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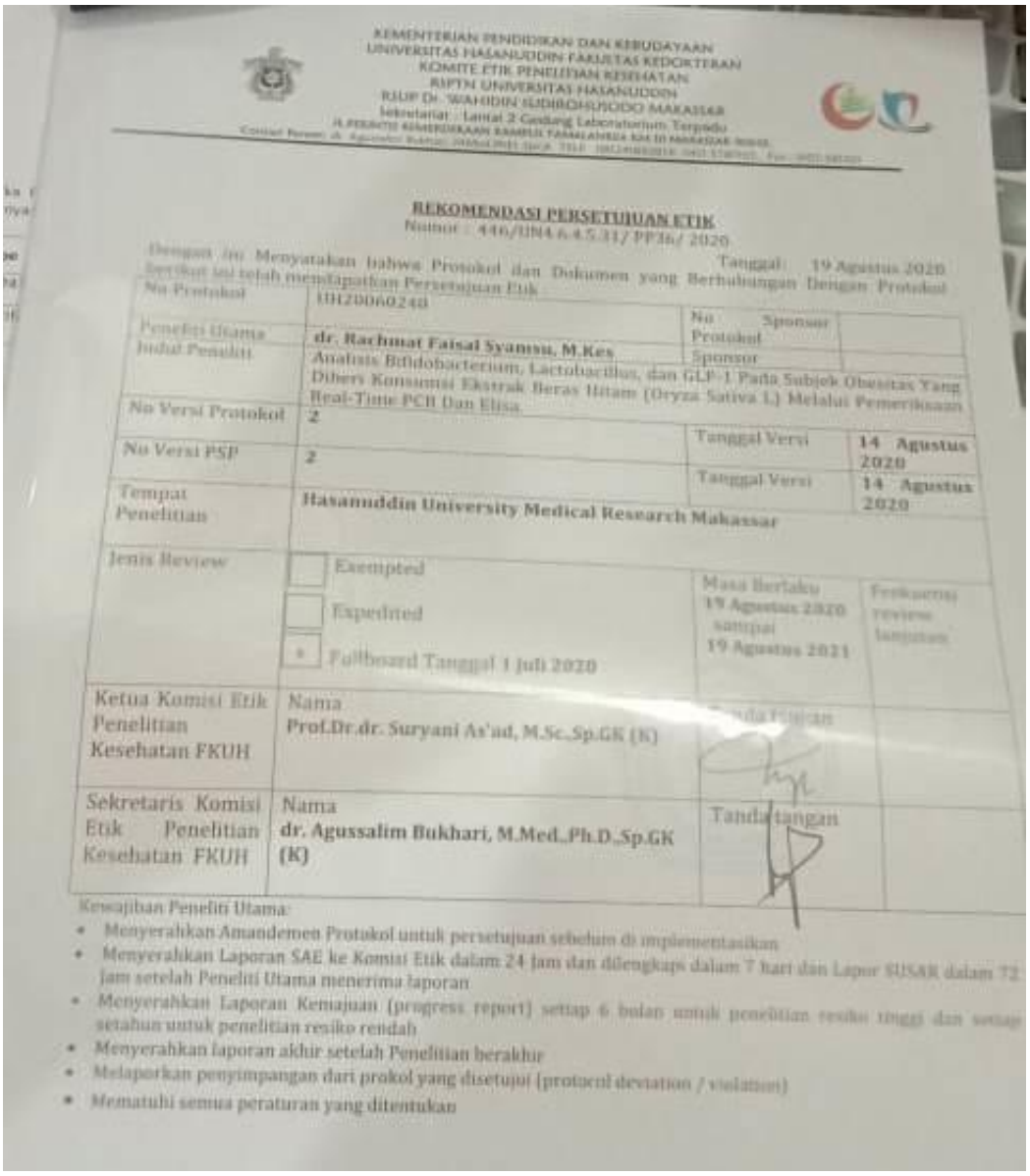
LAMPIRAN

LAMPIRAN 1. PERSETUJUAN ETIK



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN KESEHATAN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
Jl. PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM 10 MAKASSAR 90245

