

ABSTRAK

Tuberkulosis (TBC) adalah penyakit yang disebabkan oleh bakteri *Mycobacterium tuberculosis*. *Mytobacterium tuberculosis* sebagai penyakit penyebab tuberkulosis memiliki fase istirahat atau dorman yang menyebabkan proses penyembuhan membutuhkan waktu lama sehingga memungkinkan kebosanan atau pemberhentian konsumsi obat pada penderita TB. Penelitian ini menggunakan metode potong lintang dengan mengambil data hasil laboratorium pemeriksaan TCM *GeneXpert* pada pasien suspek Tuberculosis paru, pada pasien diperiksa TCM *GeneXpert* didapatkan hasil MTB (Mikrobakteri Tuberculosis) negative sebanyak 0 pasien (0.0%), MTB (Mikrobakteri Tuberculosis) terdeteksi +1 Low MTB (Mikrobakteri Tuberculosis) sebanyak 11 pasien (81%), Mikrobakteri Tuberculosis/MTB terdeteksi +2 Medium MTB (Mikrobakteri Tuberculosis) sebanyak 8 pasien (14%), dan MTB (Mikrobakteri Tuberculosis) terdeteksi +3 High MTB (Mikrobakteri Tuberculosis) sebanyak 3 pasien (15%). Dari 22 data pasien suspek Tuberculosis yang diperiksa TCM *GeneXpert* di UPT Rumah Sakit Khusus Paru Medan Tahun 2023 didapatkan distribusi frekuensi hasil pemeriksaan Tes Cepat Molekuler (TCM) dengan MTB (Mikrobakteri Tuberculosis) Terdeteksi MTB (Mikrobakteri Tuberculosis) +2 Medium Dected (14%) dan MTB (Mikrobakteri Tuberculosis) +3 High Dected sebanyak (15%).

Kata Kunci : Tuberculosis, Tes Cepat Molekuler (TCM), *Mytobacterium tuberculosis*.



ABSTRACT

Tuberculosis (TB) is a disease caused by the bacteria Mycobacterium tuberculosis. Mycobacterium tuberculosis, the disease that causes tuberculosis, has a resting or dormant phase which causes the healing process to take a long time, thereby allowing for boredom or stopping drug consumption in TB sufferers. This research uses a cross-sectional method by taking data from the TCM GeneXpert laboratory examination results on patients with suspected pulmonary tuberculosis, in Patients examined by GeneXpert TCM showed negative MTB (Tuberculosis Microbacteria) results in 0 patients (0.0%), MTB (Tuberculosis Microbacteria) were detected +1 Low MTB (Tuberculosis Microbacteria) were 11 patients (81%), Tuberculosis Microbacteria/MTB were detected +2 Medium MTB (Microbacteria Tuberculosis) was detected in 8 patients (14%), and MTB (Microbacteria Tuberculosis) was detected +3 High MTB (Microbacteria Tuberculosis) was detected in 3 patients (15%). Specifically for Medan Lungs in 2023, the frequency distribution of the results of the Rapid Molecular Test (TCM) was obtained with MTB (Tuberculosis Microbacteria) detected MTB (Tuberculosis Microbacteria) +2 Medium Decteded (14%) and MTB (Tuberculosis Microbacteria) +3 Hight Decteded (15%).

Keywords: *Tuberculosis, Rapid Molecular Test (TCM), Mycobacterium tuberculosis.*

