

Lampiran 1



UNIVERSITAS MUHAMMADIYAH SURABAYA  
**FAKULTAS ILMU KESEHATAN**

Program Studi : Keperawatan S1 dan D3 - Analis Kesehatan D3 - Kebidanan D3  
Jln. Sutorejo No. 59 Surabaya - 60113, Telp. (031) 3811966 - 3811967, 3890175 Fax. (031) 3811967

Nomor : 268/II.3.AU/F/FIK/2014  
Lampiran : -  
Perihal : Permohonan ijin Penelitian

Kepada Yth.  
Direktur RSUD Dr. Soetomo Surabaya  
Di Tempat

*Assalamu'alaikum Wr. Wb.*

Dalam rangka menyelesaikan tugas akhir berupa Karya Tulis Ilmiah (KTI), Mahasiswa Program Studi D3 Analis Kesehatan Fakultas Ilmu Kesehatan Universitas Muhammadiyah Surabaya tahun akademik 2013/2014 :

Nama : Dwi Rizki Mas'ula  
NIM : 20110662011  
Judul KTI : Pengaruh lama penyimpanan serum control terhadap stabilitas Quality Control pada pemeriksaan bilirubin direk

Bermaksud untuk melakukan Penelitian selama 20 hari di Instalasi patologi Klinik RSUD Dr. Soetomo Surabaya. Sehubungan dengan hal tersebut kami mohon dengan hormat agar Bapak/Ibu berkenan memberikan ijin Penelitian.

Demikian Permohonan ijin, atas perhatian dan kerjasama yang baik kami sampaikan terima kasih.

*Wassalamu'alaikum Wr. Wb.*

Surabaya, 2 April 2014  
Dekan,  
  
Nur Mukarramah, SKM, M Kes  
NIP / NIK : 0129721122

Tembusan :

1. Kepala Instalasi Patologi Klinik RSUD Dr. Soetomo Surabaya
2. Kepala Lab RSUD Dr. Soetomo Surabaya.



PEMERINTAH PROPINSI JAWA TIMUR  
RUMAH SAKIT UMUM DAERAH Dr. SOETOMO  
INSTALASI PATOLOGI KLINIK

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No	Perlakuan	Ulangan		Rata-rata
		1	2	
1	0 Hari	0,19 mg/dl	0,19 mg/dl	0,19 mg/dl
2	1 Hari	0,17 mg/dl	0,17 mg/dl	0,17 mg/dl
3	2 Hari	0,18 mg/dl	0,18 mg/dl	0,18 mg/dl
4	3 Hari	0,18 mg/dl	0,20 mg/dl	0,19 mg/dl
5	4 Hari	0,22 mg/dl	0,20 mg/dl	0,21 mg/dl
6	5 Hari	0,20 mg/dl	0,20 mg/dl	0,20 mg/dl
7	6 Hari	0,17 mg/dl	0,16 mg/dl	0,165 mg/dl
8	7 Hari	0,19 mg/dl	0,19 mg/dl	0,19 mg/dl
9	8 Hari	0,19 mg/dl	0,17 mg/dl	0,18 mg/dl
10	9 Hari	0,16 mg/dl	0,17 mg/dl	0,165 mg/dl
11	10 Hari	0,16 mg/dl	0,15 mg/dl	0,155 mg/dl
12	11 Hari	0,16 mg/dl	0,16 mg/dl	0,16 mg/dl
13	12 Hari	0,18 mg/dl	0,15 mg/dl	0,165 mg/dl
14	13 Hari	0,16 mg/dl	0,16 mg/dl	0,16 mg/dl
15	14 Hari	0,16 mg/dl	0,15 mg/dl	0,155 mg/dl
16	15 Hari	0,15 mg/dl	0,13 mg/dl	0,14 mg/dl
17	16 Hari	0,16 mg/dl	0,16 mg/dl	0,16 mg/dl
18	17 Hari	0,12 mg/dl	0,15 mg/dl	0,135 mg/dl
19	18 Hari	0,16 mg/dl	0,15mg/dl	0,155 mg/dl
20	19 Hari	0,15 mg/dl	0,16 mg/dl	0,155 mg/dl
21	20 Hari	0,13 mg/dl	0,14 mg/dl	0,135 mg/dl

Mengetahui,

Surabaya, 24 Juni 2014

Koordinator Kimia Klinik

Kepala Instalasi Patologi Klinik



Rita Suhertiyeni, S.Si

Dr. Hartono Kahar, dr. SpPK, MQIH

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Lampiran 3

**NPar Tests**

**One-Sample Kolmogorov-Smirnov Test**

		lamapenyimpanan	kadarbilirubindirek
N		42	42
Normal Parameters <sup>a</sup>	Mean	10.00	.1674
	Std. Deviation	6.129	.02142
Most Extreme Differences	Absolute	.078	.182
	Positive	.078	.182
	Negative	-.078	-.113
Kolmogorov-Smirnov Z		.508	1.182
Asymp. Sig. (2-tailed)		.958	.122

a. Test distribution is Normal.

