

# Prof. Dr. dr. Dina Keumala Sari, M.Gizi, Sp.GK, Subsp.PK

Dosen Program Studi SP-1 Ilmu Gizi Klinik  
Fakultas Kedokteran  
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*Dina Keumala Sari bekerja sebagai Dosen Tetap Departemen Ilmu Gizi dan Program Studi Doktorat S3 Fakultas Kedokteran Universitas Sumatera Utara. Sehari-hari selalu dipanggil Dina, menekuni studi yang berkaitan tentang Ilmu Gizi dengan spesifikasi Ilmu Gizi Klinik. Dina meraih gelar Guru Besar/Profesor Ilmu Gizi dari Universitas Sumatera Utara pada Tahun 2019. Dina merupakan lulusan Sarjana Kedokteran dan Program Pendidikan Profesi Dokter sebagai dokter pada tahun 1998 di Universitas Sumatera Utara. Dia telah lulus Program Pendidikan Dokter Spesialis Gizi Klinik di Fakultas Kedokteran Universitas Indonesia pada tahun 2007. Kemudian, dia telah lulus program Doktorat (S3) di Universitas Sumatera Utara pada tahun 2013. Dina juga memiliki inovasi tentang produk-produk makanan instan dan minuman kesehatan. Produk ini dalam proses hilirisasi dan pengembangan. Dina pernah menjabat sebagai Wakil Dekan III Fakultas Kedokteran USU (2016-2021) dan saat ini melaksanakan tugas sebagai Ketua Departemen Ilmu Gizi (2021-2026). Aktif dalam kegiatan penelitian dan pengabdian kepada masyarakat dengan fokus penelitian pada vitamin D dan gangguan nutrisi penyakit tropis lainnya. Aktif dalam menulis buku dan menghasilkan beberapa produk paten, juga dalam publikasi artikel dalam jurnal nasional dan internasional.*

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## Publications

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2026

Jurnal internasional bereputasi

### **The efficacy and safety of four different PD-1 checkpoint inhibitors in advanced non-small cell lung cancer: a real-world retrospective study**

DINA KEUMALA SARI

2026

Jurnal internasional bereputasi

### **Adiponectin and phase angle in the assessment of sarcopenia in Crohn's disease: beyond muscle mass**

DINA KEUMALA SARI

2026

Jurnal internasional bereputasi

### **Harnessing the gut-heart axis for cardiovascular drug innovation: microbiome, metabolites, and personalized treatment strategies**

RONY ABDI SYAHPUTRA , M. Ichwan , DINA KEUMALA SARI , AMINAH DALIMUNTHER , CHINDY UMAYA

2026

Jurnal internasional bereputasi

### **Housing distance, salt intake and cardiovascular risk in rural Aceh Tamiang: Insights utilizing the WHO 10-year non-laboratory assessment**

DINA KEUMALA SARI , NADYA KEUMALA FITRI , Bahagia Willibrordus Maria Nainggolan , Yusrina Br Saragih

2026

Jurnal internasional bereputasi

### **ASSOCIATION OF RELIGIOUS PRACTICES AND FREQUENCY OF DHIKR WITH OXYTOCIN HORMONE LEVELS AND SOCIAL CONFLICT IN THE POPULATION OF AMBON CITY, INDONESIA**

DINA KEUMALA SARI , ABDUL ROHIM TUALEKA , PUDJI RAHMAWATI , ACENG RUYANI

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2025  
Jurnal internasional

## **Network Pharmacology and Molecular Docking Approach to Identify and Investigate the Mechanisms of Active Components of Areca Catechu in Relation to Gut Disorders**

DINA APRILLIA ARIESTINE , DINA KEUMALA SARI , LAMBOK SIAHAAN , TRI WIDYAWATI , MUHAMMAD RUSDA , MASITHA DEWI SARI

2025  
Jurnal nasional

## **Empowerment of the PKK Mobilization Team in Early Detection and Prevention of Congenital Heart Disease in Pematangsiantar City**

PUTRI AMELIA , DINA KEUMALA SARI

2025  
Jurnal internasional bereputasi

## **Impact of xylene exposure on blood profiles and neurotoxic symptoms among printing workers in Surabaya**

DINA KEUMALA SARI , ABDUL ROHIM TUALEKA

2025  
Jurnal internasional bereputasi

## **Low Cognitive Function Is Strongly Associated with The Intake of EPA and DHA in Adolescent Female Football Players in North Sumatra, Indonesia**

