

## LAMPIRAN 1

## KETERANGAN KELAIKAN ETIK



KOMISI ETIK PENELITIAN KESEHATAN  
FAKULTAS KEDOKTERAN UNIVERSITAS BRAWIJAYA

KETERANGAN KELAIKAN ETIK  
("ETHICAL CLEARANCE")

No. 115 / EC / KEPK - S1 / 03 / 2013

Setelah Tim Etik Penelitian Mahasiswa Fakultas Kedokteran Universitas Brawijaya mempelajari dengan seksama rancangan penelitian yang diusulkan :

Judul : Perbedaan Konsumsi Susu Coklat *Low-Fat* dan *Sports Drink* Terhadap Status Rehidrasi Atlet Usia Remaja (18 – 21 Tahun)

Peneliti : Novita Putri Diantanti

NIM : 0910730075

Unit / Lembaga : Jurusan Gizi Kesehatan Fakultas Kedokteran Universitas Brawijaya Malang

Tempat Penelitian : Klub Sepak Bola Junior Arema Zipur Kecamatan Kepanjen

Maka dengan ini menyatakan bahwa penelitian tersebut telah memenuhi syarat atau laik etik.

Malang, 07 MAR 2013

Ani, Ketua  
Koordinator Divisi I



Prof. Dr. dr. Teguh W. Sardjono, DTM&H, MSc, SpParK  
NIP. 19520410 198002 1 001

## LAMPIRAN 2

## LEMBAR FORM 24 HOUR RECALL

Nama : \_\_\_\_\_

Tanggal : \_\_\_\_\_

Waktu Makan	Nama Makanan atau Minuman	Bahan Makanan				
		Jenis	Cara Persiapan	Banyaknya Cairan		Ket.
				URT	mL	

**LAMPIRAN 3**  
**LEMBAR CATATAN PENGUKURAN**

Nama	Kelompok Perlakuan	Usia	BB <sub>euh</sub> (kg)	TB (cm)	IMT	Euhidrasi	
						Warna Urin	Berat Jenis Urin

Pasca Latihan			Rehidrasi			Intake Cairan	% Rehidrasi	Indeks Rehidrasi	Keterangan
BB <sub>hilang</sub>	Warna Urin	Berat Jenis Urin	BB <sub>reh</sub>	Warna Urin	Berat Jenis Urin				

LAMPIRAN 4

LEMBAR PENYERAHAN URIN

Tanggal : \_\_\_\_\_

No.	Nama	Tanda Tangan	Keterangan



**LAMPIRAN 5**  
**DATA KARAKTERISITIK SAMPEL**

Nama Atlet	Kelompok Perlakuan	Usia	BB-euh (g)	TB (cm)	IMT	Euhidrasi		Pasca Latihan			Rehidrasi			% Perubahan Berat Badan	Intake Cairan 24hr-Recall	% Rehidrasi	Indeks Rehidrasi
						Warna Urin	Berat Jenis Urin	BB-hilang (g)	Warna Urin	Berat Jenis Urin	BB-reh (g)	Warna Urin	Berat Jenis Urin				
ACD	Perlakuan	19	55700	176	18,14	2	1.025	54500	6	1.030	55500	2	1.015	83	2296	104	0,92
AF	Kontrol	18	53900	151	23,86	3	1.015	52800	3	1.030	53100	2	1.020	27	3045	31	10,24
AH	Perlakuan	19	56000	162	21,53	5	1.020	54400	7	1.030	56400	4	1.025	125	3587	208	0,23
AIM	Kontrol	18	59300	168,5	21,06	2	1.010	58500	1	1.010	59800	2	1.030	163	3189	135	0,55
AP	Perlakuan	20	68900	170,5	23,87	5	1.030	66100	4	1.030	68100	3	1.020	71	3627	208	0,23
APP	Perlakuan	20	53100	163	20,17	1	1.005	51100	2	1.010	52400	2	1.010	65	2770	135	0,55
ASP	Perlakuan	21	73000	177	23,46	1	1.000	70200	2	1.015	72300	1	1.005	75	2471	219	0,21
ATI	Kontrol	21	62500	168,5	22,19	3	1.025	60500	6	1.030	62100	3	1.030	80	3358	167	0,36
AY	Perlakuan	18	55600	162,5	21,24	2	1.020	54200	6	1.030	55800	2	1.030	114	4888	167	0,36
DRB	Kontrol	18	51900	163	19,72	5	1.030	50900	6	1.030	51600	6	1.030	70	3940	73	1,88
F	Kontrol	18	72700	175	23,90	4	1.015	71500	6	1.030	72800	4	1.020	108	3459	135	0,55
FAP	Perlakuan	18	69700	165	25,79	6	1.030	68200	5	1.030	62900	4	1.025	-353	3218	-552	0,03
FEI	Perlakuan	18	59700	167	21,59	3	1.015	58200	3	1.025	59400	3	1.030	80	3568	125	0,64
FII	Perlakuan	18	58600	159,5	23,23	3	1.015	56700	3	1.030	58900	2	1.030	116	4049	229	0,19

