Studi Komparatif Pemeriksaan Kultur Mycobacterium Tuberculosis pada Media Middlebrook 7H10 Komersial dan Middlebrook 7H10 Modifikasi

Abstrak:

Tuberculosis diagnosis could be found based on patients history, clinical syndrome and radiological examination but definitive diagnosis of tuberculosis resulted from Mycobacterium tuberculosis bacilli such as microscopically sputum examination at once then culture testing for confirmed identification was performed. This study was a diagnostic laboratory trial which was performed comparatively to detect Mycobacterium tuberculosis on sputum culture examination in patients with suspected pulmonary tuberculosis using commercial Middlebrook 7H10 and Middlebrook 7H10 modified media (adding local chicken’s white eggs). It was received from collected primary data using note and observation of culture result by commercial Middlebrook 7H10 and Middlebrook 7H10 modified and microscopically examination on sputum smear with colouring Ziehl Neelsen and nacin accumulation tests. Middlebrook 7H10 modified method could be used as alternatives to diagnose pulmonary tuberculosis besides commercial Middlebrook 7H10.

Keyword:

Mycobacterium tuberculosis, Comersial Middlebrook 7H10, Middlebrook 7H10 Modified