DINA KEUMALA SARI , DAIRION GATOT , CUT ADEYA ADELLA , SANGKOT PARIDAH , RAISYA KEUMALA PUTRI , Christoforos D Giannaki , George Aphasimis

2025  
Jurnal internasional bereputasi

## **Prediction Xylen Detox with food intake containing CYP2E1 enzyme and glycine on workers in Surabaya car painting area Indonesia**

LUKMAN HANDOKO , ABDUL ROHIM TUALEKA , PUDJI RAHMAWATI , ACENG RUYANI , DINA KEUMALA SARI , DIMAS RAHADIAN AJI MUHAMMAD , DEWI ROKHMAH , NUR MUKARROMAH , ELLYZA SETYA MARYIANTARI , SUSMIATI , Nana Dyah Siswat , Juliana Jalaludin , Gurendro Putro , Tri Niswati Utami , Aris Santjaka , Roy Januardi Irawan , Sunardi , Rizky Maharja , Jihan Faradisha , Aurasyifa Salsabila Nixon

2025  
Jurnal internasional bereputasi

## **Probiotics-derived butyric acid may suppress systemic inflammation in a murine model of chronic obstructive pulmonary disease (COPD)**

ANDIKA PRADANA , DINA KEUMALA SARI , AMIRA PERMATASARI TARIGAN

2025  
Jurnal internasional bereputasi

## **Impact of toluene exposure on MDA, creatinine, and BUN levels in printing workers at Airlangga University Press, Surabaya**

DINA KEUMALA SARI , ABDUL ROHIM TUALEKA

2024  
Jurnal internasional bereputasi

## **Impact of xylene exposure on blood profiles and neurotoxic symptoms among printing workers in Surabaya**

TRI NISWATI UTAMI , ABDUL ROHIM TUALEKA , DINA KEUMALA SARI

2024  
Buku referensi

## **Vitamin D Pada Ibu Hamil Dengan Infeksi Laten Tuberkulosis**

FATHIA MEIRINA , DINA KEUMALA SARI , INKE NADIA DINIYANTI LUBIS , RINI SAVITRI DAULAY

2024  
Jurnal internasional bereputasi

## **Impact of Vitamin D and IL-1 $\beta$ on Quality of Life in Pediatric Drug-Resistant Epilepsy**

DINA KEUMALA SARI , JOHANNES HARLAN SAING , SUPRIATMO , AIDA FITRI , MUHAMMAD ARIEF PRATAMA

2024  
Jurnal internasional bereputasi

# Impact of Vitamin D and IL-1 $\beta$ on Quality of Life in Pediatric Drug-Resistant Epilepsy

AIDA FITRI , JOHANNES HARLAN SAING , DINA KEUMALA SARI , SUPRIATMO

2024

Jurnal internasional bereputasi

## Neuroprotective and inflammatory biomarkers in pediatric drug-resistant epilepsy: Interplay between GDNF, IL-1 $\beta$ and vitamin D 25-OH

AIDA FITRI , JOHANNES HARLAN SAING , DINA KEUMALA SARI , SUPRIATMO , MUHAMMAD RUSDA

2024

Jurnal internasional

## “Impact of Xylene Exposure on Blood Profiles and Neurotoxic Syntoms Among Printing Workers in Surabaya”

SUSMIATI , ABDUL ROHIM TUALEKA , DINA KEUMALA SARI , DEWI ROKHMAH

2024

Jurnal internasional bereputasi

## The Effects of Red Palm Oil, Koja Bay Leaves, and Passion Fruit Seeds Formulation on Antioxidant Activity, Antihyperlipidemia, BDNF, and Lipase Enzyme Activity on Sprague-Dawley Rats

DINA KEUMALA SARI

2024

Jurnal internasional bereputasi

## In Vivo Evaluation of Anti-obesity and Anti-inflammatory Effects of Ethanol Leaf Extract of Anredera cordifolia in Rats

RUSDIANA , SRY SURYANI WIDJAJA , RUSMALAWATY , DINA KEUMALA SARI , TRI WIDYAWATI

2024

Jurnal internasional bereputasi

## Effects of Supplementation with Omega-3 and Omega-6 Polyunsaturated Fatty Acids and Antioxidant Vitamins, Combined with High-Intensity Functional Training, on Exercise Performance and Body Composition: A Randomized, Double-Blind, Placebo-Controlled Trial