**Descriptives**

kadarbilirubindirek

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0 hari	2	.1900	.00000	.00000	.1900	.1900	.19	.19
1 hari	2	.1700	.00000	.00000	.1700	.1700	.17	.17
2 hari	2	.1800	.00000	.00000	.1800	.1800	.18	.18
3 hari	2	.1900	.01414	.01000	.0629	.3171	.18	.20
4 hari	2	.2100	.01414	.01000	.0829	.3371	.20	.22
5 hari	2	.2000	.00000	.00000	.2000	.2000	.20	.20
6 hari	2	.1650	.00707	.00500	.1015	.2285	.16	.17
7 hari	2	.1900	.00000	.00000	.1900	.1900	.19	.19
8 hari	2	.1800	.01414	.01000	.0529	.3071	.17	.19
9 hari	2	.1650	.00707	.00500	.1015	.2285	.16	.17

Lampiran 4

9 hari	2	.1650	.00707	.00500	.1015	.2285	.16	.17
10 hari	2	.1550	.00707	.00500	.0915	.2185	.15	.16
11 hari	2	.1600	.00000	.00000	.1600	.1600	.16	.16
12 hari	2	.1650	.02121	.01500	-.0256	.3556	.15	.18
13 hari	2	.1600	.00000	.00000	.1600	.1600	.16	.16
14 hari	2	.1550	.00707	.00500	.0915	.2185	.15	.16
15 hari	2	.1400	.01414	.01000	.0129	.2671	.13	.15
16 hari	2	.1600	.00000	.00000	.1600	.1600	.16	.16
17 hari	2	.1350	.02121	.01500	-.0556	.3256	.12	.15
18 hari	2	.1550	.00707	.00500	.0915	.2185	.15	.16
19 hari	2	.1550	.00707	.00500	.0915	.2185	.15	.16
20 hari	2	.1350	.00707	.00500	.0715	.1985	.13	.14
Total	42	.1674	.02142	.00331	.1607	.1741	.12	.22

Lampiran 5

**Oneway**

**Test of Homogeneity of Variances**

kadarbilirubindirek

Levene Statistic	df1	df2	Sig.
1.271	20	21	.298

**ANOVA**

kadarbilirubindirek

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.017	20	.001	8.585	.000
Within Groups	.002	21	.000		
Total	.019	41			

Lampiran 6

**Post Hoc Tests**

**Multiple Comparisons**

kadarbilirubindirek

Tukey HSD

(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0 hari	1 hari	.02000	.00988	.873	-.0200	.0600
	2 hari	.01000	.00988	1.000	-.0300	.0500
	3 hari	.00000	.00988	1.000	-.0400	.0400
	4 hari	-.02000	.00988	.873	-.0600	.0200
	5 hari	-.01000	.00988	1.000	-.0500	.0300
	6 hari	.02500	.00988	.596	-.0150	.0650
	7 hari	.00000	.00988	1.000	-.0400	.0400
	8 hari	.01000	.00988	1.000	-.0300	.0500
	9 hari	.02500	.00988	.596	-.0150	.0650
	10 hari	.03500	.00988	.133	-.0050	.0750
	11 hari	.03000	.00988	.311	-.0100	.0700
	12 hari	.02500	.00988	.596	-.0150	.0650
	13 hari	.03000	.00988	.311	-.0100	.0700
	14 hari	.03500	.00988	.133	-.0050	.0750
	15 hari	.05000	.00988	.006	.0100	.0900

Lampiran 7

	16 hari	.03000	.00988	.311	-.0100	.0700
	17 hari	.05500	.00988	.002	.0150	.0950
	18 hari	.03500	.00988	.133	-.0050	.0750
	19 hari	.03500	.00988	.133	-.0050	.0750
	20 hari	.05500	.00988	.002	.0150	.0950
1 hari	0 hari	-.02000	.00988	.873	-.0600	.0200
	2 hari	-.01000	.00988	1.000	-.0500	.0300
	3 hari	-.02000	.00988	.873	-.0600	.0200
	4 hari	-.04000	.00988	.050	-.0800	.0000
	5 hari	-.03000	.00988	.311	-.0700	.0100
	6 hari	.00500	.00988	1.000	-.0350	.0450
	7 hari	-.02000	.00988	.873	-.0600	.0200
	8 hari	-.01000	.00988	1.000	-.0500	.0300
	9 hari	.00500	.00988	1.000	-.0350	.0450
	10 hari	.01500	.00988	.989	-.0250	.0550
	11 hari	.01000	.00988	1.000	-.0300	.0500
	12 hari	.00500	.00988	1.000	-.0350	.0450
	13 hari	.01000	.00988	1.000	-.0300	.0500
	14 hari	.01500	.00988	.989	-.0250	.0550
	15 hari	.03000	.00988	.311	-.0100	.0700
	16 hari	.01000	.00988	1.000	-.0300	.0500
	17 hari	.03500	.00988	.133	-.0050	.0750
	18 hari	.01500	.00988	.989	-.0250	.0550
	19 hari	.01500	.00988	.989	-.0250	.0550
20 hari	.03500	.00988	.133	-.0050	.0750	
2 hari	0 hari	-.01000	.00988	1.000	-.0500	.0300
	1 hari	.01000	.00988	1.000	-.0300	.0500
	3 hari	-.01000	.00988	1.000	-.0500	.0300
	4 hari	-.03000	.00988	.311	-.0700	.0100
	5 hari	-.02000	.00988	.873	-.0600	.0200
	6 hari	.01500	.00988	.989	-.0250	.0550
	7 hari	-.01000	.00988	1.000	-.0500	.0300
	8 hari	.00000	.00988	1.000	-.0400	.0400

