BAB VI

PENUTUP

6.1 Kesimpulan

1. Proporsi temuan infeksi jamur *Aspergillus spp. y*ang dideteksi menggunakan kultur pada penderita dengan gejala klinis TB di RSUP Wahidin Sudirohusodo dan RSPTN Universitas Hasanuddin Makassar adalah sebanyak 8 (7,2%) dari total 110 sampel.

2. Proporsi temuan infeksi jamur *Aspergillus spp. y*ang dideteksi menggunakan PCR pada penderita dengan gejala klinis TB di RSUP Wahidin Sudirohusodo dan RSPTN Universitas Hasanuddin Makassar adalah sebanyak 25 (22,7%) dari total 110 sampel.

3. Terdapat perbedaan distribusi temuan infeksi jamur *Aspergillus spp. y*ang dideteksi menggunakan kultur dibandingkan dengan PCR pada penderita dengan gejala klinis TB di RSUP Wahidin Sudirohusodo dan RSPTN Universitas Hasanuddin Makassar dengan *p value 0,0000* (<0,05).

6.2 Saran

Risiko kontaminasi baik dari alat laboratorium maupun lingkungan rentan terjadi sehingga dapat mempengaruhi hasil tes dan menyebabkan hasil positif palsu pada metode PCR.

1. Saran untuk peneliti selanjutnya agar kontrol kualitas dan langkah-langkah pencegahan kontaminasi harus selalu diterapkan dalam pengujian laboratorium untuk memastikan keakuratan hasil.
2. PCR dapat digunakan sebagai skrining awal
3. Kultur digunakan untuk konfirmasi
4. Hasil tes dapat digunakan secara efektif untuk mendukung diagnosis yang akurat dan pengambilan keputusan klinis yang tepat.

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Lampiran 1 Jadwal Pelaksanaan Penelitian

No.	Rincian Kegiatan	Tahun dan Bulan Pelaksanaan											
		202			2023								
		7	8	9	10	11	12	1	2	3	4	5	6
1.	Seminar Proposal												
2.	Perbaikan												
3.	Pengurusan Rekomendasi Etik												
4.	Perizinan Penelitian di Balai Besar Kesehatan Paru Masyarakat Makassar dan RS Wahidin Sudirohusodo Makassar												
5.	Pengambilan Spesimen Sputum												
6.	Pemeriksaan di Laboratorium Mikrobiologi RS UNHAS												
7.	Input Data												
8.	Analisa Data												
9.	Penyusunan Hasil												
10.	Seminar Hasil												

Lampiran

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN
PROGRAM STUDI MIKROBIOLOGI KLINIK
Jl. Perintis Kemerdekaan Km.10 Tamalanrea Makassar 90245
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No : **17755/UN4.6.8/TP.02.02/2023** 27 Juli 2023
Hal : Permohonan Pembuatan Surat Rekomendasi Etik

Yth. **Ketua Komite Etik Fakultas Kedokteran Unhas**
Makassar

Dengan hormat,
Sehubungan dengan pengurusan surat rekomendasi etik, bersama dengan ini kami memohon untuk pembuatan surat rekomendasi etik untuk peserta PPDS Mikrobiologi Klinik :

Nama : dr. Sari Asriany
NIM : C195202002
Program Pendidikan : Sp1
Program Studi : Mikrobiologi Klinik

Demikian surat permohonan dibuat mohon kiranya untuk dibuatkan surat rekomendasi etik untuk persyaratan keperluan penelitian peserta PPDS Mikrobiologi Klinik. Atas kerjasamanya kami ucapkan terimakasih.

a.n. Ketua Program Studi Mikrobiologi Klinik
Sekretaris

dr. Firdaus Hamid, Ph.D., Sp.MK (K)
NIP. 19771231 200212 1 002

ran 2 Surat Izin a.Surat Permohonan Izin Etik dr.Sari Asriany,pdf Meneliti

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
Contact Person: dr. Agussalim Bukhari..MMed.PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK

Nomor : 764/UN4.6.4.5.31/ PP36/ 2023

Tanggal: 9 Oktober 2023

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH23090671	No Sponsor	
Peneliti Utama	**dr.Sari Asriany**	Sponsor	
Judul Peneliti	Temuan Aspergillus pada Sputum Penderita dengan Gejala Klinis TB di RSUP Wahidin Sudirohusodo dan RSPTN Universitas Hasanuddin Makassar dengan Metode PCR"		
No Versi Protokol	**1**	Tanggal Versi	**7 September 2023**
No Versi PSP		Tanggal Versi	
Tempat Penelitian	RS Universitas Hasanuddin dan RSUP Dr. Wahidin Sudirohusodo Makassar		
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard Tanggal	Masa Berlaku **9 Oktober 2023** sampai **9 Oktober 2024**	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama **Prof. dr. Muh Nasrum Massi,PhD,SpMK, Subsp. Bakt(K)**	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	Nama **dr. Firdaus Hamid, PhD, SpMK(K)**	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