Nama Atlet	Kelompok Perlakuan	Usia	BB-euh (g)	TB (cm)	IMT	Euhidrasi		Pasca Latihan			Rehidrasi			% Perubahan Berat Badan	Intake Cairan 24hr-Recall	% Rehidrasi	Indeks Rehidrasi
						Warna Urin	Berat Jenis Urin	BB-hilang (g)	Warna Urin	Berat Jenis Urin	BB-reh (g)	Warna Urin	Berat Jenis Urin				
GAM	Perlakuan	18	53900	160,5	21,12	3	1.015	52200	6	1.030	54100	2	1.015	112	2599	198	0,26
GP	Kontrol	18	59900	166	21,92	6	1.030	59000	7	1.030	60100	7	1.030	122	2948	115	0,76
GRDC	Perlakuan	21	59900	168,5	21,27	1	1.015	57700	3	1.015	59300	3	1.015	73	5280	167	0,36
HP	Perlakuan	18	65200	176	21,21	6	1.030	63100	5	1.030	66000	5	1.030	138	3749	302	0,11
I	Kontrol	19	64500	168	23,03	4	1.005	62000	5	1.015	62900	5	1.015	36	3095	94	1,14
IJ	Kontrol	20	60500	165	22,41	5	1.025	60000	4	1.015	58800	4	1.015	-240	2582	-125	0,64
KLPM	Kontrol	20	66600	174,2	22,11	2	1.030	64400	5	1.030	65500	5	1.030	50	2737	115	0,76
MR	Perlakuan	18	46400	163	17,65	1	1.005	44900	1	1.010	46700	1	1.000	120	4307	188	0,28
MUA	Perlakuan	19	62500	168,5	22,19	2	1.000	60200	2	1.005	61800	1	1.005	70	3592	167	0,36
NAK	Perlakuan	18	49600	154,5	20,99	1	1.005	48200	6	1.020	49600	2	1.015	100	4591	146	0,47
NGS	Kontrol	21	56000	161	21,80	3	1.015	53900	2	1.015	56000	1	1.030	100	2589	219	0,21
ODA	Kontrol	20	84100	173,5	28,10	1	1.005	81500	6	1.025	83200	2	1.015	65	2438	177	0,32
ORJ	Perlakuan	19	73900	169,5	25,90	1	1.010	71200	4	1.020	73100	1	1.005	70	2773	198	0,26
PMD	Kontrol	19	50600	159,5	20,09	5	1.030	48700	6	1.030	50700	6	1.030	105	2818	208	0,23
PP	Kontrol	19	59200	166,5	21,54	5	1.015	58000	6	1.020	59000	6	1.020	83	3843	104	0,92
RN	Kontrol	21	64400	172,5	21,81	5	1.025	62500	6	1.030	68300	6	1.030	305	3550	604	0,03
RW	Kontrol	19	60000	171,5	20,57	6	1.030	58500	6	1.020	60800	5	1.015	153	2140	240	0,17
T	Perlakuan	18	75500	175,5	24,68	6	1.030	74700	7	1.030	77000	4	1.030	288	2919	240	0,17
VAL	Perlakuan	19	58500	166	21,41	1	1.005	57100	2	1.015	59200	3	1.025	150	3105	219	0,21
WDK	Kontrol	19	78500	175	25,80	5	1.030	76200	8	1.030	78200	7	1.030	87	3439	208	0,23
ZA	Kontrol	20	60300	169,5	21,16	3	1.025	58300	7	1.025	59800	3	1.030	75	3430	156	0,41
ZG	Kontrol	18	57900	178	18,43	4	1.030	56900	5	1.030	57800	4	1.030	90	3127	94	1,14

LAMPIRAN 6

HASIL UJI ANALISIS STATISTIK

- **Distribusi Sampel Berdasarkan Kelompok Perlakuan**

**Statistics**

KEL\_PERLAKU

N	Valid	36
	Missing	0

**KEL\_PERLAKU**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	KONTROL	18	50.0	50.0	50.0
	PERLAKU	18	50.0	50.0	100.0
	Total	36	100.0	100.0	

- **Distribusi Sampel Berdasarkan Usia**

**Statistics**

USIA

N	Valid	36
	Missing	0

**USIA**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	18	15	41.7	41.7	41.7
	19	10	27.8	27.8	69.4
	20	6	16.7	16.7	86.1
	21	5	13.9	13.9	100.0
	Total	36	100.0	100.0	