Lampiran 8

	9 hari	.01500	.00988	.989	-.0250	.0550
	10 hari	.02500	.00988	.596	-.0150	.0650
	11 hari	.02000	.00988	.873	-.0200	.0600
	12 hari	.01500	.00988	.989	-.0250	.0550
	13 hari	.02000	.00988	.873	-.0200	.0600
	14 hari	.02500	.00988	.596	-.0150	.0650
	15 hari	.04000	.00988	.050	.0000	.0800
	16 hari	.02000	.00988	.873	-.0200	.0600
	17 hari	.04500 <sup>*</sup>	.00988	.018	.0050	.0850
	18 hari	.02500	.00988	.596	-.0150	.0650
	19 hari	.02500	.00988	.596	-.0150	.0650
	20 hari	.04500 <sup>*</sup>	.00988	.018	.0050	.0850
3 hari	0 hari	.00000	.00988	1.000	-.0400	.0400
	1 hari	.02000	.00988	.873	-.0200	.0600
	2 hari	.01000	.00988	1.000	-.0300	.0500
	4 hari	-.02000	.00988	.873	-.0600	.0200
	5 hari	-.01000	.00988	1.000	-.0500	.0300
	6 hari	.02500	.00988	.596	-.0150	.0650
	7 hari	.00000	.00988	1.000	-.0400	.0400
	8 hari	.01000	.00988	1.000	-.0300	.0500
	9 hari	.02500	.00988	.596	-.0150	.0650
	10 hari	.03500	.00988	.133	-.0050	.0750
	11 hari	.03000	.00988	.311	-.0100	.0700
	12 hari	.02500	.00988	.596	-.0150	.0650
	13 hari	.03000	.00988	.311	-.0100	.0700
	14 hari	.03500	.00988	.133	-.0050	.0750
	15 hari	.05000 <sup>*</sup>	.00988	.006	.0100	.0900
	16 hari	.03000	.00988	.311	-.0100	.0700
	17 hari	.05500 <sup>*</sup>	.00988	.002	.0150	.0950
	18 hari	.03500	.00988	.133	-.0050	.0750
	19 hari	.03500	.00988	.133	-.0050	.0750
	20 hari	.05500 <sup>*</sup>	.00988	.002	.0150	.0950
4 hari	0 hari	.02000	.00988	.873	-.0200	.0600



Lampiran 9

	1 hari	.04000	.00988	.050	.0000	.0800
	2 hari	.03000	.00988	.311	-.0100	.0700
	3 hari	.02000	.00988	.873	-.0200	.0600
	5 hari	.01000	.00988	1.000	-.0300	.0500
	6 hari	.04500	.00988	.018	.0050	.0850
	7 hari	.02000	.00988	.873	-.0200	.0600
	8 hari	.03000	.00988	.311	-.0100	.0700
	9 hari	.04500	.00988	.018	.0050	.0850
	10 hari	.05500	.00988	.002	.0150	.0950
	11 hari	.05000	.00988	.006	.0100	.0900
	12 hari	.04500	.00988	.018	.0050	.0850
	13 hari	.05000	.00988	.006	.0100	.0900
	14 hari	.05500	.00988	.002	.0150	.0950
	15 hari	.07000	.00988	.000	.0300	.1100
	16 hari	.05000	.00988	.006	.0100	.0900
	17 hari	.07500	.00988	.000	.0350	.1150
	18 hari	.05500	.00988	.002	.0150	.0950
	19 hari	.05500	.00988	.002	.0150	.0950
	20 hari	.07500	.00988	.000	.0350	.1150
5 hari	0 hari	.01000	.00988	1.000	-.0300	.0500
	1 hari	.03000	.00988	.311	-.0100	.0700
	2 hari	.02000	.00988	.873	-.0200	.0600
	3 hari	.01000	.00988	1.000	-.0300	.0500
	4 hari	-.01000	.00988	1.000	-.0500	.0300
	6 hari	.03500	.00988	.133	-.0050	.0750
	7 hari	.01000	.00988	1.000	-.0300	.0500
	8 hari	.02000	.00988	.873	-.0200	.0600
	9 hari	.03500	.00988	.133	-.0050	.0750
	10 hari	.04500	.00988	.018	.0050	.0850
	11 hari	.04000	.00988	.050	.0000	.0800
	12 hari	.03500	.00988	.133	-.0050	.0750
	13 hari	.04000	.00988	.050	.0000	.0800
	14 hari	.04500	.00988	.018	.0050	.0850

