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Dr. Eng. Ir. Indra M.Sc dilahirkan di Pekan baru pada tanggal 24 Oktober 1964 merupakan seorang dosen Mesin di Universitas Sumatera Utara. Beliau menyelesaikan jenjang Doktoral di Program Studi Environment and Life Engineering di Toyoshi University Of Technology tahun 2008.

Publications

2026
Jurnal internasional bereputasi

Investigation of laser irradiation power and beam angle on Ni-Cr metals in improving shear-bond strength of adhesive bridge

INDRA IR MSC DR ENG , PUTRI WELDA UTAMI RITONGA , Haslinda Z Tamin , WINNIE MUNTE

2025
Prosiding seminar internasional

Bending Strength Respons of Composite Core Paper (CCP)-Based Pallet by Finite Element Method (FEM) Using ANSYS

INDRA IR MSC DR ENG

2025
Prosiding seminar internasional

Effect of Thermomechanical Processing on the Mechanical Properties

INDRA IR MSC DR ENG

2024
Jurnal internasional bereputasi

Alumina Particle Size and Abrasion Pressure on Resin Cement Bond Strength in Adhesive Bridges

INDRA IR MSC DR ENG , PUTRI WELDA UTAMI RITONGA

2024
Prosiding seminar internasional

Bending Strength Response of Composite Core Paper (CCP)-Based Pallet by Finite Element Method (FEM) Using ANSYS

INDRA IR MSC DR ENG

2022
Jurnal internasional

The role of coping material type and collarles margin design toward fracture resistance of metal porcelain restoration

HASLINDA Z TAMIN , RICCA CHAIRUNNISA , INDRA IR MSC DR ENG

2022
Jurnal internasional

The effect of coping materials and designs to the marginal adaptation of metal porcelain crowns

INDRA IR MSC DR ENG , ARIYANI DRG , HASLINDA Z TAMIN

2022
Jurnal internasional

Effectiveness of Guava Leaf Extract (Psidium guajava L.) as Corrosion Inhibitor of Stainless Steel Orthodontic Wire

INDRA IR MSC DR ENG , RICCA CHAIRUNNISA , HASLINDA Z TAMIN

2022
Buku lainnya

The Simulation of Fracture Resistance and Stress Distribution of Teeth In Endodontic Post-Treatment of Different Ferrule By Finite Element Analysis

INDRA IR MSC DR ENG , TRIMURNI ABIDIN , RASINTA TARIGAN

2021
Prosiding seminar internasional

The Effect of Noise on Average Beta EEG Signal

INDRA IR MSC DR ENG , LISTIANI NURUL HUDA

2021
Jurnal internasional bereputasi

A Simulation of Fracture Resistance and Stress Distribution of Endocrown in Diferent Depth of Pulp Chamber and Modification: Finite Element Analysis

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2021
Jurnal internasional

A Simulation of Fracture Resistance and Stress Distribution of Endocrown in Different Depth of Pulp Chamber and Modification: Finite Element Analysis

INDRA IR MSC DR ENG , TRIMURNI ABIDIN , RASINTA TARIGAN

2021
Jurnal internasional bereputasi

Surface treatment and resin cement effect on ni-cr metal to shear bond strength of adhesive bridge

RICCA CHAIRUNNISA , INDRA IR MSC DR ENG , HASLINDA Z TAMIN

2020
Jurnal internasional bereputasi

The Effects of Coping Design and Firing Temperature to the Marginal Adaptation of Metal Porcelain Crowns.

RICCA CHAIRUNNISA , HASLINDA Z TAMIN , INDRA IR MSC DR ENG

2020
Prosiding seminar internasional

Analysis Skin Temperature Distribution of Thermal Manikin

INDRA IR MSC DR ENG , LISTIANI NURUL HUDA

2020
Buku lainnya

Value Engineering of Coco Peat Product to Increase Productivity

LISTIANI NURUL HUDA , A RAHIM MATONDANG , INDRA IR MSC DR ENG

2020
Buku lainnya

Thermal Manikin Construction Using Arduino Microcontroller

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG

2019
Jurnal internasional

DIMENSIONAL ACCURACY OF PUTTY-WASH ONE-STEP AND TWO-STEP IMPRESSION TECHNIQUE IN FABRICATION OF FIXED PARTIAL DENTURE

INDRA IR MSC DR ENG , SYAFRINANI

2019
Jurnal internasional

The influence of coping designs on labio-marginal towards fracture resistance of metal-porcelain restoration

INDRA IR MSC DR ENG

2017
Jurnal internasional

Effect of Temperature And Number of Opaque Porcelain Firing on Bond Strength of Metal-Ceramic Fixed Partial Denture

INDRA IR MSC DR ENG

2017
Jurnal internasional

Effect of Thermocycling and Polyethylene Fibre Addition on Impact and Transversal Strength of Heat Cured Acrylic Resin Denture Base Material