- **Hasil Uji Normalitas Shapiro-Wilk**

**Tests of Normality**

	KEL_PERLAKU	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
BB_EUH	KONTROL	.197	18	.064	.896	18	.050
	PERLAKU	.157	18	.200	.954	18	.499
BB_HILANG	KONTROL	.197	18	.064	.898	18	.053
	PERLAKU	.152	18	.200	.965	18	.693





BB_REH	KONTROL	.192	18	.077	.905	18	.071
	PERLAHU	.163	18	.200	.966	18	.714
BJ_EUH	KONTROL	.254	18	.003	.822	18	.003
	PERLAHU	.166	18	.200	.903	18	.064
BJ_HILANG	KONTROL	.331	18	.000	.757	18	.000
	PERLAHU	.303	18	.000	.803	18	.002
BJ_REH	KONTROL	.385	18	.000	.698	18	.000
	PERLAHU	.186	18	.101	.890	18	.038
WARNA_EUH	KONTROL	.214	18	.029	.926	18	.167
	PERLAHU	.210	18	.035	.807	18	.002
WARNA_HILANG	KONTROL	.269	18	.001	.871	18	.019
	PERLAHU	.169	18	.190	.918	18	.118
WARNA_REH	KONTROL	.150	18	.200	.938	18	.265
	PERLAHU	.217	18	.025	.907	18	.077

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

#### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
persen_rehidrasi	.250	36	.000	.697	36	.000
indeks_rehidrasi	.348	36	.000	.323	36	.000

a. Lilliefors Significance Correction

#### Deskriptif

#### Descriptives

KEL_PERLAHU			Statistic	Std. Error	
BB_EUH	KONTROL	Mean	62.3778	2.04929	
		95% Confidence Interval for Mean	Lower Bound	58.0542	
			Upper Bound	66.7014	
		5% Trimmed Mean	61.8253		
		Median	60.1500		
		Variance	75.592		
		Std. Deviation	8.69439		
		Minimum	50.60		
		Maximum	84.10		
		Range	33.50		
		Interquartile Range	7.60		
		Skewness	1.187	.536	
		Kurtosis	1.386	1.038	
PERLAHU	Mean	60.8722	2.00608		

	95% Confidence Interval for Mean	Lower Bound	56.6398	
		Upper Bound	65.1047	
	5% Trimmed Mean		60.8636	
	Median		59.1500	
	Variance		72.439	
	Std. Deviation		8.51109	
	Minimum		46.40	
	Maximum		75.50	
	Range		29.10	
	Interquartile Range		13.93	
	Skewness		.291	.536
	Kurtosis		-.818	1.038
BB_HILAN KONTROL G	Mean		60.7833	1.97807
	95% Confidence Interval for Mean	Lower Bound	56.6100	
		Upper Bound	64.9567	
	5% Trimmed Mean		60.3037	
	Median		58.7500	
	Variance		70.430	
	Std. Deviation		8.39224	
	Minimum		48.70	
	Maximum		81.50	
	Range		32.80	
	Interquartile Range		6.83	
	Skewness		1.136	.536
	Kurtosis		1.315	1.038
PERLAKU	Mean		59.0500	1.95856
	95% Confidence Interval for Mean	Lower Bound	54.9178	
		Upper Bound	63.1822	
	5% Trimmed Mean		58.9667	
	Median		57.4000	
	Variance		69.047	
	Std. Deviation		8.30947	
	Minimum		44.90	
	Maximum		74.70	
	Range		29.80	
	Interquartile Range		12.92	

		Skewness		.338	.536
		Kurtosis		-.648	1.038
BB_REH	KONTROL	Mean		62.2500	2.04750
		95% Confidence Interval for Mean	Lower Bound	57.9302	
			Upper Bound	66.5698	
		5% Trimmed Mean		61.7278	
		Median		59.9500	
		Variance		75.460	
		Std. Deviation		8.68679	
		Minimum		50.70	
		Maximum		83.20	
		Range		32.50	
		Interquartile Range		8.85	
		Skewness		1.082	.536
		Kurtosis		.968	1.038
	PERLAKU	Mean		60.4722	1.94055
		95% Confidence Interval for Mean	Lower Bound	56.3780	
			Upper Bound	64.5664	
		5% Trimmed Mean		60.3191	
		Median		59.2500	
		Variance		67.783	
		Std. Deviation		8.23306	
		Minimum		46.70	
		Maximum		77.00	
		Range		30.30	
		Interquartile Range		11.38	
		Skewness		.454	.536
		Kurtosis		-.307	1.038
BJ_EUH	KONTROL	Mean		1.02167	.002139
		95% Confidence Interval for Mean	Lower Bound	1.01715	
			Upper Bound	1.02618	
		5% Trimmed Mean		1.02213	
		Median		1.02500	
		Variance		.000	
		Std. Deviation		.009075	
		Minimum		1.005	
		Maximum		1.030	

