianto S.T., M.T., Ph.D dilahirkan di Bdr Tinggi, Simalungun pada tanggal 08 September 1979. Beliau merupakan seorang dosen Teknik Mesin di Universitas Sumatera Utara dengan bidang ilmu Material Science & Engineering. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3, program studi Material Science & Engineering di National Dong Hwa University pada tahun 2020.*

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## Publications

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2023

Jurnal nasional terakreditasi

**The role of Cu element and compaction pressure on microstructure and mechanical Properties of Al-Cu binary alloy synthesized by powder metallurgy**

SUPRIANTO

2019

Jurnal internasional bereputasi

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

SUPRIANTO

2020

Jurnal internasional bereputasi

**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**

SUPRIANTO

2021

Jurnal internasional bereputasi

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

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2016

Prosiding seminar internasional

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

SUPRIANTO

2023

Jurnal nasional terakreditasi

**Effect of Welding Current on Mechanical Properties and Microstructure of Aluminium AA1135 Alloys by Gas Tungsten Arc Welding (GTAW)**

SUPRIANTO

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2020

Jurnal internasional bereputasi

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

SUPRIANTO

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2022

Jurnal internasional bereputasi

### **Study of Cu Effect and In-situ Ytria Dispersoids on Microstructure Evolution of Mechanically Alloyed CoFeNiCrCu High Entropy Alloys**

SUPRIANTO

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2024

Prosiding seminar internasional

### **Effect of welding parameters on microstructure, mechanical properties and environment**

SUPRIANTO

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2024

Prosiding seminar internasional

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

SUPRIANTO

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2025

Jurnal nasional terakreditasi

### **Investigation of microstructural, mechanical, and electrical characteristics of CuNi5W alloy synthesized by warm compaction**

SUPRIANTO , AGUNG ARDIYANSYAH , BAGUS PRASETIYO , IRFAN SITORUS

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2025

Jurnal nasional terakreditasi

### **STUDI KARAKTERISTIK LASAN ALUMINIUM 6061-T6 DENGAN BERBAGAI METODE PENGELASAN**

SUPRIANTO , JOSUA SIMAREMARE

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2025

Jurnal nasional terakreditasi

### **The Effect of Composition and Sintering Temperature on The Characteristics of xCu-yNi-5 wt.%W Alloy as A Candidate Electrode Material**

SUPRIANTO , DWIKI RIFHARDI SIREGAR , Muhammad Fahan Azmi , MUHAMMAD AKHSAL

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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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2015

Jurnal internasional

### **Fabrication of an aluminum matrix piezocomposite using hollow piezoelectric fiber**

SUPRIANTO

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## **Researches**

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2024

Penelitian Fundamental

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

M. SABRI , SUPRIANTO

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2021

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

HARIADI SUSILO , SUPRIANTO

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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**

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