Lampiran 2 Surat Izin Menelitii

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
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UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN
PROGRAM STUDI MIKROBIOLOGI KLINIK
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Tlp/Fax. (0411)586010 Email: spmkfkuh@unhas.ac.id

No : **17755/UN4.6.8/TP.02.02/2023** 27 Juli 2023

Hal : Permohonan Pembuatan Surat Rekomendasi Etik

Yth. **Ketua Komite Etik Fakultas Kedokteran Unhas**
Makassar

Dengan hormat,
Sehubungan dengan pengurusan surat rekomendasi etik, bersama dengan ini kami memohon untuk pembuatan surat rekomendasi etik untuk peserta PPDS Mikrobiologi Klinik :

Nama : dr. Sari Asriany
NIM : C195202002
Program Pendidikan : Sp1
Program Studi : Mikrobiologi Klinik

Demikian surat permohonan dibuat mohon kiranya untuk dibuatkan surat rekomendasi etik untuk persyaratan keperluan penelitian peserta PPDS Mikrobiologi Klinik. Atas kerjasamanya kami ucapkan terimakasih.

a.n. Ketua Program Studi Mikrobiologi Klinik
Sekretaris

dr. Firdaus Hamid, Ph.D., Sp.MK (K)
NIP. 19771231 200212 1 002

eneliti

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SURAT PERSETUJUAN

NOMOR : 17753/UN4.6.8/TP.02.02/2023

Yang bertanda tangan di bawah ini :

Nama : Prof. dr. Mochammad Hatta, Ph.D., Sp.MK (K)

NIP : 195704161985031001

Jabatan : Ketua Program Studi Spesialis Mikrobiologi Klinik, Fakultas Kedokteran Unhas

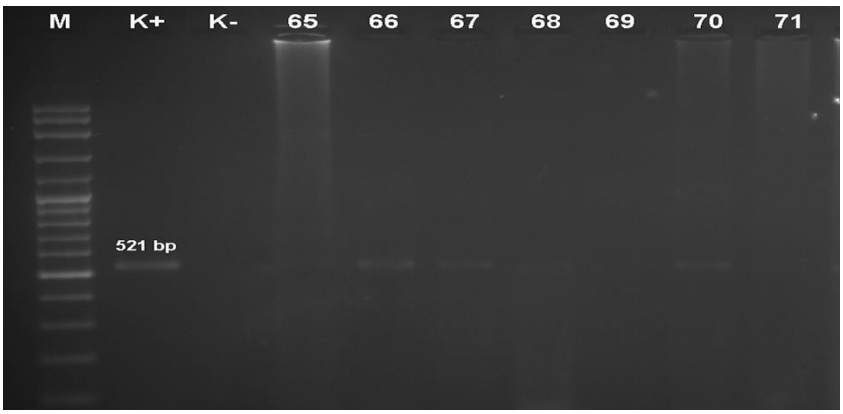
Menerangkan bahwa yang bersangkutan dibawah ini

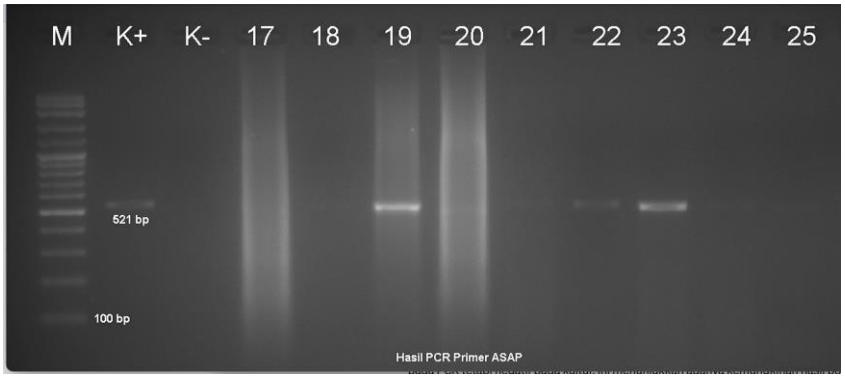
Nama	:	dr. Sari Asriany
Nomor Pokok	:	C195202002
Program Pendidikan	:	Sp1
Program Studi	:	Mikrobiologi Klinik
Judul Penelitian	:	Temuan Aspergillus pada sputum penderita dengan gejala klinis TB di RSUP Wahidin Sudirohusodo dan RSPTN Universitas Hasanuddin Makassar dengan Metode PCR.

Menyetujui kepada yang bersangkutan diatas untuk meminta Permohonan Persetujuan Etik Penelitian Menggunakan Subyek Manusia di Fakultas Kedokteran Universitas Hasanuddin.

Makassar, 27 Juli 2023
Ketua Program Studi Spesialis Mikrobiologi Klinik
Fakultas Kedokteran, Unhas

Prof. dr. Mochammad Hatta, Ph.D., Sp.MK (K)
NIP. 195704161985031001





Uji Sensitivitas Primer *Aspergillus* (Metode McFarland)