

**FAKULTAS KEDOKTERAN  
UNIVERSITAS PEMBANGUNAN NASIONAL “VETERAN” JAKARTA**

**Skripsi, 8 Januari 2025**

**CHELSEY ALFIRA PRATIWI, No. NRP 2110211007**

**HUBUNGAN BERAT BADAN LAHIR, RIWAYAT IMUNISASI, DAN  
STATUS GIZI DENGAN LAMA RAWAT INAP PASIEN PNEUMONIA  
ANAK USIA 6 BULAN-5 TAHUN DI RS AZRA BOGOR**

RINCIAN HALAMAN (xviii + 66 halaman, 8 tabel, 3 bagan, 2 gambar, 7 lampiran)

**Chelsy Alfira Pratiwi**

**ABSTRAK**

**Introduksi:** Pneumonia merupakan infeksi saluran pernapasan akut yang mengakibatkan peradangan pada parenkim paru-paru dan menjadi penyebab utama kesakitan serta kematian pada anak di bawah usia lima tahun di seluruh dunia. Di Indonesia, pneumonia termasuk salah satu kasus rawat inap terbanyak, dengan durasi rawat inap (LOS) dapat dipengaruhi oleh berat badan lahir, riwayat imunisasi, dan status gizi. Penelitian ini memiliki tujuan menganalisis hubungan antara berat badan lahir, riwayat imunisasi, dan status gizi dengan durasi rawat inap pasien anak penderita pneumonia. **Metode:** Penelitian ini menggunakan metode observasi analitik dengan desain potong lintang dan melibatkan 73 sampel yang diambil dari data rekam medis RS Azra Bogor pada periode Januari 2020 hingga September 2024. **Hasil:** Analisis Chi-square menunjukkan bahwa tidak terdapat hubungan yang signifikan antara berat badan lahir ( $p=0,330$ ;  $PR=1,813$ ) dan status gizi ( $p=0,590$ ;  $PR=1,293$ ) dengan durasi rawat inap pasien anak penderita pneumonia. Sebaliknya, penelitian ini menemukan hubungan signifikan serta

korelasi positif yang kuat, sebesar 5,719 kali, antara riwayat imunisasi dan durasi rawat inap pasien anak penderita pneumonia ( $p=0,000$ ;  $PR=5,729$ ). **Kesimpulan:** Terdapat hubungan signifikan antara riwayat imunisasi dengan durasi rawat inap pasien anak penderita pneumonia. Namun, tidak ditemukan hubungan yang signifikan antara berat badan lahir maupun status gizi dengan durasi rawat inap pasien anak penderita pneumonia.

**Daftar Pustaka** : 80

**Kata Kunci** : pneumonia, anak, lama rawat inap

**FACULTY OF MEDICINE**

**UNIVERSITAS PEMBANGUNAN NASIONAL “VETERAN” JAKARTA**

*Undergraduate Thesis, 8 January 2025*

**CHELSY ALFIRA PRATIWI, No. NRP 2110211007**

**THE RELATIONSHIP BETWEEN BIRTH WEIGHT, IMMUNIZATION HISTORY, AND NUTRITIONAL STATUS WITH LENGTH OF STAY AMONG PEDIATRIC PNEUMONIA PATIENTS AGED 6 MONTHS-5 YEARS AT AZRA BOGOR HOSPITAL**

PAGE DETAILS (xiii + 66 pages, 8 tables, 3 charts, 2 image, 7 appendices)

**Chelsy Alfira Pratiwi**

**ABSTRACT**

**Introduction:** *Pneumonia is an acute respiratory infection that results in inflammation of the lung parenchyma and is a leading cause of morbidity and mortality in children under the age of five worldwide. In Indonesia, pneumonia is one of the most common hospitalization cases, with the duration of hospitalization (LOS) influenced by birth weight, immunization history, and nutritional status. This study aims to analyze the relationship between birth weight, immunization history, and nutritional status with the duration of hospitalization of pediatric patients with pneumonia.* **Methods:** *This study used an analytic observation method with a cross-sectional design and involved 73 samples taken from the medical record data of Azra Bogor Hospital in the period January 2020 to September 2024.* **Results:** *Chi-square analysis showed that there was no significant relationship between birth weight ( $p=0.330$ ;  $PR=1.813$ ) and nutritional status ( $p=0.590$ ;  $PR=1.293$ ) with the duration of hospitalization of pediatric patients with pneumonia. In contrast, this study found a significant relationship as well as a strong positive association of 5.719 times between immunization history and the duration of hospitalization of pediatric patients with pneumonia ( $p=0.000$ ;  $PR=5.729$ ).* **Conclusion:** *There is a significant relationship between immunization history and the duration of hospitalization of pediatric patients with pneumonia. However, there was no*

*significant relationship between birth weight or nutritional status with the duration of hospitalization of pediatric patients with pneumonia*

**Bibliography** : 80

**Keywords** : *pneumonia, pediatric, length of stay*