	Range		.025	
	Interquartile Range		.015	
	Skewness		-.694	.536
	Kurtosis		-.955	1.038
PERLAKU	Mean		1.01528	.002507
	95% Confidence Interval for Mean	Lower Bound	1.00999	
		Upper Bound	1.02057	
	5% Trimmed Mean		1.01531	
	Median		1.01500	
	Variance		.000	
	Std. Deviation		.010637	
	Minimum		1.000	
	Maximum		1.030	
	Range		.030	
	Interquartile Range		.021	
	Skewness		.125	.536
	Kurtosis		-1.307	1.038
	BJ_HILAN KONTROL G	Mean		1.02472
95% Confidence Interval for Mean		Lower Bound	1.02126	
		Upper Bound	1.02818	
5% Trimmed Mean			1.02525	
Median			1.03000	
Variance			.000	
Std. Deviation			.006960	
Minimum			1.010	
Maximum			1.030	
Range			.020	
Interquartile Range			.011	
Skewness			-.920	.536
Kurtosis			-.665	1.038
PERLAKU		Mean		1.02250
	95% Confidence Interval for Mean	Lower Bound	1.01813	
		Upper Bound	1.02687	
	5% Trimmed Mean		1.02306	
	Median		1.02750	
	Variance		.000	
	Std. Deviation		.008787	

		Minimum		1.005	
		Maximum		1.030	
		Range		.025	
		Interquartile Range		.015	
		Skewness		-.658	.536
		Kurtosis		-1.071	1.038
BJ_REH	KONTROL	Mean		1.02528	.001484
		95% Confidence Interval for Mean	Lower Bound	1.02215	
			Upper Bound	1.02841	
		5% Trimmed Mean		1.02559	
		Median		1.03000	
		Variance		.000	
		Std. Deviation		.006295	
		Minimum		1.015	
		Maximum		1.030	
		Range		.015	
		Interquartile Range		.010	
		Skewness		-.713	.536
		Kurtosis		-1.368	1.038
	PERLAKU	Mean		1.01833	.002425
		95% Confidence Interval for Mean	Lower Bound	1.01322	
			Upper Bound	1.02345	
		5% Trimmed Mean		1.01870	
		Median		1.01750	
		Variance		.000	
		Std. Deviation		.010290	
		Minimum		1.000	
		Maximum		1.030	
		Range		.030	
		Interquartile Range		.021	
		Skewness		-.314	.536
		Kurtosis		-1.282	1.038
WARNA_E UH	KONTROL	Mean		3.94	.338
		95% Confidence Interval for Mean	Lower Bound	3.23	
			Upper Bound	4.66	
		5% Trimmed Mean		3.99	
		Median		4.00	

	Variance		2.056	
	Std. Deviation		1.434	
	Minimum		1	
	Maximum		6	
	Range		5	
	Interquartile Range		2	
	Skewness		-.431	.536
	Kurtosis		-.635	1.038
PERLAKU	Mean		2.78	.461
	95% Confidence Interval for Mean	Lower Bound	1.80	
		Upper Bound	3.75	
	5% Trimmed Mean		2.70	
	Median		2.00	
	Variance		3.830	
	Std. Deviation		1.957	
	Minimum		1	
	Maximum		6	
	Range		5	
	Interquartile Range		4	
	Skewness		.720	.536
	Kurtosis		-1.080	1.038
WARNA_H KONTROL ILANG	Mean		5.28	.419
	95% Confidence Interval for Mean	Lower Bound	4.39	
		Upper Bound	6.16	
	5% Trimmed Mean		5.36	
	Median		6.00	
	Variance		3.154	
	Std. Deviation		1.776	
	Minimum		1	
	Maximum		8	
	Range		7	
	Interquartile Range		1	
	Skewness		-1.111	.536
	Kurtosis		1.062	1.038
PERLAKU	Mean		4.11	.457
	95% Confidence Interval for Mean	Lower Bound	3.15	
		Upper Bound	5.07	

	5% Trimmed Mean		4.12	
	Median		4.00	
	Variance		3.752	
	Std. Deviation		1.937	
	Minimum		1	
	Maximum		7	
	Range		6	
	Interquartile Range		4	
	Skewness		.043	.536
	Kurtosis		-1.414	1.038
WARNA_R KONTROL EH	Mean		4.33	.435
	95% Confidence Interval for Mean	Lower Bound	3.41	
		Upper Bound	5.25	
	5% Trimmed Mean		4.37	
	Median		4.50	
	Variance		3.412	
	Std. Deviation		1.847	
	Minimum		1	
	Maximum		7	
	Range		6	
	Interquartile Range		3	
	Skewness		-.238	.536
	Kurtosis		-1.082	1.038
PERLAKU	Mean		2.50	.283
	95% Confidence Interval for Mean	Lower Bound	1.90	
		Upper Bound	3.10	
	5% Trimmed Mean		2.44	
	Median		2.00	
	Variance		1.441	
	Std. Deviation		1.200	
	Minimum		1	
	Maximum		5	
	Range		4	
	Interquartile Range		2	
	Skewness		.459	.536
	Kurtosis		-.581	1.038