DINA KEUMALA SARI

2024

Jurnal internasional bereputasi

## Quality of life assessment in pediatric nephrotic syndrome in North Sumatera Province: Parent-and-child proxy report

NURAIZA MEUTIA , MASITHA DEWI SARI , DINA KEUMALA SARI , dr BERNIE ENDYARNI , OKE RINA RAMAYANI , MUSTAFA MAHMUD AMIN , MUHAMMAD RUSDA , IKA CITRA DEWI TANJUNG

2024

Jurnal nasional

## Systematic Review Of Relationship Stunting With Intelligence Of Elementary School Children

OSLIDA MARTONY , DINA KEUMALA SARI , ARMANSYAH MAULANA HARAHAP , NURAIZA MEUTIA

2024

Artikel ilmiah

## Systematic Review Of Relationship Stunting With Intelligence Of Elementary School Children

DINA KEUMALA SARI , ARLINDA SARI WAHYUNI , NURAIZA MEUTIA

2024

Jurnal internasional bereputasi

## Cytotoxicity and apoptosis activities of passion fruit (*Passiflora edulis* Sims) seed extract on HSC-2, HSC-3, MCF-7, and HaCaT cell lines

DINA KEUMALA SARI , LIZA MEUTIA SARI

2024

Prosiding seminar internasional

## Leptin gene polymorphism -2548g>a (rs7799039) in the occurrence of type-2

## diabetes mellitus in Medan city

YETTY MACHRINA , DINA KEUMALA SARI

2024

Jurnal nasional terakreditasi

### **Differences And Different Responses In Inflammation And Pneumonia (A Mini Review)**

M. Ichwan , YULIA PUTRI , YUNITA SARI PANE , RIRIE FACHRINA MALISIE , NURAIZA MEUTIA , DINA KEUMALA SARI

2023

Jurnal internasional bereputasi

### **Iron deficiency anemia in H. pylori pediatric patients and the role of IL-1 $\beta$**

SELVI NAFIANTI , MUHAMMAD THORIQ AL FATH. , OKE RINA RAMAYANI , DINA KEUMALA SARI , Iskandar Japardi , SUPRIATMO , Sulaiman Yusuf

2023

Jurnal internasional bereputasi

### **The Addition of Atezolizumab to Chemotherapy in Non-Small Cell Lung Cancer: A Trial-Based Review and Meta-Analysis**

DINA KEUMALA SARI , ANDIKA PRADANA

2023

Jurnal internasional

### **Need Action for No Relationship Between Emotional Intelligence on Physical Activity Among Undergraduates in Colombo District**

DINA KEUMALA SARI

2023

Prosiding seminar internasional

### **Phytochemical Screening and DPPH Assay of Talas Padang (Colocasia gigantea) Ethanol Leaf Extract**

DINA KEUMALA SARI , TRI WIDYAWATI , IMAM BAGUS SUMANTRI

2023

Jurnal nasional terakreditasi

### **Relationship of Albumin Levels, Comorbidity and Vaccination History with Mortality Of COVID-19 Patients in RSUP. H. Adam Malik Medan**

DINA KEUMALA SARI , BINTANG YINKE MAGDALENA SINAGA

2022

Jurnal internasional bereputasi

### **Eight weeks consumption of high-fat diet promotes Mesenteric fat deposition when compared to other rat diets**

DINA KEUMALA SARI

2022

Jurnal internasional bereputasi

### **Assessment of water consumption during Ramadan intermittent fasting: Result from Indonesian cross-sectional study**

DINA KEUMALA SARI

2022

Jurnal internasional bereputasi

### **Is It Important to Increase Physical Activity Among University Students During the Second-Wave COVID-19 Pandemic in Asian Countries? A Cross-Sectional Study of the Knowledge, Attitudes, and Practices in Asian Countries**

DINA KEUMALA SARI , RIYADH IKHSAN , YETTY MACHRINA , NURFIDA KHAIRINA ARRASYID , KAMAL BASRI SIREGAR

2022

Jurnal internasional

### **Malondialdehyde Value as Radical Oxidative Marker and Endogenous Antioxidant Value Analysis in Brain Tumor**

DINA KEUMALA SARI , RIDHA DHARMAJAYA

2022

Jurnal internasional bereputasi

# Vitamin D Receptor Gene Polymorphism Affecting Vitamin D and Beta Carotene Deficiency in Tuberculosis Patients

DINA KEUMALA SARI

2022

Jurnal internasional bereputasi

## High-fat Diet Increases Sprague-Dawley Corticosterone Blood Levels with Nominal Change in Adrenocorticotrophic hormone (ACTH) Level with Signs of Increased Mesenteric Adiposity

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## Serum and Salivary 25(OH)D and 1,25(OH)D Levels of Head and Neck Cancer Patients

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## Daily Soy-Catfish-Anchovy-Rice (SCAR) Porridge Increases 25(OH)D Serum Levels in Tuberculosis Patients with Vitamin D Receptor Gene Polymorphisms

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## Correlation between Neuropeptide Y and Vitamin D: Is It Related to Body Mass Index in Gender Difference?

