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# LAMPIRAN











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**REKOMENDASI PERSETUJUAN ETIK**

Nomor : 545/UN4.6.4.5.31/ PP36/ 2022

Tanggal: 27 September 2022

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

No Protokol	UH22080497	No Sponsor	
Peneliti Utama	<b>Dr.dr.Ressy Dwiyanti, M.Kes</b>	Sponsor	
Judul Peneliti	Analisis Kadar Protein Natural Resistance Associated Macrophage Protein-1 (NRAMP-1) Berdasarkan Tingkat Keparahan Dan Kematian Pada Penderita Covid-19		
No Versi Protokol	<b>1</b>	Tanggal Versi	<b>31 Agustus 2022</b>
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Laboratorium Immunologi dan Biomolekular Fakultas Kedokteran Universitas Hasanuddin Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku <b>27 September 2022</b> sampai <b>27 September 2023</b>	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Nama <b>Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)</b>	Tanda tangan 	
Sekretaris KEP Universitas Hasanuddin	Nama <b>dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)</b>	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 Laporan 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 protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

## SURAT KETERANGAN

Yang bertanda tangan dibawah ini:

Nama : dr. Eva Sri Diana, SpP

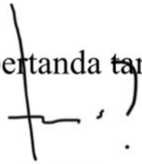
No Stambuk : C013172022

Pekerjaan : Mahasiswa Program Studi Doktor Ilmu  
Kedokteran, Fakultas Kedokteran  
Universitas Hasanuddin, Makassar

Memberi izin untuk penggunaan sampel penderita COVID-19 untuk kepentingan penelitian yang berhubungan dengan COVID-19 dan merupakan bank sampel pada Laboratorium Biologi Molekuler dan Imunologi , Fakultas Kedokteran, Universitas Hasanuddin, Makassar.

Demikian surat keterangan izin diberikan untuk digunakan seperlunya.

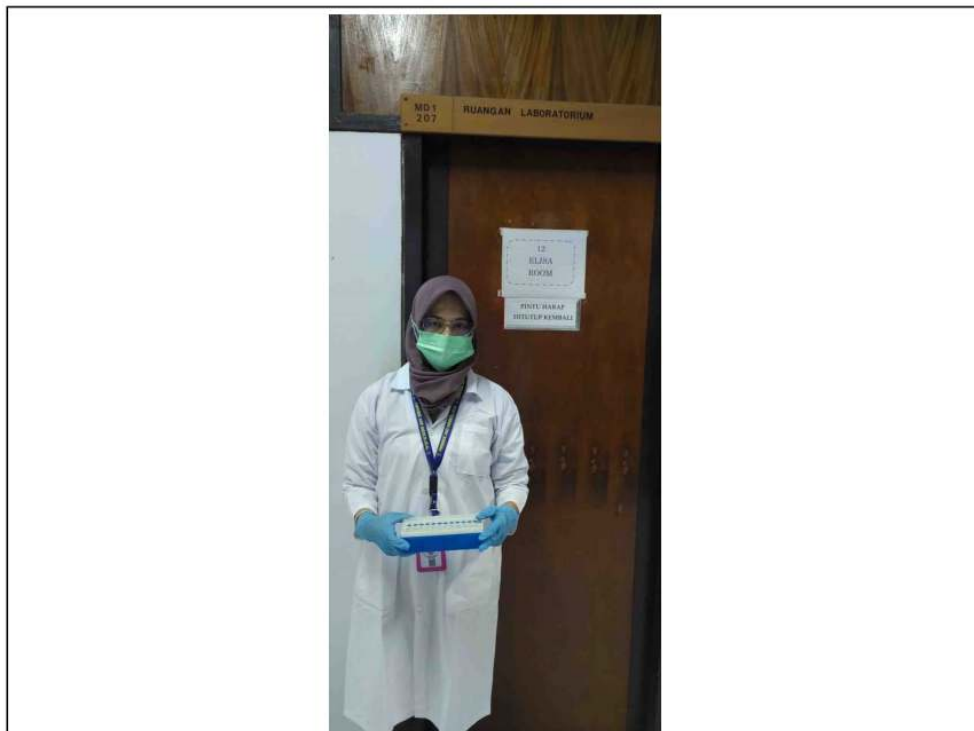
Yang bertanda tangan,



**dr. Eva Sri Diana, SpP**



1. Molecular Biology & Immunology Laboratory, Medical Faculty of Hasanuddin University, Makassar



2. Elisa room in laboratory



8. Aspirate and wash 3 times



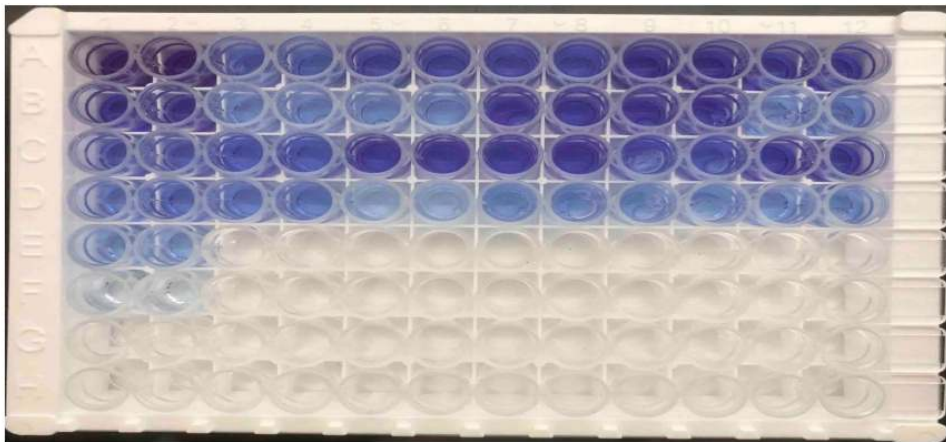
9. Add 100 $\mu$ L HRP Conjugate. Incubate for 30 min at 37 $^{\circ}$ C



10. Aspirate and wash 5 times



11. Add 90 $\mu$ L Substrate Reagent. Incubate for 15 min at 37°C



12. Plate after 15min substrate



13. Stop reaction, Blue color will be yellow



14. Plate after stop reaction



15. Read at 45nm Immediately and calculation of results