Descriptives

KEL_PERLAKU		Statistic	Std. Error	
persen_r ehidrasi	KONTROL Mean	1.5278E2	33.02645	
	95% Confidence Interval for Mean	Lower Bound	83.0981	
		Upper Bound	2.2246E2	
	5% Trimmed Mean	1.4313E2		
	Median	1.3542E2		
	Variance	1.963E4		
	Std. Deviation	1.40119E2		
	Minimum	-125.00		
	Maximum	604.17		
	Range	729.17		
	Interquartile Range	114.58		
	Skewness	1.657	.536	
	Kurtosis	6.795	1.038	
PERLAKU	Mean	1.4815E2	42.63423	
	95% Confidence Interval for Mean	Lower Bound	58.2030	
		Upper Bound	2.3810E2	
	5% Trimmed Mean	1.7850E2		
	Median	1.9271E2		
	Variance	3.272E4		
	Std. Deviation	1.80882E2		
	Minimum	-552.00		
	Maximum	302.08		
	Range	854.08		
	Interquartile Range	75.52		
	Skewness	-3.767	.536	
	Kurtosis	15.265	1.038	
indeks_re hidrasi	KONTROL Mean	1.1389	.54360	
	95% Confidence Interval for Mean	Lower Bound	-.0080	
		Upper Bound	2.2858	
	5% Trimmed Mean	.6971		
	Median	.5500		
	Variance	5.319		
	Std. Deviation	2.30629		
	Minimum	.03		





	Maximum		10.20	
	Range		10.17	
	Interquartile Range		.74	
	Skewness		3.980	.536
	Kurtosis		16.379	1.038
PERLAKU	Mean		.3244	.04980
	95% Confidence Interval for Mean	Lower Bound	.2194	
		Upper Bound	.4295	
	5% Trimmed Mean		.3077	
	Median		.2600	
	Variance		.045	
	Std. Deviation		.21130	
	Minimum		.03	
	Maximum		.92	
	Range		.89	
	Interquartile Range		.18	
	Skewness		1.477	.536
	Kurtosis		2.687	1.038

- Independent T-Test Berat Badan

Group Statistics					
	KEL_PERLAKU	N	Mean	Std. Deviation	Std. Error Mean
BB_EUH	KONTROL	18	62.3778	8.69439	2.04929
	PERLAKU	18	60.8722	8.51109	2.00608
BB_HILANG	KONTROL	18	60.7833	8.39224	1.97807
	PERLAKU	18	59.0500	8.30947	1.95856
BB_REH	KONTROL	18	62.2500	8.68679	2.04750
	PERLAKU	18	60.4722	8.23306	1.94055

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	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
BB_EUH	Equal variances assumed	.143	.708	.525	34	.603	1.50556	2.86774	-4.32240	7.33351

	Equal variances not assumed			.525	33.985	.603	1.50556	2.86774	-4.32250	7.33361
BB_HILANG	Equal variances assumed	.197	.660	.623	34	.538	1.73333	2.78365	-3.92373	7.39040
	Equal variances not assumed			.623	33.997	.538	1.73333	2.78365	-3.92375	7.39042
BB_REH	Equal variances assumed	.001	.975	.630	34	.533	1.77778	2.82099	-3.95516	7.51072
	Equal variances not assumed			.630	33.903	.533	1.77778	2.82099	-3.95577	7.51132

**Mann-Whitney Berat Jenis Urin**

**Ranks**

	KEL_PERLAKU	N	Mean Rank	Sum of Ranks
BJ_EUH	KONTROL	18	21.53	387.50
	PERLAKU	18	15.47	278.50
	Total	36		
BJ_HILANG	KONTROL	18	19.58	352.50
	PERLAKU	18	17.42	313.50
	Total	36		
BJ_REH	KONTROL	18	22.25	400.50
	PERLAKU	18	14.75	265.50
	Total	36		

**Test Statistics<sup>b</sup>**

	BJ_EUH	BJ_HILANG	BJ_REH
Mann-Whitney U	107.500	142.500	94.500
Wilcoxon W	278.500	313.500	265.500
Z	-1.766	-.671	-2.249
Asymp. Sig. (2-tailed)	.077	.502	.025
Exact Sig. [2*(1-tailed Sig.)]	.085 <sup>a</sup>	.542 <sup>a</sup>	.031 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: KEL\_PERLAKU

**Mann-Whitney Warna Urin**

**Ranks**

	KEL_PERLAKU	N	Mean Rank	Sum of Ranks
WARNA_EUH	KONTROL	18	21.86	393.50
	PERLAKU	18	15.14	272.50