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## A randomized, placebo-controlled trial of zinc supplementation during pregnancy for the prevention of stunting: analysis of maternal serum zinc, cord blood osteocalcin and ...

LILI ROHMAWATI , DINA KEUMALA SARI , MAKMUR SITEPU

2021

Jurnal internasional bereputasi

## A randomized, placebo-controlled trial of zinc supplementation during pregnancy for the prevention of stunting: analysis of maternal serum zinc, cord blood osteocalcin and ...

LILI ROHMAWATI , DINA KEUMALA SARI , MAKMUR SITEPU

2021

Jurnal internasional bereputasi

## A randomized, placebo-controlled trial of zinc supplementation during pregnancy for the prevention of stunting: analysis of maternal serum zinc, cord blood osteocalcin and ...

Kusnandi Rusmil , DINA KEUMALA SARI , ARLIZA JUAIRIANI LUBIS , LILI ROHMAWATI

2021

Jurnal internasional bereputasi

## Daily Soy-Catfish-Anchovy-Rice (SCAR) Porridge Increases 25(OH)D Serum Levels in Tuberculosis Patients with Vitamin D Receptor Gene Polymorphisms

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## Evaluation of clinical, histology, TNF- $\alpha$ , and collagen expressions on oral ulcer in rats after treatment with areca nut and chrysanthemum oral gel

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

# **The Correlation between the Fear Level and Oral Health Knowledge Related to Dental Treatment During the COVID-19 Pandemic Outbreak.**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Correlation between Maternal Serum Zinc Levels, Cord Blood Procollagen type 1-N Terminal Propeptide (P1NP) Levels and Anthropometric Measurements of Newborns**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Correlation between Neuropeptide Y and Vitamin D: Is It Related to Body Mass Index in Gender Difference?**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **A randomized, placebo-controlled trial of zinc supplementation during pregnancy for the prevention of stunting: analysis of maternal serum zinc, cord blood osteocalcin and**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Positive correlation between general public knowledge and attitudes regarding COVID-19 outbreak 1 month after first cases reported in Indonesia**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **The Moderate Correlation Between 25 (OH) D Serum and Saliva in Healthy People with Low Vitamin D Intake**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Early detection of diabetic nephropathy based on albumin creatinine ratio (ACR) in type 2 diabetes mellitus patients in Medan, Indonesia**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Knowledge Regarding Coronavirus Disease-19 Related to Nutritional Practices in Residents of Medan City, Indonesia**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Determinant factors of Indonesian rubber export to Japan**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **A randomized, placebo-controlled trial of zinc supplementation during pregnancy for the prevention of stunting: analysis of maternal serum zinc, cord blood osteocalcin and neonatal birth length**

DINA KEUMALA SARI , LILI ROHMAWATI , MAKMUR SITEPU

2021

Jurnal internasional bereputasi

## **Correlations of Maternal Serum Zinc Levels with Cord Blood Procollagen Type 1-N Terminal Propeptide Levels and Anthropometric Measurements of Newborns**

2021

Jurnal internasional bereputasi

## **Role and value of inflammatory markers in brain tumors: A case controlled study**

DINA KEUMALA SARI

2021

Jurnal internasional

## **Role and value of inflammatory markers in brain tumors: A case controlled study**

RIDHA DHARMAJAYA , DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Positive Correlation Between General Public Knowledge and Attitudes Regarding COVID-19 Outbreak 1 Month After First Cases Reported in Indonesia**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **The Correlation between the Fear Level and Oral Health Knowledge Related to Dental Treatment During the COVID-19 Pandemic Outbreak**

DINA KEUMALA SARI

2021

Jurnal nasional terakreditasi

## **The moderate correlation between 25(OH)d serum and saliva in healthy people with low vitamin D intake**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **The use of 25-hydroxyvitamin d saliva test to replace vitamin d serum blood test in healthy people**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **The incidence of adult obesity is associated with parental and adolescent histories of obesity in North Sumatra, Indonesia: A cross-sectional study**