Lampiran 10

	15 hari	.06000	.00988	.001	.0200	.1000
	16 hari	.04000	.00988	.050	.0000	.0800
	17 hari	.06500	.00988	.000	.0250	.1050
	18 hari	.04500	.00988	.018	-.0050	.0850
	19 hari	.04500	.00988	.018	.0050	.0850
	20 hari	.06500	.00988	.000	.0250	.1050
6 hari	0 hari	-.02500	.00988	.596	-.0650	.0150
	1 hari	-.00500	.00988	1.000	-.0450	.0350
	2 hari	-.01500	.00988	.989	-.0550	.0250
	3 hari	-.02500	.00988	.596	-.0650	.0150
	4 hari	-.04500	.00988	.018	-.0850	-.0050
	5 hari	-.03500	.00988	.133	-.0750	.0050
	7 hari	-.02500	.00988	.596	-.0650	.0150
	8 hari	-.01500	.00988	.989	-.0550	.0250
	9 hari	.00000	.00988	1.000	-.0400	.0400
	10 hari	.01000	.00988	1.000	-.0300	.0500
	11 hari	.00500	.00988	1.000	-.0350	.0450
	12 hari	.00000	.00988	1.000	-.0400	.0400
	13 hari	.00500	.00988	1.000	-.0350	.0450
	14 hari	.01000	.00988	1.000	-.0300	.0500
	15 hari	.02500	.00988	.596	-.0150	.0650
	16 hari	.00500	.00988	1.000	-.0350	.0450
	17 hari	.03000	.00988	.311	-.0100	.0700
	18 hari	.01000	.00988	1.000	-.0300	.0500
	19 hari	.01000	.00988	1.000	-.0300	.0500
	20 hari	.03000	.00988	.311	-.0100	.0700
7 hari	0 hari	.00000	.00988	1.000	-.0400	.0400
	1 hari	.02000	.00988	.873	-.0200	.0600
	2 hari	.01000	.00988	1.000	-.0300	.0500
	3 hari	.00000	.00988	1.000	-.0400	.0400
	4 hari	-.02000	.00988	.873	-.0600	.0200
	5 hari	-.01000	.00988	1.000	-.0500	.0300
	6 hari	.02500	.00988	.596	-.0150	.0650

Lampiran 11

	8 hari	.01000	.00988	1.000	-.0300	.0500
	9 hari	.02500	.00988	.596	-.0150	.0650
	10 hari	.03500	.00988	.133	-.0050	.0750
	11 hari	.03000	.00988	.311	-.0100	.0700
	12 hari	.02500	.00988	.596	-.0150	.0650
	13 hari	.03000	.00988	.311	-.0100	.0700
	14 hari	.03500	.00988	.133	-.0050	.0750
	15 hari	.05000	.00988	.006	.0100	.0900
	16 hari	.03000	.00988	.311	-.0100	.0700
	17 hari	.05500	.00988	.002	.0150	.0950
	18 hari	.03500	.00988	.133	-.0050	.0750
	19 hari	.03500	.00988	.133	-.0050	.0750
	20 hari	.05500	.00988	.002	.0150	.0950
8 hari	0 hari	-.01000	.00988	1.000	-.0500	.0300
	1 hari	.01000	.00988	1.000	-.0300	.0500
	2 hari	.00000	.00988	1.000	-.0400	.0400
	3 hari	-.01000	.00988	1.000	-.0500	.0300
	4 hari	-.03000	.00988	.311	-.0700	.0100
	5 hari	-.02000	.00988	.873	-.0600	.0200
	6 hari	.01500	.00988	.989	-.0250	.0550
	7 hari	-.01000	.00988	1.000	-.0500	.0300
	9 hari	.01500	.00988	.989	-.0250	.0550
	10 hari	.02500	.00988	.596	-.0150	.0650
	11 hari	.02000	.00988	.873	-.0200	.0600
	12 hari	.01500	.00988	.989	-.0250	.0550
	13 hari	.02000	.00988	.873	-.0200	.0600
	14 hari	.02500	.00988	.596	-.0150	.0650
	15 hari	.04000	.00988	.050	.0000	.0800
	16 hari	.02000	.00988	.873	-.0200	.0600
	17 hari	.04500	.00988	.018	.0050	.0850
	18 hari	.02500	.00988	.596	-.0150	.0650
	19 hari	.02500	.00988	.596	-.0150	.0650
	20 hari	.04500	.00988	.018	.0050	.0850

Lampiran 12

9 hari	0 hari	-.02500	.00988	.596	-.0650	.0150
	1 hari	-.00500	.00988	1.000	-.0450	.0350
	2 hari	-.01500	.00988	.989	-.0550	.0250
	3 hari	-.02500	.00988	.596	-.0650	.0150
	4 hari	-.04500*	.00988	.018	-.0850	-.0050
	5 hari	-.03500	.00988	.133	-.0750	.0050
	6 hari	.00000	.00988	1.000	-.0400	.0400
	7 hari	-.02500	.00988	.596	-.0650	.0150
	8 hari	-.01500	.00988	.989	-.0550	.0250
	10 hari	.01000	.00988	1.000	-.0300	.0500
	11 hari	.00500	.00988	1.000	-.0350	.0450
	12 hari	.00000	.00988	1.000	-.0400	.0400
	13 hari	.00500	.00988	1.000	-.0350	.0450
	14 hari	.01000	.00988	1.000	-.0300	.0500
	15 hari	.02500	.00988	.596	-.0150	.0650
	16 hari	.00500	.00988	1.000	-.0350	.0450
	17 hari	.03000	.00988	.311	-.0100	.0700
	18 hari	.01000	.00988	1.000	-.0300	.0500
	19 hari	.01000	.00988	1.000	-.0300	.0500
	20 hari	.03000	.00988	.311	-.0100	.0700
10 hari	0 hari	-.03500	.00988	.133	-.0750	.0050
	1 hari	-.01500	.00988	.989	-.0550	.0250
	2 hari	-.02500	.00988	.596	-.0650	.0150
	3 hari	-.03500	.00988	.133	-.0750	.0050
	4 hari	-.05500*	.00988	.002	-.0950	-.0150
	5 hari	-.04500*	.00988	.018	-.0850	-.0050
	6 hari	-.01000	.00988	1.000	-.0500	.0300
	7 hari	-.03500	.00988	.133	-.0750	.0050
	8 hari	-.02500	.00988	.596	-.0650	.0150
	9 hari	-.01000	.00988	1.000	-.0500	.0300
	11 hari	-.00500	.00988	1.000	-.0450	.0350
	12 hari	-.01000	.00988	1.000	-.0500	.0300
	13 hari	-.00500	.00988	1.000	-.0450	.0350