Total	36		
WARNA_HILANG KONTROL	18	21.50	387.00
PERLAHU	18	15.50	279.00
Total	36		
WARNA_REH KONTROL	18	23.61	425.00
PERLAHU	18	13.39	241.00
Total	36		

**Test Statistics<sup>b</sup>**

	WARNA_EUH	WARNA_HILANG	WARNA_REH
Mann-Whitney U	101.500	108.000	70.000
Wilcoxon W	272.500	279.000	241.000
Z	-1.948	-1.748	-2.955
Asymp. Sig. (2-tailed)	.051	.080	.003
Exact Sig. [2*(1-tailed Sig.)]	.055 <sup>a</sup>	.091 <sup>a</sup>	.003 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: KEL\_PERLAHU

**Mann-Whitney Persen Rehidrasi dan Indeks Rehidrasi**

**Ranks**

KEL_PERLAHU	N	Mean Rank	Sum of Ranks
persen_rehidrasi KONTROL	18	15.58	280.50
PERLAHU	18	21.42	385.50
Total	36		
indeks_rehidrasi KONTROL	18	22.31	401.50
PERLAHU	18	14.69	264.50
Total	36		

**Test Statistics<sup>b</sup>**

	persen_rehidrasi	indeks_rehidrasi
Mann-Whitney U	109.500	93.500
Wilcoxon W	280.500	264.500
Z	-1.665	-2.172
Asymp. Sig. (2-tailed)	.096	.030
Exact Sig. [2*(1-tailed Sig.)]	.097 <sup>a</sup>	.029 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: KEL\_PERLAHU

**Paired T-Test Berat Badan Kontrol**

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 BB_EUH	62.3778	18	8.69439	2.04929
BB_HILANG	60.7833	18	8.39224	1.97807



## Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 BB_EUH & BB_HILANG	18	.998	.000

## Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 BB_EUH - BB_HILANG	1.59444	.64395	.15178	1.27422	1.91467	10.505	17	.000

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 BB_HILANG	60.7833	18	8.39224	1.97807
BB_REH	62.2500	18	8.68679	2.04750

## Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 BB_HILANG & BB_REH	18	.988	.000

## Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 BB_HILANG - BB_REH	-1.46667	1.34514	.31705	-2.13559	-.79774	4.626	17	.000

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 BB_EUH	62.3778	18	8.69439	2.04929
BB_REH	62.2500	18	8.68679	2.04750

## Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 BB_EUH & BB_REH	18	.990	.000

## Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean				
Pair 1 BB_EUH	62.3778	18	8.69439	2.04929				
Pair 1 BB_EUH - BB_REH	.12778	1.20333	.28363	-.47062	.72618	.451	17	.658

## - Paired T-Test Berat Badan Perlakuan

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 BB_EUH	60.8722	18	8.51109	2.00608
BB_HILANG	59.0500	18	8.30947	1.95856

## Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 BB_EUH & BB_HILANG	18	.998	.000

## Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 BB_EUH - BB_HILANG	1.82222	.56937	.13420	1.53908	2.10536	13.578	17	.000

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 BB_HILANG	59.0500	18	8.30947	1.95856
BB_REH	60.4722	18	8.23306	1.94055

## Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 BB_HILANG & BB_REH	18	.978	.000

## Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 BB_HILANG - BB_REH	-1.42222	1.73665	.40933	-2.28584	-.55861	-3.474	17	.003

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
--	------	---	----------------	-----------------

Pair 1	BB_EUH	60.8722	18	8.51109	2.00608
	BB_REH	60.4722	18	8.23306	1.94055

#### Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 BB_EUH & BB_REH	18	.979	.000

#### Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 BB_EUH - BB_REH	.40000	1.72183	.40584	-.45625	1.25625	.986	17	.338

#### - Wilcoxon Berat Jenis Urin Kontrol

##### Ranks

	N	Mean Rank	Sum of Ranks
BJ_HILANG - BJ_EUH			
Negative Ranks	2 <sup>a</sup>	5.00	10.00
Positive Ranks	7 <sup>b</sup>	5.00	35.00
Ties	9 <sup>c</sup>		
Total	18		

a. BJ\_HILANG < BJ\_EUH

b. BJ\_HILANG > BJ\_EUH

c. BJ\_HILANG = BJ\_EUH

##### Test Statistics<sup>p</sup>

	BJ_HILANG - BJ_EUH
Z	-1.493 <sup>a</sup>
Asymp. Sig. (2-tailed)	.136

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

##### Ranks

	N	Mean Rank	Sum of Ranks
BJ_REH - BJ_HILANG			
Negative Ranks	4 <sup>a</sup>	3.25	13.00
Positive Ranks	3 <sup>b</sup>	5.00	15.00
Ties	11 <sup>c</sup>		
Total	18		

a. BJ\_REH < BJ\_HILANG

**Ranks**

		N	Mean Rank	Sum of Ranks
BJ_REH - BJ_HILANG	Negative Ranks	4 <sup>a</sup>	3.25	13.00
	Positive Ranks	3 <sup>b</sup>	5.00	15.00
	Ties	11 <sup>c</sup>		
	Total	18		

