

# Prof. Dr. dr. Dharma Lindarto, Sp.P.D, Subsp. E.M.D. (K)

Dosen Program Studi Sp-2 Ilmu Penyakit Dalam  
Fakultas Kedokteran  
Universitas Sumatera Utara

✉ [dharmal@usu.ac.id](mailto:dharmal@usu.ac.id)

🌐 [fk.usu.ac.id/id/dosen/dharma-lindarto](http://fk.usu.ac.id/id/dosen/dharma-lindarto)

## Publications

---

2023

Jurnal internasional

### **D-Dimer Levels of COVID-19 Patients with Diabetes Mellitus: a Retrospective Study**

FRANCISCUS GINTING , DHARMA LINDARTO

2024

Jurnal internasional bereputasi

### **Impact of lifestyle modification on nonalcoholic fatty liver with prediabetes and type 2 diabetes**

BRAMA IHSAN SAZLI , DHARMA LINDARTO , DARMADI

2019

Buku lainnya

### **Pemikiran Guru Besar USU. Pendidikan Tinggi di Era Revolusi Industri 4.0.**

DHARMA LINDARTO

2023

Koran/majalah populer/majalah umum

### **Lipid Profile in Confirmed Covid-19 Patients with Type 2 Diabetes Mellitus At Haji Adam Malik General Hospital Medan from March 2020 to December 2021**

MELATI SILVANNI NASUTION , DHARMA LINDARTO

2022

Jurnal internasional bereputasi

### **Factors affecting HBV DNA suppression in chronic hepatitis B patients treated with tenofovir disoproxil fumarate [version 1; peer review:**

DHARMA LINDARTO

2019

Jurnal internasional bereputasi

### **Comparison of Tumor Necrosis Factor- $\alpha$ Level in Coronary Artery Disease and Coronary Slow Flow of Thrombolysis in Myocardial Infarction**

FERRY SANDRA , MUHAMMAD DIAH , Rahmawati , DHARMA LINDARTO , Aznan Lelo , Zulfikri Muhktar

2024

Prosiding seminar nasional

### **Septic Shock Due to Hospital Acquired Infections (Pneumonia and Complicated Urinary Tract Infection) Post Primary Percutaneous Coronary Intervention in Heart Failure with Preserved Ejection Fraction and Total Atrioventricular Block : A Complicated Case**

RESTUTI HIDAYANI SARAGIH , ANDIKA SITEPU , SUMI RAMADANI , DHARMA LINDARTO , IMELDA REY , FRANCISCUS GINTING , NETTY DELVITRA LUBIS , Maulinda Putri

2016

Buku lainnya

2023

Jurnal nasional terakreditasi

## **Secretome of HypoxiaPreconditioned Mesenchymal Stem Cells Enhance Angiogenesis in Diabetic Rats with Peripheral Artery Disease**

REFLI HASAN , DHARMA LINDARTO

---

2020

Jurnal internasional bereputasi

## **Prospect of Bay Leaf (Syzygium Polyanthum) Extract in Reducing Ischemia and Inflammation in Animal Model of Myocardial Infarction: An Experimental Study**

GONTAR ALAMSYAH SIREGAR , DHARMA LINDARTO , REFLI HASAN

---

2015

Jurnal nasional terakreditasi

## **RERATA VOLUME TROMBOSIT DAN AGGREGASI TROMBOSIT DI DIABETES MELITUS TIPE 2 (Mean Platelet Volume and Platelet Aggregation in Diabetes Mellitus Type 2)**

MALAYANA RAHMITA NASUTION , ADI KESUMA AMAN , DHARMA LINDARTO

---

2022

Jurnal internasional bereputasi

## **Declining in estimated glomerular filtration rate of chronic kidney disease patients after Ramadan fasting is independent of interleukin-6 serum level**

KURNIA FITRI JAMIL , ABDULLAH , DHARMA LINDARTO , DESI SALWANI , MUHSIN , MAIMUN SYUKRI

---

2020

Jurnal internasional bereputasi

## **The effect of bay leaf extract (Syzygium polyanthum) on vascular endothelial growth factor (VEGF) and CD31 (PECAM-1) expression in acute coronary syndrome**

