

## DAFTAR PUSTAKA

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Lampiran 1. HASIL ANALISA Human NOD2 ELISA Kit Cat. No: CSB-E17597h

PLATE 1 (Akut Rekuren Demam Tifoid)

No	No Sampel	Konsentrasi ng/mL
1	S01	3.484
2	S02	2.740
3	S03	2.127
4	S04	3.221
5	S05	2.828
6	S06	3.440
7	S07	2.303
8	S08	2.959
9	S09	4.009
10	S10	2.040
11	S11	2.346
12	S12	3.309
13	S13	2.915
14	S14	3.003
15	S15	2.084
16	S16	3.572
17	S17	3.659
18	S18	2.259
19	S19	3.528
20	S20	3.090
21	S21	2.784
22	S22	2.215
23	S23	3.397
24	S24	2.653
25	S25	2.171
26	S26	2.521
27	S27	3.703
28	S28	3.922
29	S29	3.615
30	S30	2.478

**PLATE 2 (Demam tifoid)**

No	No Sampel	Konsentrasi ng/MI
1	S31	5.191
2	S32	4.622
3	S33	4.797
4	S34	5.322
5	S35	4.228
6	S36	4.491
7	S37	5.891
8	S38	5.147
9	S39	5.497
10	S40	5.059
11	S41	4.918
12	S42	5.046
13	S43	4.322
14	S44	4.237
15	S45	5.216
16	S46	5.258
17	S47	4.110
18	S48	4.365
19	S49	3.982
20	S50	4.833
21	S51	4.067
22	S52	5.088
23	S53	5.386
24	S54	4.961
25	S55	4.025
26	S56	5.684
27	S57	3.940
28	S58	4.280
29	S59	5.131
30	S60	4.535

## PLATE 3 (Orang Sehat)

No	No Sampel	Konsentrasi ng/mL
1	S61	5.939
2	S62	7.343
3	S63	5.896
4	S64	7.556
5	S65	6.279
6	S66	6.960
7	S67	7.215
8	S68	6.237
9	S69	7.513
10	S70	6.917
11	S71	6.024
12	S72	6.705
13	S73	6.194
14	S74	6.322
15	S75	7.300
16	S76	7.641
17	S77	7.598
18	S78	7.428
19	S79	7.088
20	S80	6.832
21	S81	6.067
22	S82	7.726
23	S83	7.768
24	S84	7.811
25	S85	7.173
26	S86	6.577
27	S87	6.875
28	S88	6.747
29	S89	6.109
30	S90	7.385

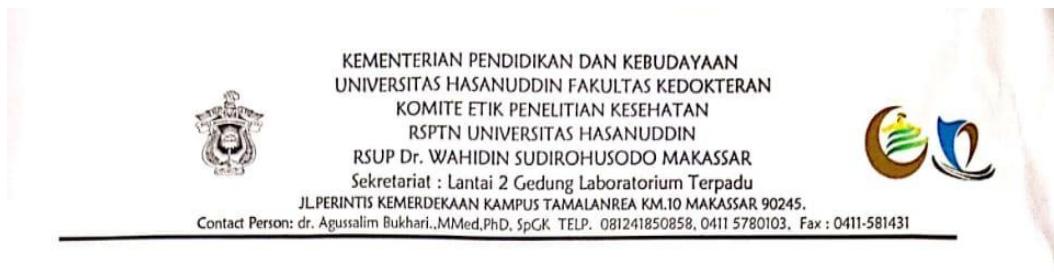
**Lampiran 2. Hasil titer widal****PLATE 1 (Akut Rekuren demam tifoid)**

No	Titer Widal
1	2
2	3
3	2
4	3
5	2
6	2
7	2
8	3
9	2
10	2
11	3
12	2
13	2
14	2
15	2
16	3
17	2
18	2
19	2
20	2
21	2
22	2
23	2
24	2
25	2
26	2
27	2
28	2
29	2
30	3

## PLATE 2 (Demam tifoid)

No	Titer Widal
1	2
2	2
3	2
4	2
5	2
6	3
7	2
8	2
9	2
10	3
11	3
12	2
13	2
14	2
15	2
16	2
17	2
18	2
19	2
20	2
21	2
22	2
23	2
24	2
25	2
26	2
27	2
28	3
29	2
30	2

### Lampiran 3. Kode Etik



#### **REKOMENDASI PERSETUJUAN ETIK**

Nomor : 835/UN4.6.4.5.31/ PP36/ 2020

Tanggal: 30 Desember 2020

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

No Protokol	UH20120723	No Sponsor Protokol	
Peneliti Utama	<b>Sri Wahyuni,S.Si</b>	Sponsor	
Judul Peneliti	Analisis Risiko Kejadian Akut Rekuren Demam Tifoid dan Hubungannya dengan Kadar Protein Nucleotide Binding Oligomerization Domain 2 (NOD2)		
No Versi Protokol	<b>1</b>	Tanggal Versi	28 Desember 2020
No Versi PSP		Tanggal Versi	
Tempat Penelitian	<b>Laboratorium Imunologi dan Biologi Molekuler Fakultas Kedokteran Universitas Hasanuddin Makassar</b>		
Jenis Review	<input checked="" type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku <b>30 Desember 2020 sampai 30 Desember 2021</b>	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FKUH	Nama <b>Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)</b>	Tanda tangan	
Sekretaris Komisi Etik Penelitian Kesehatan FKUH	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 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 protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

