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## Publications

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2021

Jurnal internasional bereputasi

**Correlation of signal to noise ratio (SNR) value on distortion product otoacoustic emission (DPOAE) and expression of nuclear factor erythroid 2-related factor 2 (NRF2) in cochlear organ of Corti in rat exposed to noise**

TENGKU SITI HAJAR HARYUNA

2023

Jurnal internasional bereputasi

**Curcumin Prevents Ototoxicity Induced by Cisplatin as Evaluated with OAE**

TENGKU SITI HAJAR HARYUNA

2018

Jurnal internasional bereputasi

**Middle ear risk index scores as a predictor for hearing threshold after tympanoplasty in patients with chronic suppurative otitis media**

TENGKU SITI HAJAR HARYUNA

2025

Buku referensi

**Handling Global Health Problems with North Sumatra Local Wisdom**

TENGKU SITI HAJAR HARYUNA

2013

Jurnal internasional

**THE EFFECT OF CURCUMINOID TO NOISE EXPOSURE VIEWED FROM THE EXPRESSION OF HEAT SHOCK PROTEIN-70 (HSP-70) IN COCHLEAR FIBROBLASTS OF RATTUS NORVEGICUS**

TENGKU SITI HAJAR HARYUNA

2022

Jurnal internasional bereputasi

**COVID-19 among Indonesian ENT specialist and resident after second dose of Sinovac vaccination**

TENGKU SITI HAJAR HARYUNA

2016

Jurnal internasional bereputasi

**Influence of Hormonal Changes on Audiologic Examination in Normal Ovarian Cycle Females: An Analytic Study**

TENGKU SITI HAJAR HARYUNA

2025

Jurnal internasional bereputasi

**Correlation of Indoxyl Sulfate to Hearing Impairment in Chronic Kidney**

## Disease Patients

TENGKU SITI HAJAR HARYUNA , Khalisanni Khalid

2022

Buku referensi

### **BUKU LOG PROGRAM PENDIDIKAN DOKTER SPESIALIS - 1 ILMU KESEHATAN TELINGA HIDUNG TENGGOROK BEDAH KEPALA DAN LEHER**

TENGKU SITI HAJAR HARYUNA

2019

Jurnal internasional bereputasi

### **Decreased Protein Kinase C Expression in the Cochlear Fibroblasts of Diabetic Rat Models Induced by Curcumin**

TENGKU SITI HAJAR HARYUNA

2022

Jurnal internasional bereputasi

### **The Correlation of Signal to Noise Ratio Value on DPOAE with Malondialdehyde Levels in Rattus Norvegicus Diabetes Model**

TENGKU SITI HAJAR HARYUNA

2022

Jurnal internasional bereputasi

### **The level of community behaviour towards hearing loss in Indonesia**

TENGKU SITI HAJAR HARYUNA

2022

Buku lainnya

### **Survei Deteksi dan Intervensi Penderita Tuli Kongenital di Indonesia**

Jenny Bashiruddin , INDRA ZACHREINI , TENGKU SITI HAJAR HARYUNA

2018

Jurnal internasional bereputasi

### **Hearing threshold differences between pre and post tympanoplasty in patients with chronic suppurative otitis media**

TENGKU SITI HAJAR HARYUNA

2023

Book chapter nasional

### **Pokok-Pokok Pemikiran Guru Besar dalam Mendukung Kemajuan Universitas Sumatera Utara**

TENGKU SITI HAJAR HARYUNA

2013

Jurnal internasional

### **Correlation between local and systemic expression of Matrix Metalloproteinase (MMP-9) due to noise-induced stress treated by Curcuminoid**

TENGKU SITI HAJAR HARYUNA

2024

Buku referensi

### **INTEGRITAS DAN MORAL SIVITAS AKADEMIKA**

ROSMAYATI , MASFRIA , TENGKU SITI HAJAR HARYUNA , ARLINA NURBAITY LUBIS , SONDANG PINTAULI , AGUS PURWOKO , IDA YUSTINA

2021

Jurnal internasional bereputasi

### **Correlation of SOD and MDA Expression in the Organ of Corti and Changes in the Function of Outer Hair Cells Measured by DPOAE Examination in Noise-Exposed Rat Cochlea**