DHARMA LINDARTO

---

2023

Jurnal internasional

## **Predicting the Risk of Mortality for Patients Diabetic With Coronavirus Disease (Covid-19): a Retrospective Study**

DHARMA LINDARTO , FRANCISCUS GINTING

---

2023

Jurnal internasional bereputasi

## **Effect of Moderate Intensity Continuous Training and Slow Type Interval Training to Gene Expression of TGF- $\beta$ in Type 2 Diabetes Mellitus Model Wistar Rats**

DHARMA LINDARTO

---

2020

Buku referensi

## **The effect of bay leaf extract Syzygium polyanthum (Wight) Walp. on C-reactive protein (CRP) and myeloperoxidase (MPO) level in the heart of rat model of myocardial infarction.**

REFLI HASAN , DHARMA LINDARTO

---

2022

Jurnal internasional

## **Revitalizing Outbound Creative Village Based on Place Attachment**

DHARMA LINDARTO

---

2023

Tulisan ilmiah

## **Risk Assessment of Type 2 Diabetes Mellitus Using the American Diabetes Association (ADA) Diabetes Risk Test in Residents of BahBolon Village,**

## Simalungun District

DHARMA LINDARTO

2025

Artikel ilmiah

### **Low Serum Nerve Growth Factor Levels Are Associated with Insulin Resistance, Beta Cell Dysfunction, and Neuropathy Screening Scores in Subjects with Type 2 Diabetes Mellitus**

DHARMA LINDARTO , SANTI SYAFRIL , DRDHINI SYLVANA

2019

Jurnal internasional bereputasi

### **The Effect of Puguntano Leaf Extract (Curanga Fel-Terrae Merr.) On P38 Mapk Levels and Glut-4 Expression in Type 2 Diabetic Rat Muscle. Open Access Maced J Med Sci. 2019 Feb 28**

DHARMA LINDARTO

2023

Jurnal internasional bereputasi

### **Study of the Molecular Dynamics Stability in the Inhibitory Interaction of Tenofovir Disoproxil Fumarate against CTLA-4 in Chronic Hepatitis B Patients**

DHARMA LINDARTO

2025

Jurnal internasional bereputasi

### **Pharmacist-led intervention reduced drug-related problems in the management of type 2 diabetes mellitus patients**

KHAIRUNNISA , DHARMA LINDARTO

2019

Jurnal internasional bereputasi

### **The Effect of Puguntano (Curanga Fel-Terrae [Lour.]) Extract on Adiponectin Receptor (Adipor) in Rats with Type 2 Diabetes Mellitus**

DHARMA LINDARTO

2022

Jurnal internasional bereputasi

### **Declining in estimated glomerular filtration rate of chronic kidney disease patients after Ramadan fasting is independent of interleukin-6 serum level**

DHARMA LINDARTO

2025

Jurnal nasional

### **Hashitoxicosis: A Case Report**

MELATI SILVANNI NASUTION , DIAN ANINDITA LUBIS , DHARMA LINDARTO , SANTI SYAFRIL

2023

Jurnal internasional

### **Correlation between Neutrophil to Lymphocyte Ratio (NLR) and D-Dimer in Patients Covid-19 with Diabetes**

DHARMA LINDARTO

2019

Jurnal internasional bereputasi

### **Comparison of Tumor Necrosis Factor- $\alpha$ Level in Coronary Artery Disease and Coronary Slow Flow of Thrombolysis in Myocardial Infarction**

DHARMA LINDARTO

2023

Jurnal internasional bereputasi

### **Effect of Moderate Intensity Continuous Training and Slow Type Interval Training to Gene Expression of TGF- $\beta$ 2 in Type 2 Diabetes Mellitus Model Wistar Rats**

DHARMA LINDARTO

2025  
Jurnal internasional bereputasi

## **Cost-effectiveness of pharmacist intervention in oral antidiabetic treated and insulin treated type 2 diabetes mellitus**

KHAIRUNNISA , AZIZAH NASUTION , DHARMA LINDARTO

2023  
Jurnal internasional bereputasi

## **Factors affecting HBV DNA suppression in chronic hepatitis B patients treated with tenofovir disoproxil fumarate [version 2; peer review: 2 approved]**

DARMADI , DHARMA LINDARTO , JELITA SIREGAR , MASRUL LUBIS , IMELDA REY

2021  
Jurnal internasional bereputasi

## **The Decreasing of Homeostatic Model Assessment $\beta$ , $\alpha$ Insulin Resistance Levels after Given Coffee Arabica Gayo Leaf Extract (*Coffea arabica* L.) to Type 2 Diabetes Mellitus Rats**

