

Perbandingan Efektivitas Metode Dekontaminasi N-acetyl-L-cysteine-sodium hydroxide(NALC-NaOH) dan Modified Petroff terhadap Kultur Mycobacterium tuberculosis = Comparison of Effectivity between N-acetyl-L-cysteine-sodium hydroxide (NALC-NaOH) and Modified Petroff Decontamination Method in Mycobacterium tuberculosis Culture

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Abstrak

ABSTRAK

N-acetyl-L-cysteine-sodium hydroxide NALC-NaOH dan Modified Petroff merupakan dua metode dekontaminasi yang cukup sering digunakan untuk kultur TB. Pada penelitian berdesain cross sectional ini, dilakukan perbandingan proporsi kultur terkontaminasi dan hasil kultur positif antara kelompok sampel yang diproses dengan NALC-NaOH dan Modified Petroff. Analisis bivariat menunjukkan bahwa proporsi kultur terkontaminasi pada sampel yang diproses dengan teknik NALC-NaOH 38,2 secara signifikan $p=0,034$ lebih tinggi dibanding dengan teknik Modified Petroff 18,2 . Akan tetapi, tidak terdapat perbedaan yang signifikan $p=1,000$ antara proporsi hasil kultur positif pada kelompok sampel yang diproses dengan teknik NALC-NaOH 73,5 dan Modified Petroff 73,3 . Hasil yang diperoleh pada penelitian ini berbeda dengan hasil penelitian yang sebelumnya telah membandingkan antara teknik NALC-NaOH dan Modified Petroff.

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ABSTRACT

N acetyl L cysteine sodium hydroxide NALC NaOH and Modified Petroff are two decontamination methods that are widely used for TB culture. This cross sectional study compares the proportion of contaminated culture and positive culture result between samples treated with NALC NaOH and Modified Petroff. Bivariate analysis of the data showed that the proportion of contaminated culture was significantly $p 0,034$ higher in samples treated with NALC NaOH 38,2 than in those treated with Modified Petroff 18,2 . However, significant difference in the proportion of positive culture result between samples treated with NALC NaOH 73,5 and Modified Petroff 73,3 was not shown $p 1,000$. The result of this study differs from that of previous study that compared NALC NaOH and Modified Petroff.