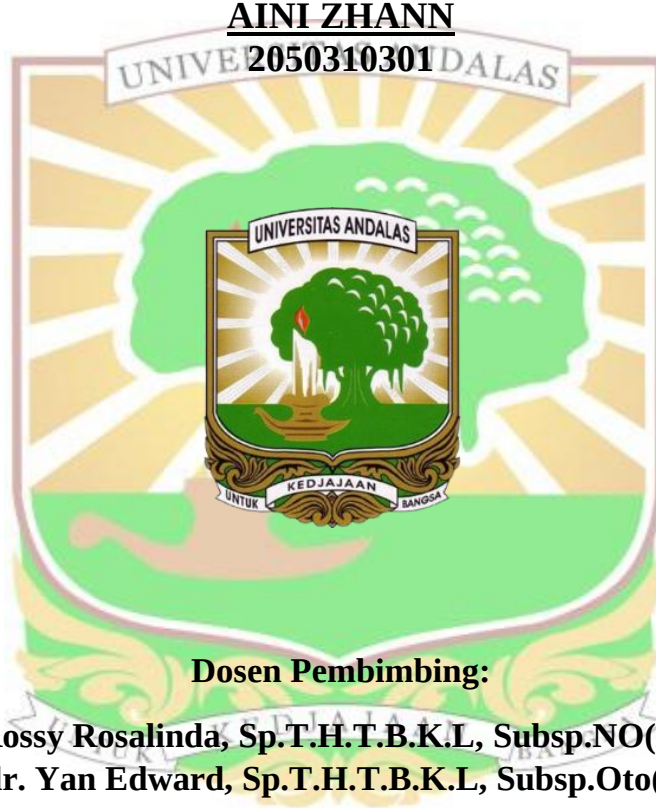


**HUBUNGAN PERUBAHAN KADAR INTERLEUKIN-6
DAN AMBANG DENGAR SEBAGAI RESPON TERAPI
KORTIKOSTEROID SISTEMIK PADA PENDERITA
TULI MENDADAK**

OLEH :

AINI ZHANN

2050310301



Dosen Pembimbing:

1. dr. Rossy Rosalinda, Sp.T.H.T.B.K.L, Subsp.NO(K)
2. Dr. dr. Yan Edward, Sp.T.H.T.B.K.L, Subsp.Oto(K), FICS
3. dr. Hirowati Ali, PhD
4. dr. Husna Yetti, PhD

**FAKULTAS KEDOKTERAN
PROGRAM PENDIDIKAN DOKTER SPESIALIS
TELINGA HIDUNG TENGGOROK BEDAH KEPALA DAN LEHER
PADANG
2025**

**HUBUNGAN PERUBAHAN KADAR INTERLEUKIN-6
DAN AMBANG DENGAR SEBAGAI RESPON TERAPI KORTIKOSTEROID
SISTEMIK PADA PENDERITA
TULI MENDADAK**

Aini Zhann

ABSTRAK

Latar Belakang: Tuli mendadak merupakan keadaan darurat di bidang THT-KL khususnya di bagian Neurotologi. Kadar interleukin-6 (IL-6) meningkat pada penderita tuli mendadak. Kadar IL-6 dalam darah penderita tuli mendadak berkorelasi dengan hasil terapi dan ambang dengar pada pemberian kortikosteroid sistemik. **Tujuan:** Mengetahui hubungan perubahan kadar IL-6 dan ambang dengar sebagai respon terapi kortikosteroid sistemik pada penderita tuli mendadak. **Metode:** Penelitian ini merupakan penelitian *cross-sectional* dengan desain *pretest-posttest one group design*. Sampel penelitian adalah 14 plasma penderita tuli mendadak. Darah dan audiometri penderita tuli mendadak di ambil sebelum dan sesudah pemberian kortikosteroid sistemik. Pemeriksaan kadar IL-6 dilakukan dengan mesin ELISA di Laboratorium Biomedik FK UNAND. Pada semua data penelitian dilakukan analisis univariat dan bivariat. **Hasil:** Hubungan bermakna secara statistik antara perubahan kadar IL-6 dan ambang dengar berdasarkan kriteria Siegel sebelum dan sesudah pemberian kortikosteroid sistemik dengan nilai $p=0,102$ ($p>0,05$). **Kesimpulan:** Tidak terdapat perbedaan bermakna secara statistik antara perubahan kadar IL-6 dan ambang dengar sebelum dan sesudah pemberian kortikosteroid sistemik.

Kata kunci: Tuli Mendadak, Interleukin-6, Kortikosteroid, Ambang Dengar

**RELATIONSHIP BETWEEN CHANGES IN INTERLEUKIN-6 LEVELS
AND HEARING THRESHOLD AS A RESPONSE TO SYSTEMIC
CORTICOSTEROID THERAPY IN PATIENTS WITH
SUDDEN DEAFNESS**

Aini Zhann

ABSTRACT

Background: Sudden deafness is an emergency in the field of ENT-KL, especially in the Neurotology department. Interleukin-6 (IL-6) levels increase in patients with sudden deafness. IL-6 levels in the blood of patients with sudden deafness correlate with the results of therapy and hearing thresholds in the administration of systemic corticosteroids. **Objective:** To determine the relationship between changes in IL-6 levels and hearing thresholds as a response to systemic corticosteroid therapy in patients with sudden deafness. **Methods:** This study was a cross-sectional study with a pretest-posttest one group design. The study sample was 14 plasma patients with sudden deafness. Blood and audiometry of patients with sudden deafness were taken before and after administration of systemic corticosteroids. Examination of IL-6 levels was carried out using an ELISA machine at the Biomedical Laboratory, Faculty of Medicine, UNAND. Univariate and bivariate analyses were performed on all research data. **Results:** A statistically significant relationship between changes in IL-6 levels and hearing thresholds based on Siegel's criteria before and after administration of systemic corticosteroids with a p value of 0.102 ($p > 0.05$). **Conclusion:** There was no statistically significant difference between changes in IL-6 levels and hearing threshold before and after systemic corticosteroid administration.

Keywords: Sudden Deafness, Interleukin-6, Corticosteroids, Hearing Threshold