DHARMA LINDARTO

2021  
Jurnal nasional terakreditasi

## **Factors that Influencing Sputum Conversion at the End of Intensive Phase on TB-DM Patients at Medical Health Service in Medan**

BINTANG YINKE MAGDALENA SINAGA , DHARMA LINDARTO

2023  
Jurnal internasional bereputasi

## **Secretome of Hypoxia- Preconditioned Mesenchymal Stem Cells Enhance Angiogenesis in Diabetic Rats with Peripheral Artery Disease**

DHARMA LINDARTO , BRAMA IHSAN SAZLI

2024  
Jurnal internasional bereputasi

## **Impact of lifestyle modification on nonalcoholic fatty liver with prediabetes and type 2 diabetes**

DHARMA LINDARTO

2019  
Buku lainnya

## **Pemikiran Guru Besar USU. Untuk Pembangunan Provinsi Sumatera Utara**

DHARMA LINDARTO

2021  
Jurnal internasional bereputasi

## **THE EFFECT OF ETHANOL EXTRACT AND ETHYL ACETIC FRACTION OF STANDARDISED CHAYOTE SQUASH TO REDUCE BLOOD SUGAR LEVEL AND THE FUNCTION OF PANCREATIC $\beta$ -CELL OF MALE ALBINO RATS INDUCED BY STZ-NA-HFD**

JEKSON MARTIAR SIAHAAN , SYAFRUDDIN ILYAS , DHARMA LINDARTO

2025  
Jurnal internasional bereputasi

## **Association Between CTLA4 Level and Obesity, Dyslipidemia, and Type 2 Diabetes Mellitus**

DHARMA LINDARTO , DARMADI

2024  
Jurnal internasional bereputasi

## **Effect of *Picriafel-terrae* Merr. leaves extract on VEGF, Interleukin-6, Prostate Index, and Histopathology in Obesity Rats with Benign Prostate Hyperplasia**

DHARMA LINDARTO

2024  
Tulisan ilmiah

## **Septic Shock Due to Hospital Acquired Infections (Pneumonia and Complicated Urinary Tract Infection) Post Primary Percutaneous Coronary**

## **Intervention in Heart Failure with Preserved Ejection Fraction and Total Atrioventricular Block : A Complicated Case**

RESTUTI HIDAYANI SARAGIH , ANDIKA SITEPU , SUMI RAMADANI , DHARMA LINDARTO , IMELDA REY , NETTY DELVITRA LUBIS , HILNA KHAIRUNNISA SHALIHAT , FRANCISCUS GINTING , Maulinda Putri

2019

Jurnal internasional bereputasi

### **Association of endothelial nitric oxide synthase gene (G894T) polymorphism and hypertension in diabetic Batakese patients**

DHARMA LINDARTO

2025

Jurnal nasional terakreditasi

### **Family Experiences in Supporting Diabetes Self-Management Practice: A Qualitative Study**

MULA TARIGAN , SITI ZAHARA NASUTION , EVIKAROTA , DHARMA LINDARTO , DEWI FRINTIANA SILABAN , Sairomaito Harahap

2023

Jurnal internasional bereputasi

### **Secretome of Hypoxia- Preconditioned Mesenchymal Stem Cells Enhance Angiogenesis in Diabetic Rats with Peripheral Artery Disease**

DHARMA LINDARTO

2020

Jurnal internasional bereputasi

### **The effect of bay leaf extract (Syzygium polyanthum) on reducing overexpression of matrix metalloproteinases-13 in acute coronary syndrome**

DHARMA LINDARTO

2025

Jurnal nasional terakreditasi

### **CTLA-4 +6230G>A polymorphism and its impact on CTLA-4 level and risk of hepatocellular carcinoma: A case-control study in Batak patients with chronic hepatitis B**

DARMADI , DHARMA LINDARTO , RIRI ANDRI MUZASTI , IMELDA REY , MASRUL LUBIS

## **Researches**

2022

### **Penelitian faktor2 yang mempengaruhi supresi HBV DNA pada pasien hepatitis B kronik**

MASRUL LUBIS , DARMADI , DHARMA LINDARTO

2024

### **Septic Shock Due to Hospital Acquired Infections (Pneumonia and Complicated Urinary Tract Infection) Post Primary Percutaneous Coronary Intervention in Heart Failure with Preserved Ejection Fraction and Total Atrioventricular Block : A Complicated Case**

