

**Politeknik Kesehatan Kemenkes Tanjung Karang**  
**Jurusan Kesehatan Lingkungan**  
Skripsi , Agustus 20124

**Sunardi**

**Hubungan Kondisi Sanitasi Perumahan dengan Kejadian  
Penyakit Pneumonia Balita di Puskesmas Rawat Inap Bakauheni  
Kecamatan Bakauheni, Kabupaten Lampung Selatan Tahun 2024**

xviii + 82 halaman, 21 Tabel, 7 Gambar dan 7 lampiran

### **RINGKASAN**

**Latar belakang:** Penyakit saluran pernapasan sebagai penyebab kesakitan dan kematian terbesar pada balita, salah satunya pneumonia. Pneumonia terjadi karena mikroorganisme seperti *Streptococcus pneumoniae*. Pneumonia merupakan penyebab utama kematian balita di dunia, angka kejadian di wilayah kerja puskesmas Bakauheni dalam 3 tahun terakhir selalu beregrak naik, pada tahun 2020 : 48 kasus, 2021 : 38 kasus, 2022 : 42 kasus dan tahun 2023 : 45 kasus.

**Metode analisis:** Jenis penelitian ini adalah menggunakan metode analitik dengan pendekatan *case control*. Teknik pengambilan sampel menggunakan simple random sampling, sampel sebanyak 103 responden 21 sampel kasus, 82 sampel kontrol. Teknik analisis data menggunakan uji statistik *chi-square*.

**Hasil:** Hasil penelitian : Distribusi frekuensi kasus pneumonia balita : usia 0 - < 1 tahun : 8 kasus ( 38,1 % ), usia 1 – 5 tahun : 13 kasus ( 61,9 % ), Jenis kelamin penderita pneumonia balita pria : 10 anak ( 47,6 % ) dan wanita 11 anak ( 52,4 % ).

Tidak ada hubungan antara luas ventilasi rumah (*p-value*: 1 OR: 0,993 CI: 0.377- 2,616 ), kondisi dinding rumah (*p-value*: 0.731 OR : 0,731 CI: 0.256 – 2,088 , jenis lantai (*p-value*: 1 OR: 1.550 CI: 0.549 – 4,376 ), pencahayaan rumah (*p-value*: 1 OR: 0.866 CI: 0.332 – 2,280 ) dengan kejadian penyakit pneumonia balita. Ada hubungan antara kepadatan hunian (*p-value*: 0.000 OR: 7,750 CI: 2.652 – 22,652 dengan kejadian pneumonia balita di Wilayah Kerja UPT Puskesmas Rawat Inap Bakauheni tahun 2024.

**Saran:** Berdasarkan hasil penelitian saran yang diajukan adalah memperhatikan kebersihan rumah, menambah genting kaca, dan membiasakan membuka ventilasi.

**Kata Kunci** : Pneumonia Balita, Kepadatan Hunian, Luas Ventilasi,

Pencahayaan Alamiah.

**Kepustakaan** : 21 (2023 – 2005)

**POLITEKNIK KESEHATAN KEMENTERIAN KESEHATAN TANJUNG  
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**SUNARDI**

*xviii + 82 pages , 21 Tables , 7 Figure dan 7 appendices*

**ABSTRACT**

*THE RELATIONSHIP BETWEEN PHYSICAL ENVIRONMENT WITH THE  
EVENT OF PNEUMONIA IN CHILDREN UNDER FIVE YEAR IN THE  
WORKING AREA OF BAKAUHENI COMMUNITY HEALTH CENTER IN  
SUBDISTRICT BAKAUHENI , SOUTH LAMPUNG REGENCY IN 2024*

**Background:** *Respiratory disease as the biggest cause of morbidity and mortality in infants, one of which is pneumonia. Pneumonia occurs because of microorganisms such as Streptococcus pneumonia. Pneumonia is the leading cause of infant mortality in the world, in the working area of Bakauheni Community health center from 4 years ago have been a moving forward, in 2020 have 48 case, in 2021, 38 case, in 2022, 42 case and in 2023, 45 case.*

**Methods:** *This type of research was an observational analytic survey with case control approach. The sampling technique used simple random sampling, a sample of 103 respondents , 21 case , 82 controls sampling. Data analysis techniques used the chi-square statistical test.*

**Result:** *The result of research frequency distribution pneumonia case under five year age 0 - < 1 year : 8 case ( 38,1 % ) , age 1 – 5 year : 13 case ( 61,9% ) , and male gender : 10 case ( 47,6 % ) , female : 11 case ( 52,4 % ).*

*There was no relationship between ventilation area p-value 1 ( OR : 0 , 7 3 1 CI: 0.256 – 2,088 ) , the type of floor (p-value: 1 OR: 1.550 CI: 0.549 – 4,376 ) , type of wall (p-value: 0.731 OR : 0 , 7 3 1 CI: 0.256 – 2,088 ) natural lighting (p-value: 1 OR: 0.866 CI: 0.332 – 2,280 ) , and the incidence of pneumonia in children under five year.*

*There was a relationship between occupancy density (p-value: 0.000 OR: 7,750 CI: 2.652 – 22,652 and the incidence of pneumonia case in children under five year at the working area Bakauheni community health center in 2024*

**Suggestion:** *Based on the results of the research the suggestions put forward were paying attention to the cleanliness of the house, adding glass tiles, and getting ventilation open.*

**Keywords:** *Pneumonia in children under five year, Occupancy Density, Ventilation Area , Natural Lighting.*

**Literature:** *22 (2023 – 2005 ).*