DINA KEUMALA SARI

2021

Jurnal internasional bereputasi

## **Knowledge regarding coronavirus disease-19 related to nutritional practices in residents of medan city, indonesia**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

## **Oral and Acute Dermal Toxicity with Passiflora edulis Sims Aqueous Extract in Sprague-Dawley Rats**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

## **Oral and acute dermal toxicity with Passiflora edulis sims aqueous extract in sprague-dawley rats**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

## **Vitamin D and Its Association with Tumor Necrosis Factor-alpha Level in**

## Active Tuberculosis Patients in North Sumatera, Indonesia

DINA KEUMALA SARI

2020

Monograf

### **The Effects of Passiflora Edulis Sims's Seed Extract on Total Cholesterol in Atherogenic Young Rats**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

### **The Use of the 25 (OH) D Saliva Test as a Substitute for the 25 (OH) D Serum Test in Healthy People**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

### **Sex Differences in Neuropeptide Y Serum, But Not in Fat Intake and Body Mass Index**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

### **Mineral and Enzyme Deficiency Diseases Associated with Nutritional Diseases in Society**

DINA KEUMALA SARI

2020

Jurnal nasional terakreditasi

### **Gambaran Pengetahuan Wanita Pasangan Usia Subur Tentang Alat Kontrasepsi Dalam Rahim Di Desa Simangaronsang, Kecamatan Doloksanggul Tahun 2017**

DINA KEUMALA SARI

2020

Jurnal nasional

### **Hubungan Kadar Vitamin D Terhadap Hemostasis Penderita Hiv/Aids Dengan Dan Tanpa Koinfeksi Tuberkulosis Paru Di Rsup Haji Adam Malik Medan**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

### **The use of 25 (OH) D saliva test as a substitute for 25 (OH) D serum test in healthy people**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

### **Positive Correlation between General Public Knowledge and Attitudes Regarding COVID-19 Outbreak One Month after First Cases Reported in Indonesia**

DINA KEUMALA SARI

2020

Jurnal internasional bereputasi

### **Vitamin D and hemostasis parameters in human immunodeficiency virus/acquired immunodeficiency syndrome patients with pulmonary tuberculosis coinfections**

DINA KEUMALA SARI

2019

Jurnal internasional

### **Difference in Level of Malondialdehyde, Total Cholesterol, and Triglyceride After Administration of Passion Fruit Seed's Ethanol Extract in Wistar Rats**

2019

Jurnal internasional bereputasi

**Korelasi Indeks Massa Tubuh dan Kadar Albumin dengan Konversi Sputum Pasien Tuberkulosis**

DINA KEUMALA SARI

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2019

Jurnal internasional bereputasi

**High Vitamin D and Calcium Porridge in Tuberculosis Patient with Vitamin D Receptor Gene Polymorphism**

DINA KEUMALA SARI

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2019

Jurnal internasional bereputasi

**Vitamin A Supplementation in Pulmonary Tuberculosis Patients on Acceleration of Sputum Conversion in Medan City. Open Access Maced J Med Sci**

DINA KEUMALA SARI

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2019

Jurnal internasional bereputasi

**The Correlation between Body Mass Index and Albumin Level with Sputum Conversion in AFB-Positive Pulmonary TB Patients in Primary Health Center in Medan, Indonesia**

DINA KEUMALA SARI

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2019

Jurnal internasional bereputasi

**Nutrition status related to clinical improvement in AFB-positive pulmonary tuberculosis patients in primary health centres in Medan, Indonesia**

DINA KEUMALA SARI

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2019

Jurnal internasional bereputasi

**Vitamin a supplementation in pulmonary tuberculosis patients on acceleration of sputum conversion in Medan city**

DINA KEUMALA SARI

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2019

Jurnal internasional bereputasi

**Association between family support, coping strategies and anxiety in cancer patients undergoing chemotherapy at General Hospital in Medan, North Sumatera, Indonesia**

DINA KEUMALA SARI

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2018

Jurnal internasional bereputasi

**The behaviour University of Sumatera Utara football school students and the Sejati Pratama football school students on soil transmitted Helminth infection**

DINA KEUMALA SARI

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2018

Jurnal internasional

**The prevalence and risk factors of stunting among primary school children in North Sumatera, Indonesia**

DINA KEUMALA SARI

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2018

Jurnal nasional terakreditasi

**Pengaruh Suplementasi Vitamin A pada Pengobatan Pasien TB Paru terhadap Percepatan Konversi Dahak pada Fase Intensif Di Wilayah Kerja Puskesmas Kecamatan Medan Kota**