- a. BJ\_REH < BJ\_HILANG
- b. BJ\_REH > BJ\_HILANG
- c. BJ\_REH = BJ\_HILANG

**Test Statistics<sup>b</sup>**

	BJ_REH - BJ_HILANG
Z	-.171 <sup>a</sup>
Asymp. Sig. (2-tailed)	.865

- a. Based on negative ranks.
- b. Wilcoxon Signed Ranks Test

**Ranks**

		N	Mean Rank	Sum of Ranks
BJ_REH - BJ_EUH	Negative Ranks	2 <sup>a</sup>	8.75	17.50
	Positive Ranks	10 <sup>b</sup>	6.05	60.50
	Ties	6 <sup>c</sup>		
	Total	18		

- a. BJ\_REH < BJ\_EUH
- b. BJ\_REH > BJ\_EUH
- c. BJ\_REH = BJ\_EUH

**Test Statistics<sup>b</sup>**

	BJ_REH - BJ_EUH
Z	-1.713 <sup>a</sup>
Asymp. Sig. (2-tailed)	.087

- a. Based on negative ranks.
- b. Wilcoxon Signed Ranks Test

**Wilcoxon Berat Jenis Urin Perlakuan**

**Ranks**

		N	Mean Rank	Sum of Ranks
BJ_HILANG - BJ_EUH	Negative Ranks	0 <sup>a</sup>	.00	.00
	Positive Ranks	13 <sup>b</sup>	7.00	91.00
	Ties	5 <sup>c</sup>		
	Total	18		



- a. BJ\_HILANG < BJ\_EUH
- b. BJ\_HILANG > BJ\_EUH
- c. BJ\_HILANG = BJ\_EUH

**Test Statistics<sup>a</sup>**

	BJ_HILANG - BJ_EUH
Z	-3.219 <sup>a</sup>
Asymp. Sig. (2-tailed)	.001

- a. Based on negative ranks.
- b. Wilcoxon Signed Ranks Test

**Ranks**

		N	Mean Rank	Sum of Ranks
BJ_REH - BJ_HILANG	Negative Ranks	9 <sup>a</sup>	6.33	57.00
	Positive Ranks	2 <sup>b</sup>	4.50	9.00
	Ties	7 <sup>c</sup>		
	Total	18		

- a. BJ\_REH < BJ\_HILANG
- b. BJ\_REH > BJ\_HILANG
- c. BJ\_REH = BJ\_HILANG

**Test Statistics<sup>a</sup>**

	BJ_REH - BJ_HILANG
Z	-2.160 <sup>a</sup>
Asymp. Sig. (2-tailed)	.031

- a. Based on positive ranks.
- b. Wilcoxon Signed Ranks Test

**Ranks**

		N	Mean Rank	Sum of Ranks
BJ_REH - BJ_EUH	Negative Ranks	5 <sup>a</sup>	6.20	31.00
	Positive Ranks	9 <sup>b</sup>	8.22	74.00
	Ties	4 <sup>c</sup>		
	Total	18		

- a. BJ\_REH < BJ\_EUH
- b. BJ\_REH > BJ\_EUH
- c. BJ\_REH = BJ\_EUH

**Test Statistics<sup>a</sup>**

	BJ_REH - BJ_EUH
Z	-1.373 <sup>a</sup>





Asymp. Sig. (2-tailed) .170

- a. Based on negative ranks.
- b. Wilcoxon Signed Ranks Test

**- Wilcoxon Warna Urin Kontrol**

**Ranks**

		N	Mean Rank	Sum of Ranks
WARNA_HILANG - WARNA_EUH	Negative Ranks	3 <sup>a</sup>	5.50	16.50
	Positive Ranks	13 <sup>b</sup>	9.19	119.50
	Ties	2 <sup>c</sup>		
	Total	18		

- a. WARNA\_HILANG < WARNA\_EUH
- b. WARNA\_HILANG > WARNA\_EUH
- c. WARNA\_HILANG = WARNA\_EUH

**Test Statistics<sup>b</sup>**

	WARNA_HILAN G - WARNA_EUH
Z	-2.742 <sup>a</sup>
Asymp. Sig. (2-tailed)	.006

- a. Based on negative ranks.
- b. Wilcoxon Signed Ranks Test

**Ranks**

		N	Mean Rank	Sum of Ranks
WARNA_REH - WARNA_HILANG	Negative Ranks	9 <sup>a</sup>	5.72	51.50
	Positive Ranks	1 <sup>b</sup>	3.50	3.50
	Ties	8 <sup>c</sup>		
	Total	18		