REKOMENDASI PERSETUJUAN ETIK
Nomor : 446/UN4.6.4.5.31/ PP36/ 2020

Tanggal : 19 Agustus 2020

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

No Protokol	UH20060240	No Sponsor Protokol	
Peneliti Utama	**dr. Rachmat Faisal Syamsu, M.Kes**	Sponsor	
Judul Penelitian	Analisis Bifidobacterium, Lactobacillus, dan GLP-1 Pada Subjek Obesitas Yang Diberi Konsumsi Ekstrak Beras Hitam (Oryza Sativa L) Melalui Pemeriksaan Real-Time PCR Dan Elisa		
No Versi Protokol	2	Tanggal Versi	**14 Agustus 2020**
No Versi PSP	2	Tanggal Versi	**14 Agustus 2020**
Tempat Penelitian	**Hasanuddin University Medical Research Makassar**		
Jenis Review	☐ Exempted ☐ Expedited ☒ Fullboard Tanggal 1 Juli 2020	Masa Berlaku **19 Agustus 2020** sampai **19 Agustus 2021**	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian Kesehatan FKUH	Nama **Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)**	Tanda tangan	
Sekretaris Komisi Etik Penelitian Kesehatan FKUH	Nama **dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (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. PERSETUJUAN PENELITIAN

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN
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Jl. Perintis Kemerdekaan Km. 10 Makassar 90245 Telp.(0411)586010,(0411)586297,
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SURAT PERSETUJUAN

Yang bertanda tangan dibawah ini :

Nama : dr. Agussalim Bukhari, M.Med, Ph.D, Sp.GK(K)
NIP : 19700821 199903 1 001
Jabatan : Ketua Program Studi S3 Ilmu Kedokteran

Menyetujui mahasiswa tersebut dibawah ini :

N a m a : **Rachmat Faisal Syamsu**
Nomor Pokok : C013172015
Program Studi : S3 Ilmu Kedokteran

Bermaksud melakukan penelitian dalam rangka persiapan penulisan disertasi dengan Judul :
Analisis Bifidobacterium, Lactobacillus, dan GLP-1 pada Subjek Obesitas yang diberi konsumsi Ekstrak Beras Hitam melalui Pemeriksaan Real-Time PCR dan Elisa

Ketua Program Studi S3
Ilmu Kedokteran,

dr. Agussalim Bukhari, M.Med, Ph.D, Sp.GK(K)
NIP. 19700821 199903 1 001

LAMPIRAN 3. DATA PRIMER, KARAKTERISTIK SAMPEL, DAN FOOD RECALL

Kelompok Sampel (JK=Laki2)	Variabel			
	Umur (Tahun)	IMT (Kg/M^2)	Lingkar Perut (Cm)	Food Recall (Kkal)
Kel.1 Berat Badan Ideal + Placebo (9 Orang)	22	22,1	74	2450
	24	23,6	85	2200
	23	23,3	87	2350
	20	23,4	85	2150
	20	21,2	72	2200
	20	20	72	2300
	21	20,6	76	2250
	21	19,4	69	2550
	22	19,5	73	2150
Kel.2 Obesitas + Placebo (8 Orang)	24	31,8	105	2450
	18	28,1	103	2200
	22	30,5	104	2350
	21	25,9	91	2150
	18	41	133	2200
	18	34,6	112	2300
	21	30,6	111	2250
	21	26,5	92	2550
Kel.3 Obesitas + Ekstrak Beras Hitam (9 Orang)	23	41,5	117	2150
	23	36	119	2450
	24	40,1	125	2200
	23	25,9	91	2350
	23	30,3	99	2450
	23	31,7	100	2200
	20	30	104	2350
	21	31,8	110	2150

	21	26	94	2200

Hasil Analisis Mikrobiota Pre dan Post Test pada Kelompok 1 BBI + Placebo

KELOMPOK	MIKROBIOTA							
Kel.1 Berat Badan Ideal + Placebo	Bifidobacterium (Phylum Actinobacteria, Gram +) (Log DNA Copies/ml)		Bacteroidetes (Bacteroidetes, Gram -) (Log DNA Copies/ml)		Lactobacillus (Firmicutes, Gram +) (Log DNA Copies/ml)		Clostridium (Firmicutes, Gram +) (Log DNA Copies/ml)	
	Pre-Test	Post-Test	Pre-Test	Post-Test	Pre-Test	Post-Test	Pre-Test	Post-Test
1	6,40	5,61	0,00	6,97	7,34	0,00	0,00	2,38
2	6,42	9,19	2,08	1,16	7,51	8,52	0,00	3,26
3	6,35	8,31	0,00	0,03	0,00	8,05	3,65	8,58
4	7,38	8,94	0,91	0,19	6,46	6,84	0,00	3,12
5	5,55	1,07	3,78	3,03	8,47	7,70	8,96	7,26
6	4,21	6,11	1,30	0,00	7,80	10,01	2,63	6,41
7	8,28	6,94	0,00	8,14	8,93	6,31	0,00	7,81
8	7,53	5,89	0,00	0,63	6,45	6,84	0,00	7,02
9	6,04	5,72	1,91	0,00	0,00	3,23	6,96	6,67
Total	58,16	57,78	9,98	20.15	52,96	57,5	22,2	52,51
Rerata	6,462	6,421	1,108	2,238	5,884	6,388	2,466	5,834