DINA KEUMALA SARI

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2018

Jurnal internasional bereputasi

**Determinants of Glasgow outcome scale in patients with severe traumatic brain injury for better quality of life**

DINA KEUMALA SARI

2018

Jurnal internasional bereputasi

**Positive correlation between retinol binding protein 4 (RBP4) and triglyceride level in central obesity**

DINA KEUMALA SARI

2018

Jurnal internasional bereputasi

**Vitamin D status did not related to calcium status in active tuberculosis patients in North Sumatera, Indonesia**

DINA KEUMALA SARI

2018

Jurnal internasional bereputasi

**Degree of neutrophil, atrophy, and metaplasia intestinal were associate with malondialdehyde level in gastritis patients**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**A comparison of the quality of sleep between pre and post-surgery cervical herniated nucleus pulposus patients utilizing the anterior discectomy method**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**Serum VEGF Levels in Helicobacter pylori Infection and Correlation with Helicobacter pylori cagA and vacA Genes. Open Access Maced J Med Sci**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**Vitamin D, Calcium Serum Levels and Biomolecular Parameters in Active Tuberculosis Patients in North Sumatera, Indonesia**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**Serum VEGF levels in helicobacter pylori infection and correlation with helicobacter pylori cagA and vacA genes**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**Serum VEGF levels in Helicobacter pylori infection and correlation with Helicobacter pylori cagA and vacA genes**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**Low 25(OH)D serum may not reflect at risk skeletal health but not with body mass index in women**

DINA KEUMALA SARI

2017

Jurnal internasional bereputasi

**Vitamin D supplementation in women with Vitamin D receptor gene polymorphisms: A randomized controlled trial**

DINA KEUMALA SARI

## **Vitamin D receptor gene polymorphism among Indonesian women in North Sumatera**

DINA KEUMALA SARI

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## **Researches**

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2023  
Penelitian Fundamental

### **Analisis dan Efektivitas Fenolat Minyak Kelapa Sawit Merah (*Elaeis guineensis*), Temurui (*Murraya koenigii*), dan Biji Markisa (*Passifora edulis*) sebagai Neuroprotektif dan Efeknya pada Gen Regulasi Brain Derived Neurotrophic Factor pada Tikus Induksi LPS**

NURFIDA KHAIRINA ARRASYID , DINA KEUMALA SARI

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2023  
Penelitian Disertasi Doktor

### **Peran Probiotik dalam Mempengaruhi Kadar SCFA, Penanda Inflamasi dan Gambaran Histopatologi Alveolar Mencit Model PPOK**

ANDIKA PRADANA , MUHAMMAD RUSDA , AMIRA PERMATASARI TARIGAN , DINA KEUMALA SARI , ANDIKA PRADANA

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2023

### **Analisis dan Efektivitas Fenolat Minyak Kelapa Sawit Merah (*Elaeis guineensis*), Temurui (*Murraya koenigii*), dan Biji Markisa (*Passifora edulis*) sebagai Neuroprotektif dan Efeknya pada Gen Regulasi Brain Derived Neurotrophic Factor pada Tikus Induksi LPS**

DINA KEUMALA SARI , NINA HERLINA

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2023

### **Pengembangan Diet Nusantara Sebagai Diet Sehat Terhadap Sindroma Metabolik**

Fiastuti Witjaksono , DINA KEUMALA SARI , NUR INDRAWATY LIPOETO

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2022

### **Correlation Between CYP2R1 rs10741657 Polymorphism And Vitamin D Level In Latent Tuberculosis Pregnant Women**

FATHIA MEIRINA , RINI SAVITRI DAULAY , INKE NADIA DINIYANTI LUBIS , DINA KEUMALA SARI

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2022

### **Is It Important to Increase Physical Activity Among University Students During the Second-Wave COVID-19 Pandemic in Asian Countries? A Cross-Sectional Study of the Knowledge, Attitudes, and Practices in Asian Countries**

KAMAL BASRI SIREGAR , DINA KEUMALA SARI , Suresh Mani

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2022

Penelitian Kerjasama Antar Perguruan Tinggi

### **Anthropometric and body composition analysis in obese and non-obese subjects in three major cities in Indonesia: A cross-sectional study**