- a. WARNA\_REH < WARNA\_HILANG
- b. WARNA\_REH > WARNA\_HILANG
- c. WARNA\_REH = WARNA\_HILANG

**Test Statistics<sup>b</sup>**

	WARNA_REH - WARNA_HILAN G
Z	-2.506 <sup>a</sup>
Asymp. Sig. (2-tailed)	.012

- a. Based on positive ranks.
- b. Wilcoxon Signed Ranks Test



**Ranks**

		N	Mean Rank	Sum of Ranks
WARNA_REH - WARNA_EUH	Negative Ranks	4 <sup>a</sup>	7.00	28.00
	Positive Ranks	9 <sup>b</sup>	7.00	63.00
	Ties	5 <sup>c</sup>		
	Total	18		

a. WARNA\_REH < WARNA\_EUH

b. WARNA\_REH > WARNA\_EUH

c. WARNA\_REH = WARNA\_EUH

**Test Statistics<sup>b</sup>**

	WARNA_REH - WARNA_EUH
Z	-1.290 <sup>a</sup>
Asymp. Sig. (2-tailed)	.197

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

**- Wilcoxon Warna Urin Perlakuan**

**Ranks**

		N	Mean Rank	Sum of Ranks
WARNA_HILANG - WARNA_EUH	Negative Ranks	3 <sup>a</sup>	4.00	12.00
	Positive Ranks	11 <sup>b</sup>	8.45	93.00
	Ties	4 <sup>c</sup>		
	Total	18		

a. WARNA\_HILANG < WARNA\_EUH

b. WARNA\_HILANG > WARNA\_EUH

c. WARNA\_HILANG = WARNA\_EUH

**Test Statistics<sup>b</sup>**

	WARNA_HILAN G - WARNA_EUH
Z	-2.580 <sup>a</sup>
Asymp. Sig. (2-tailed)	.010

a. Based on negative ranks.

b. Wilcoxon Signed Ranks Test

**Ranks**

		N	Mean Rank	Sum of Ranks
WARNA_REH - WARNA_HILANG	Negative Ranks	12 <sup>a</sup>	7.29	87.50
	Positive Ranks	1 <sup>b</sup>	3.50	3.50
	Ties	5 <sup>c</sup>		
	Total	18		



- a. WARNA\_REH < WARNA\_HILANG
- b. WARNA\_REH > WARNA\_HILANG
- c. WARNA\_REH = WARNA\_HILANG

**Test Statistics<sup>a</sup>**

	WARNA_REH - WARNA_HILANG
Z	-2.980 <sup>a</sup>
Asymp. Sig. (2-tailed)	.003

- a. Based on positive ranks.
- b. Wilcoxon Signed Ranks Test

**Ranks**

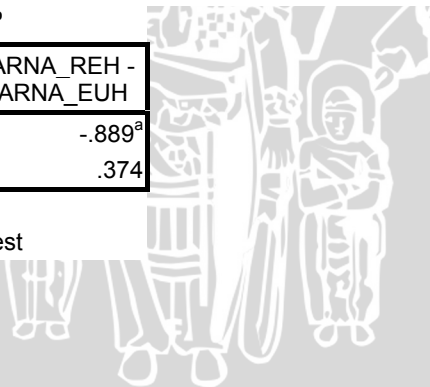
		N	Mean Rank	Sum of Ranks
WARNA_REH - WARNA_EUH	Negative Ranks	8 <sup>a</sup>	6.25	50.00
	Positive Ranks	4 <sup>b</sup>	7.00	28.00
	Ties	6 <sup>c</sup>		
	Total	18		

- a. WARNA\_REH < WARNA\_EUH
- b. WARNA\_REH > WARNA\_EUH
- c. WARNA\_REH = WARNA\_EUH

**Test Statistics<sup>a</sup>**

	WARNA_REH - WARNA_EUH
Z	-.889 <sup>a</sup>
Asymp. Sig. (2-tailed)	.374

- a. Based on positive ranks.
- b. Wilcoxon Signed Ranks Test



**LAMPIRAN 7**  
**PERNYATAAN KEASLIAN TULISAN**

Saya yang bertanda tangan di bawah ini:

Nama : Novita Putri Diantanti

NIM : 0910730075

Jurusan : Ilmu Gizi Kesehatan

Fakultas Kedokteran Universitas Brawijaya Malang

Menyatakan dengan sebenarnya bahwa Tugas Akhir yang saya tulis ini benar-benar hasil karya saya sendiri, bukan merupakan pengambilalihan tulisan atau pikiran orang lain yang saya akui sebagai tulisan atau pikiran saya sendiri. Apabila di kemudian hari terbukti bahwa Tugas Akhir ini adalah hasil jiplakan maka saya bersedia menerima sanksi atas perbuatan tersebut.

Malang, Juli 2013

Yang membuat pernyataan,

Novita Putri Diantanti

NIM. 0910730075