#### Lampiran 4. Dokumentasi Kegiatan

##### 1. Human NOD2 / CARD15 ELISA Kit Catalog No. LS-F68704



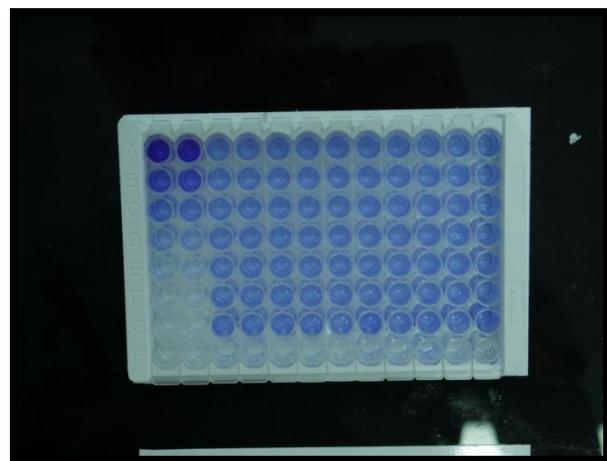
##### 2. ELISA KIT (Reagents and Material Provided)



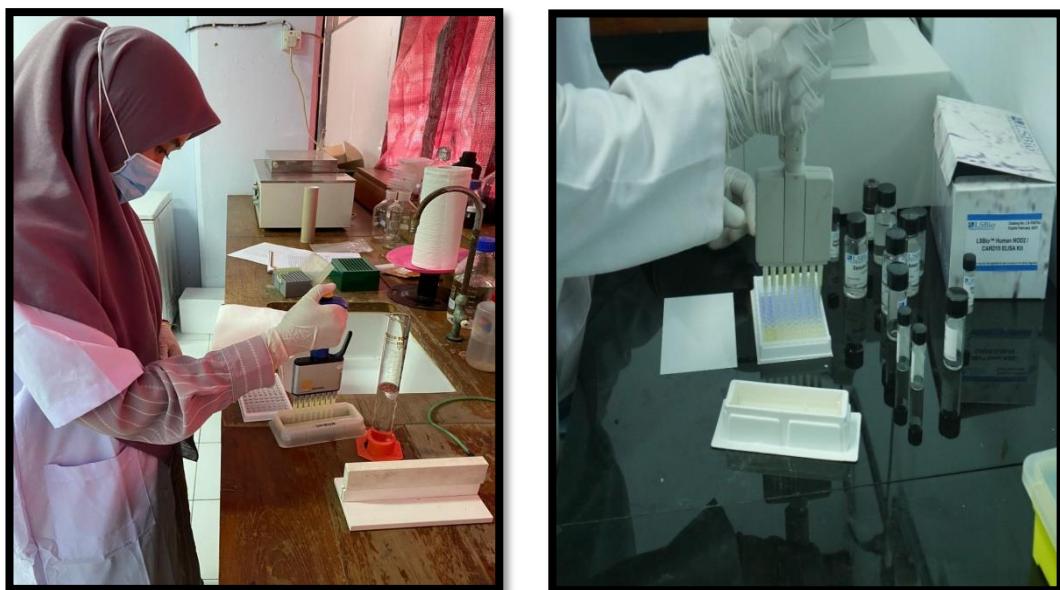
##### 3. Penggeraan ELISA



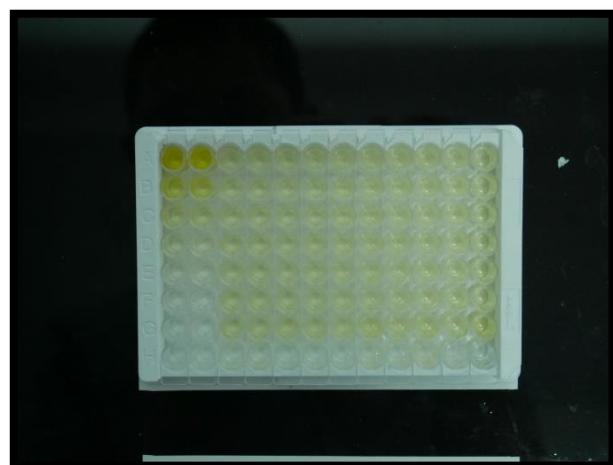
4. Plate setelah penambahan substrate



5. Stop Reaksi ELISA (Biru ke kuning)



6. Plate setelah Stop reaksi



7. Plate siap baca pada mesin ELISA



Lampiran 5. Analisa statistik menggunakan uji *student t-test* dan *pearson correlation*