DINA KEUMALA SARI , NADYA KEUMALA FITRI , Nur Indrawaty Lipoeto

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2019

Penelitian Disertasi Doktor

### **HUBUNGAN SERUM ZINK MATERNAL DENGAN PROCOLLAGEN TYPE 1-N TERMINAL PROPEPTIDE (P1NP) DARAH TALI PUSAT DAN ANTROPOMETRI BAYI BARU LAHIR**

LILI ROHMAWATI , IKA CITRA DEWI TANJUNG , DINA KEUMALA SARI

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2019

Penelitian Unggulan Perguruan Tinggi

### **Pemanfaatan Asupan Tinggi Protein, Vitamin D, Dan Kalsium Sebagai Penanda Perbaikan Biomolekuler Pada Penderita Tuberkulosis Dengan**

## **Polimorfisme Gen Reseptor Vitamin D (Nutrigenomic Tuberkulosis Dan Komplikasi)**

RIDHA DHARMAJAYA , MUTIARA INDAH SARI , DINA KEUMALA SARI , DEWI MASYITTAH DARLAN

2019

Penelitian Unggulan Perguruan Tinggi

### **Pemanfaatan Asupan Tinggi Protein, Vitamin D, Dan Kalsium Sebagai Penanda Perbaikan Biomolekuler Pada Penderita Tuberkulosis Dengan Polimorfisme Gen Reseptor Vitamin D (Nutrigenomic Tuberkulosis Dan Komplikasi)**

RIDHA DHARMAJAYA , MUTIARA INDAH SARI , DINA KEUMALA SARI , DEWI MASYITTAH DARLAN

2017

Penelitian Unggulan Perguruan Tinggi

### **Pemanfaatan Ikan Teri Medan Jamur sebagai Suplemen Peningkatan densitas tulang, gigi, kadar 25 (OH)D dan kalsium perempuan usia 18-20 Tahun**

NEVI YANTI , DINA KEUMALA SARI , AMETA PRIMASARI

2017

Penelitian Unggulan Perguruan Tinggi

### **Degree of neutrophil, atrophy, and metaplasia intestinal were associate with malondialdehyde level in gastritis patients**

GONTAR ALAMSYAH SIREGAR , DINA KEUMALA SARI

## **Community Services**

2025

Penelitian Kerjasama Antar Perguruan Tinggi

### **Pentingnya Protein dan Aktivitas Fisik pada Anak Untuk Mencegah Penyakit Infeksi dan Tropis di Sekolah MIS Al-Azhar Kota Pematang Siantar**

NENNI DWI APRIANTI LUBIS , JENNIFER SETIAWAN , DINA KEUMALA SARI , FITRIYANI NASUTION

2025

### **Pengabdian Masyarakat Kanker Bukan Takdir: Perbaiki Asupan Nutrisi dan Aktifitas Fisik**

HILNA KHAIRUNNISA SHALIHAT , ZAIMAH Z TALA , NENNI DWI APRIANTI LUBIS , DINA KEUMALA SARI , FITRIYANI NASUTION

2025

### **Pengabdian Masyarakat Pemeriksaan Status Gizi pada Pegiat Sampah: Langkah Awal Mencapai SDGs 3 di Komunitas Margina**

T KEMALA INTAN , ZAIMAH Z TALA , NENNI DWI APRIANTI LUBIS , DINA KEUMALA SARI , FITRIYANI NASUTION

2024

### **Seminar Kekerasan terhadap perempuan-Anak di sekitar kita dan perundungan wanita dalam olahraga**

DINA KEUMALA SARI

2023

Kerjasama Luar Negeri dan Publikasi Internasional

### **Tim Pelaksana Kerjasama Erasmus+ sport and physical education as a vehicle for inclusion and recognition in India, Indonesia and Srilanka (SPIRIT)**

ECIA MEILONNA KOKA, SKM, M.KES , DINA KEUMALA SARI

2023

### **Pengetahuan Tentang Kanker Payudara dan Deteksi Dini Kanker Payudara Pada Masyarakat Kecamatan Kutalimbaru,**

FEBY YANTI HARAHAP , RODIAH RAHMAWATY LUBIS , IQBAL PAHLEVI ADEPUTRA NASUTION , DINA KEUMALA SARI

2023

### **HEALTHCARE EXPERTS RESPONSIBLE FOR OVERCOMING MALNUTRITION**

## AND EMPOWERING WOMEN'S NUTRITION

DINA KEUMALA SARI

2023

### **Pengabdian Masyarakat Pencegahan Stunting Melalui Edukasi Gizi 1000 Hari Pertama Kehidupan pada Tim Penggerak PKK di Kota Pematang Siantar**