TENGKU SITI HAJAR HARYUNA

2015

Jurnal internasional bereputasi

### **Modulation of antioxidant status by curcumin prevents cochlear damage after**

## **noise exposure**

TENGKU SITI HAJAR HARYUNA

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2021

Jurnal nasional terakreditasi

### **A survey of Indonesian otolaryngologist behavior in medical service during the CoVid-19 pandemic**

TENGKU SITI HAJAR HARYUNA

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2019

Jurnal internasional bereputasi

### **Elevated matrix metalloproteinase-3 level may affect hearing function in patients with rheumatoid arthritis**

TENGKU SITI HAJAR HARYUNA

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2018

Jurnal internasional bereputasi

### **The effect of curcumin as an antioxidant on cochlea fibroblasts in ototoxic rat models**

TENGKU SITI HAJAR HARYUNA

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2016

Jurnal internasional bereputasi

### **CURCUMIN PREVENTS COCHLEAR OXIDATIVE DAMAGE AFTER NOISE EXPOSURE**

TENGKU SITI HAJAR HARYUNA

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2016

Jurnal internasional bereputasi

### **Effect of Curcuma longa L. extract on the AP1 expression in rat cochlear fibroblasts under noise conditions**

TENGKU SITI HAJAR HARYUNA

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2021

Jurnal internasional bereputasi

### **The Benefits of Curcuminoid to Expression Nuclear Factor Erythroid 2 Related Factor 2 (NRF2) and Signal to Noise Ratio (SNR) Value in the Noise Exposed Organ of Corti of Rattus Norvegicus**

TENGKU SITI HAJAR HARYUNA

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2011

Jurnal nasional terakreditasi

### **Pengaruh bising lingkungan sekolah terhadap kelelahan bersuara pada guru sekolah dasar**

TENGKU SITI HAJAR HARYUNA

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2018

Jurnal internasional bereputasi

### **The Antiapoptotic Effect of Curcumin in the Fibroblast of the Cochlea in an Ototoxic Rat Model**

TENGKU SITI HAJAR HARYUNA

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2022

Jurnal internasional bereputasi

### **Factors associated with time of diagnosis and habilitation of congenital hearing loss in Indonesia: A multicenter study**

TENGKU SITI HAJAR HARYUNA

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2022

Buku lainnya

### **STRATEGI PENINGKATAN PEMERINGKATAN UNIVERSITAS SUMATERA UTARA**

TENGKU SITI HAJAR HARYUNA

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2013

Jurnal internasional

# **The effect of Curcuminoid to noise exposure viewed from the expression of Matrix Metalloproteinase (MMP-9) in cochlear fibroblasts of Rattus norvegicus**

TENGGU SITI HAJAR HARYUNA

2023

Buku referensi

## **Pemikiran Guru Besar Universitas Sumatera Utara Pembangunan di Era Digitalisasi: Telaah Multi Perspektif**

TENGGU SITI HAJAR HARYUNA

2017

Jurnal internasional

## **The Increased Expressions of Type IV Collagen in Cochlear Fibroblasts of Diabetic Rat Models Caused by Curcumin Therapy**

TENGGU SITI HAJAR HARYUNA

2019

Jurnal internasional

## **Increased Apoptosis Index in Cochlear Fibroblasts Diabetic Rat Model (A Pilot Study)**

TENGGU SITI HAJAR HARYUNA

2018

Jurnal internasional bereputasi

## **The Effects of Rheumatoid Arthritis in Hearing Loss: Preliminary Report**

TENGGU SITI HAJAR HARYUNA

2022

Buku referensi

## **MODUL PENDIDIKAN KLINIK DEPARTEMEN ILMU KESEHATAN TELINGA HIDUNG TENGGOROK, BEDAH KEPALA DAN LEHER**

TENGGU SITI HAJAR HARYUNA

2025

Artikel ilmiah

## **Noise Induced Hearing Loss**

TENGGU SITI HAJAR HARYUNA

2020

Book chapter nasional

## **Pemikiran Guru Besar USU Tentang Corona Virus Disease-19 (Covid-19)**

TENGGU SITI HAJAR HARYUNA

2017

Jurnal internasional bereputasi

## **The Antioxidant Effect of Curcumin on Cochlear Fibroblasts in Rat Models of Diabetes Mellitus**

TENGGU SITI HAJAR HARYUNA

2022

Buku referensi

## **BUKU LOG PENDIDIKAN KLINIK DEPARTEMEN ILMU KESEHATAN TELINGA HIDUNG TENGGOROK, BEDAH KEPALA DAN LEHER**

TENGGU SITI HAJAR HARYUNA

2018

Jurnal internasional bereputasi

## **Noise Induced Hearing Loss in Begerpang Palm Oil Mill Workers**

TENGGU SITI HAJAR HARYUNA

2021

Buku lainnya

## **Pemikiran Guru Besar USU tentang Peta Jalan Pendidikan Indonesia**

TENGGU SITI HAJAR HARYUNA

2023  
Jurnal internasional bereputasi

## **Effect of intra-arterial heparin flushing (IAHF) to prestin and vascular endothelial growth factor (VEGF) level in hearing loss patients**