Lampiran 13

	14 hari	.00000	.00988	1.000	-.0400	.0400
	15 hari	.01500	.00988	.989	-.0250	.0550
	16 hari	-.00500	.00988	1.000	-.0450	.0350
	17 hari	.02000	.00988	.873	-.0200	.0600
	18 hari	.00000	.00988	1.000	-.0400	.0400
	19 hari	.00000	.00988	1.000	-.0400	.0400
	20 hari	.02000	.00988	.873	-.0200	.0600
11 hari	0 hari	-.03000	.00988	.311	-.0700	.0100
	1 hari	-.01000	.00988	1.000	-.0500	.0300
	2 hari	-.02000	.00988	.873	-.0600	.0200
	3 hari	-.03000	.00988	.311	-.0700	.0100
	4 hari	-.05000	.00988	.006	-.0900	-.0100
	5 hari	-.04000	.00988	.050	-.0800	.0000
	6 hari	-.00500	.00988	1.000	-.0450	.0350
	7 hari	-.03000	.00988	.311	-.0700	.0100
	8 hari	-.02000	.00988	.873	-.0600	.0200
	9 hari	-.00500	.00988	1.000	-.0450	.0350
	10 hari	.00500	.00988	1.000	-.0350	.0450
	12 hari	-.00500	.00988	1.000	-.0450	.0350
	13 hari	.00000	.00988	1.000	-.0400	.0400
	14 hari	.00500	.00988	1.000	-.0350	.0450
	15 hari	.02000	.00988	.873	-.0200	.0600
	16 hari	.00000	.00988	1.000	-.0400	.0400
	17 hari	.02500	.00988	.596	-.0150	.0650
	18 hari	.00500	.00988	1.000	-.0350	.0450
	19 hari	.00500	.00988	1.000	-.0350	.0450
	20 hari	.02500	.00988	.596	-.0150	.0650
12 hari	0 hari	-.02500	.00988	.596	-.0650	.0150
	1 hari	-.00500	.00988	1.000	-.0450	.0350
	2 hari	-.01500	.00988	.989	-.0550	.0250
	3 hari	-.02500	.00988	.596	-.0650	.0150
	4 hari	-.04500	.00988	.018	-.0850	-.0050
	5 hari	-.03500	.00988	.133	-.0750	.0050

Lampiran 14

	6 hari	.00000	.00988	1.000	-.0400	.0400
	7 hari	-.02500	.00988	.596	-.0650	.0150
	8 hari	-.01500	.00988	.989	-.0550	.0250
	9 hari	.00000	.00988	1.000	-.0400	.0400
	10 hari	.01000	.00988	1.000	-.0300	.0500
	11 hari	.00500	.00988	1.000	-.0350	.0450
	13 hari	.00500	.00988	1.000	-.0350	.0450
	14 hari	.01000	.00988	1.000	-.0300	.0500
	15 hari	.02500	.00988	.596	-.0150	.0650
	16 hari	.00500	.00988	1.000	-.0350	.0450
	17 hari	.03000	.00988	.311	-.0100	.0700
	18 hari	.01000	.00988	1.000	-.0300	.0500
	19 hari	.01000	.00988	1.000	-.0300	.0500
	20 hari	.03000	.00988	.311	-.0100	.0700
13 hari	0 hari	-.03000	.00988	.311	-.0700	.0100
	1 hari	-.01000	.00988	1.000	-.0500	.0300
	2 hari	-.02000	.00988	.873	-.0600	.0200
	3 hari	-.03000	.00988	.311	-.0700	.0100
	4 hari	-.05000	.00988	.006	-.0900	-.0100
	5 hari	-.04000	.00988	.050	-.0800	.0000
	6 hari	-.00500	.00988	1.000	-.0450	.0350
	7 hari	-.03000	.00988	.311	-.0700	.0100
	8 hari	-.02000	.00988	.873	-.0600	.0200
	9 hari	-.00500	.00988	1.000	-.0450	.0350
	10 hari	.00500	.00988	1.000	-.0350	.0450
	11 hari	.00000	.00988	1.000	-.0400	.0400
	12 hari	-.00500	.00988	1.000	-.0450	.0350
	14 hari	.00500	.00988	1.000	-.0350	.0450
	15 hari	.02000	.00988	.873	-.0200	.0600
	16 hari	.00000	.00988	1.000	-.0400	.0400
	17 hari	.02500	.00988	.596	-.0150	.0650
	18 hari	.00500	.00988	1.000	-.0350	.0450
	19 hari	.00500	.00988	1.000	-.0350	.0450