1. Analisa statistik kadar protein NOD2 ARDT dan DT

**Group Statistics**

Group		N	Mean	Std. Deviation	Std. Error Mean
NOD2	ARDT	30	2.94583	.601569	.109831
	DT	30	4.78763	.545780	.099645

**Independent Samples Test**

	Levene's Test for Equality of Variances	t-test for Equality of Means					
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference
NOD2	Equal variances assumed	.400	.530	-12.420	58	.000	-1.841800
	Equal variances not assumed			-12.420	57.459	.000	-1.841800

### Independent Samples Test

t-test for Equality of Means

		Std. Error Difference	95% Confidence Interval of the Difference	
			Lower	Upper
NOD2	Equal variances assumed	.148297	-2.138649	-1.544951
	Equal variances not assumed	.148297	-2.138708	-1.544892

2. Analisa statistik kadar protein NOD2 ARDT dan OS/HP

### Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
NOD2	ARDT	30	2.94583	.601569	.109831
	HP	30	6.90750	.616911	.112632

### Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means					
		F	Sig.	t	df	Sig. (2- tailed)	Mean Difference
NOD2	Equal variances assumed	.023	.879	-25.183	58	.000	-3.961667
	Equal variances not assumed			-25.183	57.963	.000	-3.961667

### Independent Samples Test

	Std. Error Difference	t-test for Equality of Means		
		95% Confidence Interval of the Difference		
NOD2	.157318	-4.276572		-3.646761
	.157318	-4.276576		-3.646757

### 3. Analisa statistik kadar protein NOD2 DT dan OS/HP

#### Group Statistics

Group		N	Mean	Std. Deviation	Std. Error Mean
NOD2	DT	30	4.78763	.545780	.099645
	HP	30	6.90750	.616911	.112632

#### Independent Samples Test

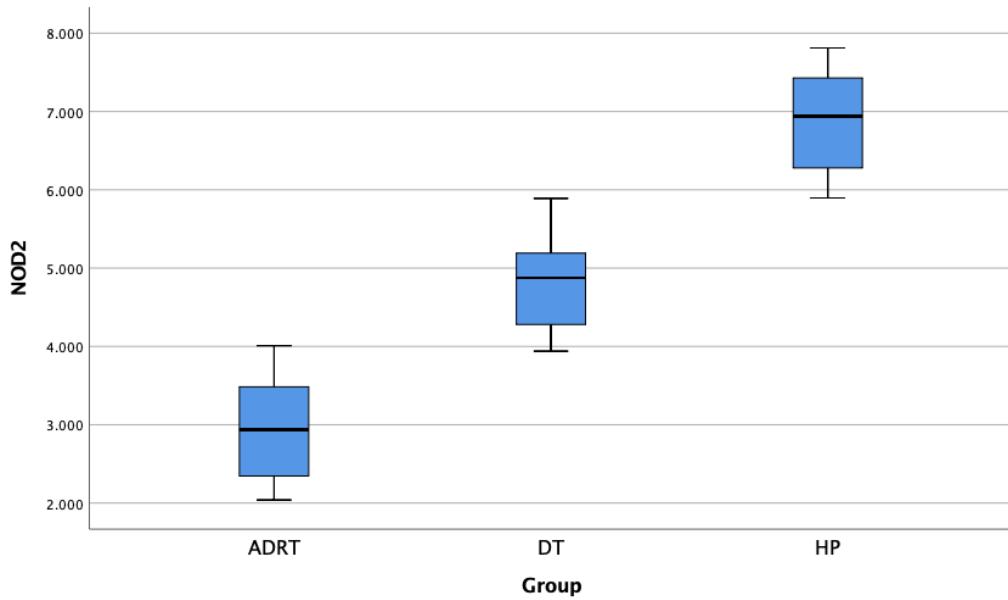
	Levene's Test for Equality of Variances	t-test for Equality of Means					
		F	Sig.	T	Df	Sig. (2- tailed)	Mean Difference
NOD2	Equal variances assumed	.612	.437	-14.096	58	.000	-2.119867
	Equal variances not assumed			-14.096	57.151	.000	-2.119867

### Independent Samples Test

t-test for Equality of Means

		Std. Error Difference	95% Confidence Interval of the Difference	
			Lower	Upper
NOD2	Equal variances assumed	.150383	-2.420892	-1.818842
	Equal variances not assumed	.150383	-2.420987	-1.818746

#### 4. Box plot kadar protein NOD2 ARDT, DT dan OS/HP



5. Uji Pearson Correlations antara titer widal dan protein NOD2

**Correlations**

		Titerwidal	NOD2
Titerwidal	Pearson Correlation	1	-.262*
	Sig. (2-tailed)		.013
	N	90	90
NOD2	Pearson Correlation	-.262*	1
	Sig. (2-tailed)		.013
	N	90	90

\*. Correlation is significant at the 0.05 level (2-tailed).

\*\*. Correlation is significant at the 0.01 level (2-tailed).