TENGGU SITI HAJAR HARYUNA

2016  
Jurnal internasional bereputasi

## **Curcumin Reduces the Noise-Exposed Cochlear Fibroblasts Apoptosis**

TENGGU SITI HAJAR HARYUNA

2025  
Jurnal nasional

## **HUBUNGAN DIABETES MELLITUS TIPE 2 DENGAN GANGGUAN PENDENGARAN BERDASARKAN PEMERIKSAAN OTOACOUSTIC EMISSION DAN AUDIOMETRI NADA MURNI**

TENGGU SITI HAJAR HARYUNA , SHANAZ KANANDA

2023  
Jurnal internasional bereputasi

## **The Effect of the Intra-Arterial Heparin Flushing (IAHF) Procedure On Hearing Threshold In Sensorineural Hearing Loss Patients**

TENGGU SITI HAJAR HARYUNA

2017  
Jurnal nasional terakreditasi

## **Hubungan Rinitis Alergi dengan Kejadian Otitis Media Supuratif Kronik**

TENGGU SITI HAJAR HARYUNA

2022  
Jurnal internasional bereputasi

## **Correlation of the Presence of Non Structural-1 (NS1) Antigen Dengue Virus with Severity of Dengue Infection**

TENGGU SITI HAJAR HARYUNA

2021  
Jurnal internasional bereputasi

## **Correlation Between Oxidant and Antioxidant Status (MDA and SOD Expression) and the Improvement of Outer Hair Cells Function Due to Curcumin Administration in Noise-Exposed Rattus Norvegicus Cochlea Assessed by DPOAE Examination**

TENGGU SITI HAJAR HARYUNA

2023  
Jurnal nasional terakreditasi

## **HUBUNGAN ANTARA FAKTOR DEMOGRAFI DAN PENYAKIT KOMORBID TERHADAP GANGGUAN PENCIUMAN DAN PENGECAPAN PADA PENDERITA COVID-19 YANG BEROBAT JALAN DI POLI COVID RSUP HAJI ADAM MALIK MEDAN**

TENGGU SITI HAJAR HARYUNA , ANDRINA YUNITA MURNI RAMBE , CORYZA GABRIE TAN

2016  
Buku referensi

## **TELINGAKU MASA DEPANKU "Pendengaran, Jendela Ilmu dan Investasi Masa Depan"**

TENGGU SITI HAJAR HARYUNA

2023  
Jurnal internasional bereputasi

## **Correlation between signal transducer and activator of transcription 1 (STAT 1), vascular endothelial growth factor (VEGF), and signal to noise ratio (SNR) value in otoacoustic emission (OAE) examination on organ of Corti cochlea due to cisplatin.**

TENGGU SITI HAJAR HARYUNA

2013

## **Hubungan rinitis alergi dan disfungsi tuba Eustachius dengan menggunakan timpanometri**

TENGGU SITI HAJAR HARYUNA

2024

## **Knowledge Level and Frequency of Swimming to the Incidence of Otitis Externa in Swimming Athletes in Medan**

TENGGU SITI HAJAR HARYUNA , FAHMI ROMADHANI

2024

## **The Benefits of Curcumin in Preventing Noise-Induced Hearing Loss**

TENGGU SITI HAJAR HARYUNA

2022

## **Financing hearing aids for patients with congenital deafness in Indonesia**

TENGGU SITI HAJAR HARYUNA

2022

## **Antioxidant Effect of Curcumin on the Prevention of Oxidative Damage to the Cochlea in an Ototoxic Rat Model Based on Malondialdehyde Expression**

TENGGU SITI HAJAR HARYUNA

## **Researches**

2022

## **Manfaat Curcuminoid pada Tikus Model Ototoksik dan Manfaat Madu pada Tikus Model Diabetes Mellitus untuk Memperbaiki Kerusakan Telinga Dalam, Ditinjau dari Pemeriksaan DPOAE, Kadar NFkB, Apoptosis, MDA dan VEGF pada Darah**

T SITI HARILZA ZUBAIDAH , TENGGU SITI HAJAR HARYUNA

2022

## **Korelasi Penurunan Nilai Ekspresi Malondialdehyde (MDA) pada Koklea dan Kadar MDA Darah pada Tikus Model Diabetes Mellitus (DM) Sebagai Marker Perbaikan Kerusakan Telinga Dalam Dengan Terapi Madu**

MUHAMMAD EDY SYAHPUTRA NASUTION , TENGGU SITI HAJAR HARYUNA

## **Community Services**

2024

## **Bakti Kesehatan dan Pengabdian Masyarakat Operasi Telinga, Pelatihan Nakes, Penyuluhan Masyarakat Awam, Bersih-Bersih Telinga dan Pemeriksaan Pendengaran**