Lampiran 15

	20 hari	.02500	.00988	.596	-.0150	.0650
14 hari	0 hari	-.03500	.00988	.133	-.0750	.0050
	1 hari	-.01500	.00988	.989	-.0550	.0250
	2 hari	-.02500	.00988	.596	-.0650	.0150
	3 hari	-.03500	.00988	.133	-.0750	.0050
	4 hari	-.05500	.00988	.002	-.0950	-.0150
	5 hari	-.04500	.00988	.018	-.0850	-.0050
	6 hari	-.01000	.00988	1.000	-.0500	.0300
	7 hari	-.03500	.00988	.133	-.0750	.0050
	8 hari	-.02500	.00988	.596	-.0650	.0150
	9 hari	-.01000	.00988	1.000	-.0500	.0300
	10 hari	.00000	.00988	1.000	-.0400	.0400
	11 hari	-.00500	.00988	1.000	-.0450	.0350
	12 hari	-.01000	.00988	1.000	-.0500	.0300
	13 hari	-.00500	.00988	1.000	-.0450	.0350
	15 hari	.01500	.00988	.989	-.0250	.0550
	16 hari	-.00500	.00988	1.000	-.0450	.0350
	17 hari	.02000	.00988	.873	-.0200	.0600
	18 hari	.00000	.00988	1.000	-.0400	.0400
	19 hari	.00000	.00988	1.000	-.0400	.0400
	20 hari	.02000	.00988	.873	-.0200	.0600
15 hari	0 hari	-.05000	.00988	.006	-.0900	-.0100
	1 hari	-.03000	.00988	.311	-.0700	.0100
	2 hari	-.04000	.00988	.050	-.0800	.0000
	3 hari	-.05000	.00988	.006	-.0900	-.0100
	4 hari	-.07000	.00988	.000	-.1100	-.0300
	5 hari	-.06000	.00988	.001	-.1000	-.0200
	6 hari	-.02500	.00988	.596	-.0650	.0150
	7 hari	-.05000	.00988	.006	-.0900	-.0100
	8 hari	-.04000	.00988	.050	-.0800	.0000
	9 hari	-.02500	.00988	.596	-.0650	.0150
	10 hari	-.01500	.00988	.989	-.0550	.0250
	11 hari	-.02000	.00988	.873	-.0600	.0200

Lampiran 16

	12 hari	-.02500	.00988	.596	-.0650	.0150
	13 hari	-.02000	.00988	.873	-.0600	.0200
	14 hari	-.01500	.00988	.989	-.0550	.0250
	16 hari	-.02000	.00988	.873	-.0600	.0200
	17 hari	.00500	.00988	1.000	-.0350	.0450
	18 hari	-.01500	.00988	.989	-.0550	.0250
	19 hari	-.01500	.00988	.989	-.0550	.0250
	20 hari	.00500	.00988	1.000	-.0350	.0450
16 hari	0 hari	-.03000	.00988	.311	-.0700	.0100
	1 hari	-.01000	.00988	1.000	-.0500	.0300
	2 hari	-.02000	.00988	.873	-.0600	.0200
	3 hari	-.03000	.00988	.311	-.0700	.0100
	4 hari	-.05000	.00988	.006	-.0900	-.0100
	5 hari	-.04000	.00988	.050	-.0800	.0000
	6 hari	-.00500	.00988	1.000	-.0450	.0350
	7 hari	-.03000	.00988	.311	-.0700	.0100
	8 hari	-.02000	.00988	.873	-.0600	.0200
	9 hari	-.00500	.00988	1.000	-.0450	.0350
	10 hari	.00500	.00988	1.000	-.0350	.0450
	11 hari	.00000	.00988	1.000	-.0400	.0400
	12 hari	-.00500	.00988	1.000	-.0450	.0350
	13 hari	.00000	.00988	1.000	-.0400	.0400
	14 hari	.00500	.00988	1.000	-.0350	.0450
	15 hari	.02000	.00988	.873	-.0200	.0600
	17 hari	.02500	.00988	.596	-.0150	.0650
	18 hari	.00500	.00988	1.000	-.0350	.0450
	19 hari	.00500	.00988	1.000	-.0350	.0450
	20 hari	.02500	.00988	.596	-.0150	.0650
17 hari	0 hari	-.05500	.00988	.002	-.0950	-.0150
	1 hari	-.03500	.00988	.133	-.0750	.0050
	2 hari	-.04500	.00988	.018	-.0850	-.0050
	3 hari	-.05500	.00988	.002	-.0950	-.0150
	4 hari	-.07500	.00988	.000	-.1150	-.0350



