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- ANTIBIOTIK RILE AUREUS

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**SKRIPSI**

**DANANG TJANDRA ATMADJA**

**STUDI PERBANDINGAN AKTIVITAS N-BENZOIL  
SEFRADIN DAN N-(4-t-BUTILBENZOIL) SEFRADIN  
TERHADAP *Staphylococcus aureus* ATCC 25923**



**MILIK  
PERPUSTAKAAN  
UNIVERSITAS AIRLANGGA  
SURABAYA**

**FAKULTAS FARMASI  
UNIVERSITAS AIRLANGGA  
BAGIAN KIMIA FARMASI  
SURABAYA**

**2004**

Lembar Pengesahan

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**SKRIPSI**

Sebagai salah satu syarat untuk memperoleh gelar Sarjana Farmasi pada Fakultas Farmasi  
Universitas Airlangga  
Surabaya

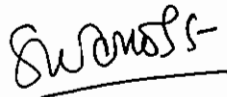
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STUDY OF COMPARISON OF *N*-BENZOYL CEPHRADINE  
AND *N*-(4-*t*-BUTYLBENZOYL) CEPHRADINE CONFRONT TO  
*Staphylococcus aureus* ATCC 25923

**Abstract**

The act of determining of *N*-(4-*t*-butylbenzoyl)cephradine as the new compound antibacterial activity has been done in this research. Cephradine as the first compound and *N*-benzoyl cephradine as the primary compound has been used for the standard of comparison this antibacterial research.

The determining of antibacterial activity has been done through metal cylinder diffusion method along with antibiotic 1 as a media confront to *Staphylococcus aureus* ATCC 25923. *N*-(4-*t*-butylbenzoyl)cephradine antibacterial activity states in diameter of closure area so that minimum inhibity concentration (MIC) can be confirmed.

From research of antibacterial activity it can be conclude that *N*-(4-*t*-butylbenzoyl)cephradine has lower antibacterial activity than *N*-benzoyl cephradine but more high compare to cephradine as first compound.

Keyword: *N*-benzoyl cephradine, *N*-(4-*t*-butylbenzoyl)cephradine, *Staphylococcus aureus* ATCC 25923, Antibacterial activity