DEVIRA ZAHARA , TENGGU SITI HAJAR HARYUNA

2024

## **Bakti Kesehatan PERHATI-KL Cabang SUMUT bekerjasama dengan Lions Clubs International Distrik 307-A2 yang terdiri dari Penyuluhan, Pemeriksaan THT dan Bersih-Bersih Telinga**

DEVIRA ZAHARA , TENGGU SITI HAJAR HARYUNA

2026

## **Panitia pelaksana pemeriksaan kesehatan bagi calon mahasiswa PPDS MKK FK USU Februari 2026**

MUHAMMAD RIZKI YAZNIL , TENGKU SITI HAJAR HARYUNA

2024

## **KOMITE PENILAIAN/REVIEWER PENELITIAN DRTPM KEMDIKBUDRISTEK TAHUN 2024**

ROBERT SIBARANI , TENGKU SITI HAJAR HARYUNA

2024

## **PANITIA PELAKSANAAN PEMERIKSAAN KESEHATAN BAGI CALON MAHASISWA PROGRAM PENDIDIKAN DOKTER SPESIALIS (PPDS) MAGISTER KEDOKTERAN KLINIK (MKK)**

YUDHA SUDEWO , TENGKU SITI HAJAR HARYUNA , Mawaddah

2024

## **Bakkes Penyuluhan, Pemeriksaan, Pendengaran dan Bersih Bersih Telinga PERHATI-KL SUMUT**

DEVIRA ZAHARA , TENGKU SITI HAJAR HARYUNA

2025

## **Tim Pemeriksaan Kesehatan Mahasiswa Baru USU Jalur Mandiri Tahap 1 2025**

RIYADH IKHSAN , TENGKU SITI HAJAR HARYUNA

2025

## **Tim Pemeriksaan Kesehatan Mahasiswa Baru USU Jalur SNBP 2025**

RIYADH IKHSAN , TENGKU SITI HAJAR HARYUNA

2024

## **PANITIA PELAKSANAAN PEMERIKSAAN KESEHATAN BAGI CALON MAHASISWA PROGRAM PENDIDIKAN DOKTER SPESIALIS (PPDS) MAGISTER KEDOKTERAN KLINIK (MKK)**

YUDHA SUDEWO , TENGKU SITI HAJAR HARYUNA

2025

## **Bakti kesehatan penyuluhan dan bersih-bersih telinga PERHATI-KL Cabang Sumatera Utara bersama Perhimpunan Tunanetra Indonesia**

DEVIRA ZAHARA , TENGKU SITI HAJAR HARYUNA

2025

## **Tim Pemeriksaan Kesehatan Mahasiswa Baru USU Jalur SNBT 2025**

RIYADH IKHSAN , TENGKU SITI HAJAR HARYUNA

## **Intellectual Property Rights**

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## **BUKU LOG PENDIDIKAN KLINIK DEPARTEMEN ILMU KESEHATAN TELINGA HIDUNG TENGGOROK, BEDAH KEPALA DAN LEHER**

TENGKU SITI HAJAR HARYUNA

2022

Hak cipta nasional

## **MODUL PENDIDIKAN KLINIK DEPARTEMEN ILMU KESEHATAN TELINGA HIDUNG TENGGOROK, BEDAH KEPALA DAN LEHER**

TENGKU SITI HAJAR HARYUNA

2022

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## **Survei Tingkat Perilaku Dokter THT-KL Dalam Pelayanan Medis Pada Pandemi COVID-19 Di Indonesia**

TENGGU SITI HAJAR HARYUNA

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2022

Hak cipta nasional

**BUKU LOG PROGRAM PENDIDIKAN DOKTER SPESIALIS - 1 ILMU  
KESEHATAN TELINGA HIDUNG TENGGOROK BEDAH KEPALA DAN LEHER**

TENGGU SITI HAJAR HARYUNA

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2022

Hak cipta nasional

**A Survey Of Indonesian Otolaryngologist Behavior In Medical Service During  
The CoVid-19 Pandemic**

TENGGU SITI HAJAR HARYUNA

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2022

Hak cipta nasional

**Survei Deteksi dan Intervensi Penderita Tuli Kongenital di Indonesia**

TENGGU SITI HAJAR HARYUNA

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2022

Hak cipta nasional

**MEDICATION HISTORY OF MOTHER WHOSE CHILDREN HAD CONGENITAL  
HEARING LOSS DURING PREGNANCY: A SURVEY STUDY**

TENGGU SITI HAJAR HARYUNA

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