Lampiran 17

	5 hari	-.06500*	.00988	.000	-.1050	-.0250
	6 hari	-.03000	.00988	.311	-.0700	.0100
	7 hari	-.05500*	.00988	.002	-.0950	-.0150
	8 hari	-.04500*	.00988	.018	-.0850	-.0050
	9 hari	-.03000	.00988	.311	-.0700	.0100
	10 hari	-.02000	.00988	.873	-.0600	.0200
	11 hari	-.02500	.00988	.596	-.0650	.0150
	12 hari	-.03000	.00988	.311	-.0700	.0100
	13 hari	-.02500	.00988	.596	-.0650	.0150
	14 hari	-.02000	.00988	.873	-.0600	.0200
	15 hari	-.00500	.00988	1.000	-.0450	.0350
	16 hari	-.02500	.00988	.596	-.0650	.0150
	18 hari	-.02000	.00988	.873	-.0600	.0200
	19 hari	-.02000	.00988	.873	-.0600	.0200
	20 hari	.00000	.00988	1.000	-.0400	.0400
18 hari	0 hari	-.03500	.00988	.133	-.0750	.0050
	1 hari	-.01500	.00988	.989	-.0550	.0250
	2 hari	-.02500	.00988	.596	-.0650	.0150
	3 hari	-.03500	.00988	.133	-.0750	.0050
	4 hari	-.05500*	.00988	.002	-.0950	-.0150
	5 hari	-.04500*	.00988	.018	-.0850	-.0050
	6 hari	-.01000	.00988	1.000	-.0500	.0300
	7 hari	-.03500	.00988	.133	-.0750	.0050
	8 hari	-.02500	.00988	.596	-.0650	.0150
	9 hari	-.01000	.00988	1.000	-.0500	.0300
	10 hari	.00000	.00988	1.000	-.0400	.0400
	11 hari	-.00500	.00988	1.000	-.0450	.0350
	12 hari	-.01000	.00988	1.000	-.0500	.0300
	13 hari	-.00500	.00988	1.000	-.0450	.0350
	14 hari	.00000	.00988	1.000	-.0400	.0400
	15 hari	.01500	.00988	.989	-.0250	.0550
	16 hari	-.00500	.00988	1.000	-.0450	.0350
	17 hari	.02000	.00988	.873	-.0200	.0600

Lampiran 18

	19 hari	.00000	.00988	1.000	-.0400	.0400
	20 hari	.02000	.00988	.873	-.0200	.0600
19 hari	0 hari	-.03500	.00988	.133	-.0750	.0050
	1 hari	-.01500	.00988	.989	-.0550	.0250
	2 hari	-.02500	.00988	.596	-.0650	.0150
	3 hari	-.03500	.00988	.133	-.0750	.0050
	4 hari	-.05500*	.00988	.002	-.0950	-.0150
	5 hari	-.04500*	.00988	.018	-.0850	-.0050
	6 hari	-.01000	.00988	1.000	-.0500	.0300
	7 hari	-.03500	.00988	.133	-.0750	.0050
	8 hari	-.02500	.00988	.596	-.0650	.0150
	9 hari	-.01000	.00988	1.000	-.0500	.0300
	10 hari	.00000	.00988	1.000	-.0400	.0400
	11 hari	-.00500	.00988	1.000	-.0450	.0350
	12 hari	-.01000	.00988	1.000	-.0500	.0300
	13 hari	-.00500	.00988	1.000	-.0450	.0350
	14 hari	.00000	.00988	1.000	-.0400	.0400
	15 hari	.01500	.00988	.989	-.0250	.0550
	16 hari	-.00500	.00988	1.000	-.0450	.0350
	17 hari	.02000	.00988	.873	-.0200	.0600
	18 hari	.00000	.00988	1.000	-.0400	.0400
	20 hari	.02000	.00988	.873	-.0200	.0600
20 hari	0 hari	-.05500*	.00988	.002	-.0950	-.0150
	1 hari	-.03500	.00988	.133	-.0750	.0050
	2 hari	-.04500*	.00988	.018	-.0850	-.0050
	3 hari	-.05500*	.00988	.002	-.0950	-.0150
	4 hari	-.07500*	.00988	.000	-.1150	-.0350
	5 hari	-.06500*	.00988	.000	-.1050	-.0250
	6 hari	-.03000	.00988	.311	-.0700	.0100
	7 hari	-.05500*	.00988	.002	-.0950	-.0150
	8 hari	-.04500*	.00988	.018	-.0850	-.0050
	9 hari	-.03000	.00988	.311	-.0700	.0100
	10 hari	-.02000	.00988	.873	-.0600	.0200

Lampiran 19

11 hari	-.02500	.00988	.596	-.0650	.0150
12 hari	-.03000	.00988	.311	-.0700	.0100
13 hari	-.02500	.00988	.596	-.0650	.0150
14 hari	-.02000	.00988	.873	-.0600	.0200
15 hari	-.00500	.00988	1.000	-.0450	.0350
16 hari	-.02500	.00988	.596	-.0650	.0150
17 hari	.00000	.00988	1.000	-.0400	.0400
18 hari	-.02000	.00988	.873	-.0600	.0200
19 hari	-.02000	.00988	.873	-.0600	.0200

\*. The mean difference is significant at the 0.05 level.



PEMERINTAH PROPINSI JAWA TIMUR  
RUMAH SAKIT UMUM DAERAH Dr. SOETOMO  
INSTALASI PATOLOGI KLINIK

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Telp.5501525-26 Ext.3402,5042113 Fax : 5042113  
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Hasil Quality Control Bilirubin Direk di RSUD Dr. Soetomo Surabaya selama tanggal 5 Mei 2014 sampai tanggal 26 Mei 2014.