HILNA KHAIRUNNISA SHALIHAT , SUMI RAMADANI , ANDIKA SITEPU , DHARMA LINDARTO , RESTUTI HIDAYANI SARAGIH , IMELDA REY , FRANCISCUS GINTING , NETTY DELVITRA LUBIS , Maulinda Putri

2022

### **Penelitian Hubungan Kadar CTLA-4 dengan Progresivitas Penyakit pada Pasien Hepatitis B Kronik**

MASRUL LUBIS , DARMADI , DHARMA LINDARTO , JELITA SIREGAR

2024

Ipteks Bagi Masyarakat

### **Publikasi Penelitian**

DHARMA LINDARTO

# Community Services

---

2024

## **Kegiatan Penyuluhan tentang Diabetes**

DHARMA LINDARTO

---

2024

## **Pengabdian Masyarakat Kerjasama Perkeni Medan dengan Dinas Kesehatan Kabupaten Langkat**

DHARMA LINDARTO

---

2023

Ipteks Bagi Masyarakat

## **Speaker Howt o Manage Type2 Diabetes in Elderly and Chronic Kidney Disease Patients with Co-formulation Insulin**

DHARMA LINDARTO

---

2024

## **BAKTI SOSIAL SCORA PEMA FK USU 2024**

DHARMA LINDARTO

---

2024

## **asesmen Kecukupan**

DHARMA LINDARTO

---

2023

Ipteks Bagi Masyarakat

## **Pengabdian Masyarakat**

DHARMA LINDARTO

---

2024

## **Asesmen Lapangan pada usulan program studi FK Universitas Negeri Yogyakarta**

DHARMA LINDARTO

---

2022

Penelitian Dana Lokal Perguruan Tinggi

## **Penguatan Tujuan Pembangunan Berkelanjutan (Sustainable Development Goals) melalui Rencana Pembangunan Sarana dan Penyuluhan Pemantauan Kesehatan Penyakit Kronis di Posyandu Desa Dolok Ilir (Bah Bolon) Kec. Dolok Batu Nanggar Kab. Simalungun**

DWI WIDAYATI , SALLYANTI , HASDARI HELMI RANGKUTI , DHARMA LINDARTO

---

2024

## **Bakti Social SCORA PEMA FK USU 2024**

DESKE MUHADI RANGKUTI , DINA APRILLIA ARIESTINE , TAUFIK SUNGKAR , BRAMA IHSAN SAZLI , DHARMA LINDARTO

---

2023

Penelitian Dana Lokal Perguruan Tinggi

## **Unlimited Level In Ophthalmology Science (ULOS) Dies Natalis Fakultas Kedokteran USU Ke-71**

MELATI SILVANNI NASUTION , DESKE MUHADI RANGKUTI , RIRI ANDRI MUZASTI , SUMI RAMADANI , DHARMA LINDARTO , DIAN ANINDITA LUBIS , NAOMI NIARI DALIMUNTHE , PUTRI HANDAYANI , ASTRY AMELIA HARAHAAP , DR. NATASSHA BIANCA S

---

2023

## **Assessment Kecukupan Prodi dokter UMI**

DHARMA LINDARTO , EVA RACHMI , Dharma Lindarto

---

2026

## **PENGABDIAN MASYARAKAT kerja sama PERKENI MEDAN dan Divisi Endokrinologi Metabolik & Diabetes Dep Ilmu Penyakit Dalam FK USU Bersama RSUD Pancur Batu**

2023

## **Assessment Lapangan Prodi Kedokteran UMI**

DHARMA LINDARTO , EVA RACHMI

---

## **Intellectual Property Rights**

---

2025

Hak cipta nasional

## **Association Between CD133 Expression And Clinicopathological Profile In Colorectal Cancer**

MUHAMMAD YUSUF , IMELDA REY , MUHAMMAD AGUNG PUTRA HANDANA , DHARMA LINDARTO

---

2025

Paten nasional

## **PROSES PEMBUATAN PEMBALUT LUKA ANTIBAKTERI BERBASIS SELULOSA BAKTERI DENGAN IMPREGNASI NANOENKAPSULASI BUAH ANDALIMAN (*Zanthoxylum acanthopodium*) UNTUK LUKA BAKAR**

DHARMA LINDARTO

---

2025

Paten nasional

## **obat diabetes ekstrak etanol daun puguntano**

DHARMA LINDARTO , MELATI SILVANNI NASUTION , BRAMA IHSAN SAZLI

---