ARLINDA SARI WAHYUNI , MUHAMMAD RUSDA , DINA KEUMALA SARI , FITRIYANI NASUTION

2020

Kerjasama Luar Negeri dan Publikasi Internasional

### **Tim Pelaksana Kerjasama Erasmus+ sport and physical education as a vehicle for inclusion and recognition in India, Indonesia and Srilanka (SPIRIT)**

DINA KEUMALA SARI

2020

### **Pengabdian Masyarakat Desa Binaan Telagah Kab Langkat Sumut**

ANDIKA PRADANA , DINA KEUMALA SARI

2020

### **Pengabdian Masyarakat Desa Binaan Telagah Kab Langkat Sumut**

ANDIKA PRADANA , DINA KEUMALA SARI

2017

### **Optimalisasi Status Gizi Siswa Sekolah Sepakbola**

MUTIARA INDAH SARI , NURFIDA KHAIRINA ARRASYID , DINA KEUMALA SARI

## Intellectual Property Rights

2025

Karya desain

### **Metode Pembuatan Kombucha dari Simplisa Pinang Merah (Areca Catechu)**

DINA KEUMALA SARI , LAMBOK SIAHAAN , TRI WIDYAWATI , DINA APRILLIA ARIESTINE

2025

Paten nasional

### **PROSES PEMBUATAN EKSTRAK ETANOL HERBA TALAS PADANG (COLOCASIA GIGANTEA)**

DINA KEUMALA SARI , IMAM BAGUS SUMANTRI , TRI WIDYAWATI

2025

Paten nasional

### **Formulasi Minyak Kelapa Sawit Merah (*Elaeis guineensis* Jacq), Daun Salam Koja (*Murraya koenigii* L. Spreng), dan Biji Markisa (*Passiflora edulis* Sims) yang Memiliki Aktivitas Antihiperlipidemia pada Hewan Coba Tikus (*Sprague dawley*)**

NURHADI IBRAHIM , NINA HERLINA , NURFIDA KHAIRINA ARRASYID , DINA KEUMALA SARI

2023

Hak cipta internasional

### **ANIMAL MODELS FOR PARKINSON'S DISEASES.**

DINA KEUMALA SARI , YETTY MACHRINA , M. Ichwan , INKE NADIA DINIYANTI LUBIS

2023

Hak cipta internasional

### **THERAPEUTIC ADVANTAGE OF NANOSCALE SELFASSEMBLING PRODRUGS OF SULFAPYRIDINE FOR THE MANAGEMENT OF RHEUMATOID ARTHRITIS**

M. Ichwan , INKE NADIA DINIYANTI LUBIS , DINA KEUMALA SARI , YETTY MACHRINA

2021

Paten nasional

### **FORMULASI CAMPURAN EKSTRAK ETANOL BIJI MARKISA (*PASSIFLORA EDULIS SIMS*) DAN MINYAK ZAITUN SEBAGAI PENURUN KADAR**

## **KOLESTEROL TOTAL**

DINA KEUMALA SARI

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2021

Paten nasional

### **Proses Pembuatan Ekstrak Etanol Biji Markisa (Passiflora Edulis Sims)**

DINA KEUMALA SARI

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2021

Paten nasional

### **Formulasi Multivitamin Ekstrak Biji Markisa (Passiflora Edulis Sims) Dalam Bentuk Cairan Sirup**

DINA KEUMALA SARI

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2021

Paten nasional

### **PROSES PEMBUATAN EKSTRAK ETANOL BIJI MARKISA (PASSIFLORA EDULIS SIMS)**

DINA KEUMALA SARI , MARIANNE

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2020

Paten nasional

### **KOMPOSISI BUBUR TINGGI KALSIUM DAN VITAMIN D**

DINA KEUMALA SARI

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2019

Paten nasional

### **Metode Memprediksi Seorang Perempuan Mengalami Defisiensi Vitamin D Dengan Menggunakan Massa Lemak Sebagai Prediktor**

DINA KEUMALA SARI

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2018

Hak cipta nasional

### **NUTRIEN VITAMIN D DAN MINERAL KALSIUM**

DINA KEUMALA SARI

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2018

Hak cipta nasional

### **NUTRISI PENYAKIT PARU (BUKU AJAR)**

DINA KEUMALA SARI

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