No	Tanggal	Kadar Bilirubin Direk (mg/dl)	Keterangan
1	5 Mei 2014	0.20	Masuk range
2	6 Mei 2014	0.19	Masuk range
3	7 Mei 2014	0.18	Masuk range
4	8 Mei 2014	0.21	Masuk range
5	9 Mei 2014	0.20	Masuk range
6	10 Mei 2014	0.17	Masuk range
7	11 Mei 2014	0.19	Masuk range
8	12 Mei 2014	0.16	Masuk range
9	13 Mei 2014	0.17	Masuk range
10	14 Mei 2014	0.17	Masuk range
11	15 Mei 2014	0.19	Masuk range
12	16 Mei 2014	0.16	Masuk range
13	17 Mei 2014	0.15	Masuk range
14	18 Mei 2014	0.16	Masuk range
15	19 Mei 2014	0.15	Masuk range
16	20 Mei 2014	0.16	Masuk range
17	21 Mei 2014	0.15	Masuk range
18	22 Mei 2014	0.17	Masuk range
19	23 Mei 2014	0.16	Masuk range
20	24 Mei 2014	0.15	Masuk range
21	25 Mei 2014	0.16	Masuk range

Surabaya, 24 Juni 2014

Koordinator Kimia Klinik

Rita Suhertiyeni, S.Si

NIP : 19640404 198703 2 020



**PEMERINTAH PROPINSI JAWA TIMUR**  
**RUMAH SAKIT UMUM DAERAH Dr. SOETOMO**  
**INSTALASI PATOLOGI KLINIK**  
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Telp.5501525-26 Ext.3402,5042113 Fax : 5042113  
e-mail : [pkrsds@telkom.net](mailto:pkrsds@telkom.net), [pdspatklin\\_sby@yahoo.com](mailto:pdspatklin_sby@yahoo.com)

NOTA DINAS

Kepada Yth : Dekan Fakultas Ilmu Kesehatan Universitas Muhammadiyah  
Surabaya  
Dari : Kepala Instalasi Patologi Klinik  
Nomor : 167 / 301. 2.21 / PK / VI / 2014  
Tanggal : 05 Juni 2014  
Lamp : -  
Perihal : Permohonan Ijin Penelitian

Menjawab Surat Saudara No. 268/II.3.AU/F/FIK/2014 tanggal 02 April 2014, perihal tersebut pada pokok surat. Dengan ini kami beritahukan bahwa pada prinsipnya kami tidak berkeberatan atas permohonan tersebut atas nama :

Nama : Dwi Rizki Mas'ula  
NIM : 20110662011  
Judul KTI : Pengaruh lama penyimpanan serum kontrol terhadap stabilitas Quality Control pada pemeriksaan bilirubin direk.

Demikian atas perhatian dan kerjasamanya, kami ucapkan terima kasih.



Kepala Instalasi Patologi Klinik

Dr. Hartono Kahar dr, SpPK. MQIH  
NIP : 19590531 198611 1 001

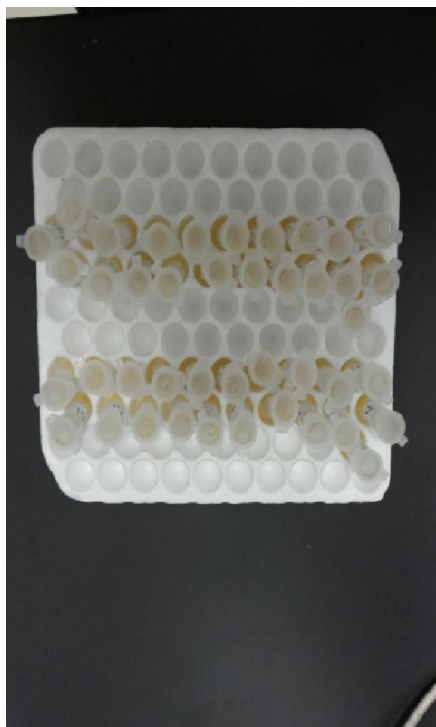
**Tembusan :**

- Direktur sebagai laporan
- Wadir Pendidikan Profesi dan Penelitian  
RSUD Dr.Soetomo

Lampiran 22



Alat Dimension RXL Max

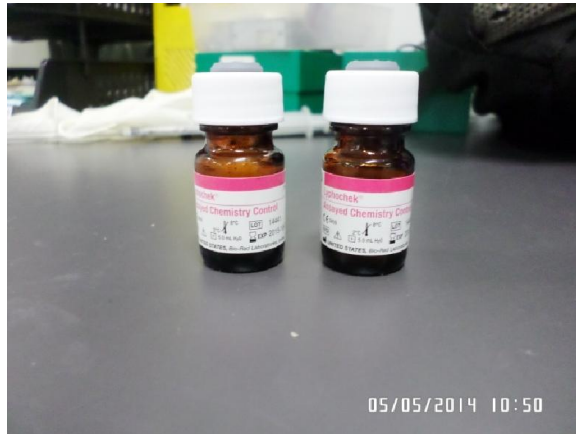


Serum kontrol yang dibagi ke dalam sampel cup



Proses rekonstitusi serum kontrol liofilisat

Lampiran 23



Serum kontrol liofilisat



Proses memasukkan serum ke dalam alat



Proses running sampel