INDRA IR MSC DR ENG , ISMET DANIAL NASUTION

2013
Jurnal nasional terakreditasi

Pengaruh Penambahan Fiber Glass Reinforced Terhadap Penyerapan Air Dan Stabilitas Warna Bahan Basis Gigi Tiruan Nilon Termoplastik (Effect Of Fiber Glass Reinforced Addition ToÃƒâ€šÃ‚Â â€¦

INDRA IR MSC DR ENG , HASLINDA Z TAMIN , ARIYANI DRG

2009
Jurnal internasional bereputasi

Atmospheric pressure chemical vapor deposition mechanism of Al2O3 film from AlCl3 and O2

INDRA IR MSC DR ENG

2007
Jurnal internasional

Sintering and Mechanical Properties of Alumina Prepared by Nanosize Alumina

INDRA IR MSC DR ENG

Researches

2026
Ipteks

Analisis Perilaku Pengendara Sepeda Motor dengan Pendekatan Naturalistic Driving Study (Studi Kasus Pengendara Mahasiswa)

LISTIANI NURUL HUDA , DONNI SYAHRIAL HANAFI DAULAY , INDRA IR MSC DR ENG

2026

Evaluasi Kelelahan Supir Bus di Wilayah Medan oleh Kementerian Ketenagakerjaan Republik Indonesia

LISTIANI NURUL HUDA , DONNI SYAHRIAL HANAFI DAULAY , INDRA IR MSC DR ENG

2025

Optimasi Rasio Serat Panjang dan Pendek untuk Meningkatkan Kekuatan Tarik Composite Core Papers (CCP)

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG , IBRAHIM MUTTAQINA MAFAZA , SRI HARTATI , SUCIPTO , HENDRO DARMONO

2025

Analisis Resistansi Pakaian terhadap Kondisi Kelonggaran Baju Kerja pada Thermal Manikin

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG , SULIS SETYOWATI , FATA EL FARUQ SIREGAR , JOSEPH ADRIAN PUTRA MENDROFA , MUFIIDAH ZULFAA

2025
Ipteks Bagi Inovasi Kreativitas Kampus

Desain Pallet

INDRA IR MSC DR ENG , Sutjipto

2024
Penelitian Disertasi Doktor

Sintesis Scaffold Sheet Berbahan Gondorukem dengan Pengisi Nano Hidroksiapatit Sisik Ikan Nila untuk Reminalisasi Gigi

HALIMATUDDAHLIANA , NINA DJUSTIANA , KHOLIDINA IMANDA HARAHAP , INDRA IR MSC DR ENG , KHOLIDINA IMANDA HARAHAP

2022
Ipteks

Pembuatan Pallet Kekuatan Tinggi dari Core Kertas karton Daur Ulang

INDRA IR MSC DR ENG

2021
Ipteks

Pembentukan Kluster Keilmuan Program World Class University (WCU) USU: Kluster Keilmuan Ergonomi

LISTIANI NURUL HUDA , CHINDY ELSANNA REVADI , ANIZAR , ARMAN SANI , INDRA IR MSC DR ENG

2016
Ipteks Bagi Masyarakat

IbM Kelompok Usaha Kerajinan Pandan Di Serdang Bedagai Sumatera Utara

M. SABRI , INDRA IR MSC DR ENG

2013
Penelitian Hibah Bersaing

Kajian Paparan Panas Lingkungan Kerja Terhadap Kenyamanan Termal dan Produktivitas

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG

2013
Ipteks Bagi Masyarakat

IbM KELOMPOK PANDAI BESI DI PANCUR BATU KABUPATEN DELISERDANG SUMATERA UTARA

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG

Community Services

2026
Ipteks

Sosialisasi dan Pembekalan Kerja Global Peluang Pendidikan Magang dan Pekerja Terampil di Jepang

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG

2025

Intervensi Ergonomi pada Tenaga Kerja di Rumah sakit sesuai SNI 9011:2021

LISTIANI NURUL HUDA , INDRA IR MSC DR ENG , ANNISA NURFADHILAH , ADRIAN YOSEFUS VIANO

2024

Musrenbang Daerah Labuhan Batu Selatan

BADARUDDIN , ERLINA , INDRA IR MSC DR ENG

2014
Penelitian Hibah Bersaing

Pengembangan Desain Baru dan Manufaktur Alat Pemanen Sawit Mekanis Untuk Meningk

2013
Penelitian Hibah Bersaing

Pengembangan Desain Baru dan Manufaktur Alat Pemanen Sawit Mekanis Untuk Meningk

Intellectual Property Rights

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mekanika kekuatan bahan

INDRA IR MSC DR ENG

2026
Hak cipta nasional

BUKU AJAR METODOLOGI PENELITIAN ILMIAH

LALU SUHIRMAN , ALVIRA PRANATA , UCOK BINANGA NASUTION , KOMANG MEYDIANA HUTAMA PUTRI , NELDA MUSTIKA , MUHAMMAD RIJALI RAIS , PUTU GEDE SUBHAKTIYASA , Sa’dianoor , LISTIANI NURUL HUDA , RAHMAHIDAYATI SARI , INDRA IR MSC DR ENG , NOPITA SARI , ELIVA SUKMA CIPTA , IRMA PURNAMAYANTI