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Prof. Dr. Ir. Armansyah Ginting, M.Eng. dilahirkan di Medan pada tanggal 07 August 1968 merupakan seorang dosen di Universitas Sumatera Utara dengan bidang ilmu Teknik Manufaktur. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3 di Fakultas Fakulti Kejuruteraan Program Studi Jabatan Mekanikal dan Material University Kebangsaan Malaysia pada tahun 1999.

Publications

2026

Jurnal internasional bereputasi

Performance Analysis of Aluminium Alloy 6063-T5 Grooved Hollow Pipes For Goat Housing Structure Application

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Jurnal internasional bereputasi

THE OPTIMUM PROCESS PARAMETER WHEN CUTTING OF THIN PLATE MADE OF STAINLESS STEEL 316L USING CO2 LASER

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Jurnal internasional

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THE EFFECT OF PROVIDING GOAT MANURE AND ADDITIN WATER WITH THE PARTIAL ROOT ZONE (PRD) METHOD IN INCREASING THE GROWTH AND PRODUCTION OF TOMATO PLANTS (LYCOPERSICUM ESCULENTUM MILL) USING A DIGITAL SOIL MOISTURE METER IN NORTH SUMATERA

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Machine Learning-Based Surfaced Roughness Prediction In Turning Of Hardened AISI 4340 Steels: Incorporating Tool Wear Via Cutting Length

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Jurnal internasional bereputasi

CUTTING OF 316L STAINLESS STEEL FOR METAL MESH IMPLANT USING CO2 LASER CUTTING: ANALYSIS AND OPTIMIZATION

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Jurnal internasional bereputasi

STUDY ON PERFORMANCE OF MACHINE LEARNING MODELS IN PREDICTING SURFACE ROUGHNESS WHEN TURNING HARDENED AISI 4340 STEEL USING CERMET CUTTING TOOL

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APPLICATION OF RESPONSE SURFACE METHOD FOR LIPASE MEDIATED SYNTHESIS OF FATTY ACIDAMIDE BIOSURFACTANT FROM DIETHANOLAMINE AND GLUCOSAMINE

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A systematic study of the variables that control the synthesis of n-acyl l-lysine from hexadecanoic acid in a stirred tank reactor

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STUDY ON CUTTING CONDITION, PRODUCTIVITY, AND SURFACE ROUGHNESS WHEN TURNING OF HARDENED AISI 1045

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A RESPONSE SURFACE METHOD FOR THE PREPARATION OF N-LAUROYL LYSINE FROM MEDIUM CHAIN FATTY ACID CATALYZED BY SODIUM METOXIDE

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Load characteristics of cold water pipe based on fibreglass-filled HDPE composites

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Study on characteristics of AlTiN and TiCN coating layers deposited on carbide cutting tools in hard turning of steel: Experimental, simulation and optimisation

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A study of surface integrity when machining refractory titanium alloys

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Jurnal internasional bereputasi

SYNTHESIS OF N-ACYL ARGININE SURFACTANTS FROM TETRADECANOL AND ARGININE USING TERT-AMYL ALCOHOL

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Study on cutting performance of cermet tool in turning of hardened alloy steel

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Optimizing process condition for amidification of stearic acid and urea using response surface methodology

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A Thermomechanical Modeling and Experimental Validation of the Gear Finish Hobbing Process

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Increasing productivity in hard turning of steels using CVD-coated carbide

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Optimization of alkyl-diethanolamide synthesis from fatty acid methyl ester of coconut oil using box-behnken design

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Response Surface Methodology for the Optimization of Coco ethanolamide Production From Coconut oil

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The characteristics of CVD- and PVD-coated carbide tools in hard turning of AISI 4340

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Optimization of A Two-Step Method to Synthesize Azelaic Acid from Oleic Acid

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Performa Lapisan Diamond Film CVD Pahat Karbida Melalui Pendekatan Interaksi Secara Kimiawi Bahan AISI 1070 Operasi Bubut Kering

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KAJIAN KINERJA PAHAT KARBIDA BERLAPIS DIAMOND FILM PADA PEMBEBANAN TERMAL PEMESINAN KERING

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2015

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Kajian Kinerja Pahat Karbida Berlapis Diamond Film Pada Pembebanan Thermal Pemesinan Kering

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A new optimization approach based on Kriging interpolation and sequential quadratic programming algorithm for end milling refractory titanium alloys

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2008

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Surface integrity of dry machined titanium alloys

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Analysis of the adhesion wear mechanism and brittle failure of carbide tools when dry machining the aeronautical titanium alloy: Ti-6Al-4V

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Researches

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Penelitian Dana Lokal Perguruan Tinggi

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Studi Kinetika dan Aplikasi Katalis Kalsium Oksida Super Basa pada Sintesis Fatty Amida secara Kondensasi

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Penelitian Dana Lokal Perguruan Tinggi

Pembesaran Skala Sintesis N-acyl Asam Amino dari Asam Lemak Jenuh dan Fatty Alkohol dalam Reaktor Tangki Berpengaduk

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2020

Sistem MQL untuk Mengoptimalkan Kinerja Pahat Ceramic Metal pada Pemesinan Baja Paduan yang Dikeraskan

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2019

Penelitian Dana Lokal Perguruan Tinggi

Experimental and Simulation Studies on Performance of Ceramic Metal (CERMET) Tool in Hard Machining of AISI 4340 HSLA Steel

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2019

Penelitian Dana Lokal Perguruan Tinggi

Optimasi Sintesis Surfaktan Berbasis Asam Amino dari Metil Ester Asam Lemak Minyak Kelapa dan L-lysine

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Pengembangan Sintesis Cocamide DEA dari Minyak Kelapa Melalui Proses Transesterifikasi dan Amidasi dengan Katalis Heterogen

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Performa dan Perilaku Tribologi Lapisan Pahat pada Pembubutan Baja yang Dikeraskan: Studi Eksperimen dan Numerik

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Optimasi Proses pada Produksi Asam Azelat Melalui Pemecahan Oksidatif Asam Oleat Minyak Sawit

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2017

Penelitian Dana Lokal Perguruan Tinggi

Perbandingan Prestasi Ketermesinan Pahat Karbida Berlapis pada Pembubutan Keras Baja AISI 4340

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Kerjasama Luar Negeri dan Publikasi Internasional

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Ipteks Bagi Masyarakat

PENDAMPINGAN PENGEMBANGAN USAHA ES KRIM PREBIOTIK PROBIOTIK DI KELOMPOK USAHA BERSAMA TANI TERNAK, DESA TADUKAN RAGA, KECAMATAN STM HILIR, KABUPATEN DELI SERDANG

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OPTIMALISASI OUTPUT BIOGAS MELALUI PELATIHAN MEMBUAT BIOAKTIVATOR DAN MERAKIT KOMPOR BIOGAS DI KELOMPOK BIOGAS TADUKEN RAGA, KECAMATAN SINEMBAH TANJUNG MUDA HILIR, KABUPATEN DELI SERDANG

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2018

Pengaruh Makanan dan Minuman yang Dikonsumsi Siswa-siswa SMP

Perguruan Islam Terpadu Nurul Azizi

NISMAH PANJAITAN , DINI WAHYUNI , RENITA MANURUNG , ARMANSYAH GINTING

2017

Ipteks

Upaya Meningkatkan Keterampilan Masyarakat Mengolah Biji Kopi Desa Lumban Suhi-suhi Kaputaben Samosir

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