Data Primer ; Juli 2021

Hasil Analisis Mikrobiota Pre dan Post Test pada Kelompok 2 Obesitas + Placebo

KELOMPOK	MIKROBIOTA							
Kel.2 Obesitas + Placebo	**Bifidobacterium (Phylum Actinobacteria, Gram +) (Log DNA Copies/ml)**		**Bacteroidetes (Phylum Bacteroidetes, Gram -) (Log DNA Copies/ml)**		**Lactobacillus (Phylum Firmicutes, Gram +) (Log DNA Copies/ml)**		**Clostridium (Phylum Firmicutes, Gram +) (Log DNA Copies/ml)**	
	Pre-Test	Post-Test	Pre-Test	Post-Test	Pre-Test	Post-Test	Pre-Test	Post-Test
1	7,02	7,21	0,87	0,00	7,92	8,75	6,35	8,02
2	7,69	6,69	2,52	2,68	6,15	5,59	2,60	6,63
3	5,47	6,28	0,80	0,00	3,23	5,97	16,19	0,00
4	3,75	4,99	0,17	1,82	8,23	4,36	7,46	6,17
5	5,75	5,73	2,37	0,00	1,84	6,13	0,00	8,03
6	5,75	4,83	1,79	1,00	6,27	6,73	6,16	0,00
7	4,37	2,47	0,00	0,04	6,03	4,16	6,75	1,94
8	8,06	3,12	2,00	0,00	7,66	4,68	2,38	6,40
Total	47,86	41,32	10,52	5,54	47,33	46,37	47,89	37,19
Rerata	5,982	5,165	1,315	0,692	5,916	5,796	5,986	4,648

Hasil Analisis Mikrobiota Pre dan Post Test pada Kelompok 3 Obesitas + EBH

KELOMPOK	MIKROBIOTA							
Kel.3 Obesitas + Ekstrak Beras Hitam	**Bifidobacterium (Phylum Actinobacteria, Gram +) (Log DNA Copies/ml)**		**Bacteroidetes (Phylum Bacteroidetes, Gram -) (Log DNA Copies/ml)**		**Lactobacillus (Phylum Firmicutes, Gram +) (Log DNA Copies/ml)**		**Clostridium (Phylum Firmicutes, Gram +) (Log DNA Copies/ml)**	
	Pre-Test	**Post-Test**	**Pre-Test**	**Post-Test**	**Pre-Test**	**Post-Test**	**Pre-Test**	**Post-Test**
1	3,77	6,95	1,84	6,57	7,62	6,13	1,24	1,21
2	4,22	4,99	1,83	3,21	8,14	6,38	8,97	7,37
3	5,89	6,46	0,00	1,14	8,21	7,69	6,16	5,49
4	6,88	7,22	1,89	2,65	7,77	6,16	8,90	8,00
5	7,29	7,22	0,83	4,24	7,73	6,32	7,84	6,00
6	4,63	9,13	2,58	3,11	7,78	3,82	7,90	6,68
7	7,03	7,89	4,64	7,06	7,59	6,65	7,76	6,66
8	2,56	7,05	0,00	2,06	5,72	6,00	0,00	0,00

9	6,33	6,97	2,48	4,32	7,78	6,54	8,22	3,38
Total	48,6	63,88	16,09	34,36	68,34	56,19	56,99	44,79
Rerata	5,4	7,097	1,787	3,817	7,593	6,187	6,332	4,976

LAMPIRAN 4. UJI STATISTIK PRE-POST TEST MIKROBIOTA

T-Test

Paired Samples Statistics

Kelompok			Mean	N	Std. Deviation	Std. Error Mean
KONTROL (Berat Badan Ideal + Placebo)	Pair 1	Pretest Bifidobacterium (Actinobacteria)	6.4622	9	1.19310	.39770
		Posttest Bifidobacterium (Actinobacteria)	6.4200	9	2.44978	.81659
	Pair 2	Pretest Bacteroides (Bacteroidetes)	1.1089	9	1.30931	.43644
		Posttest Bacteroides (Bacteroidetes)	2.2389	9	3.17583	1.05861
	Pair 3	Pretest Lactobacillus (Firmicutes)	5.8844	9	3.43321	1.14440
		Posttest Lactobacillus (Firmicutes)	6.3889	9	3.02783	1.00928
	Pair 4	Pretest Clostridium (Firmicutes)	2.4667	9	3.43152	1.14384
		Posttest Clostridium (Firmicutes)	5.8344	9	2.28684	.76228
	Pair 5	Pretest E.Coli (Proteobacteria)	1.7144	9	2.66393	.88798
		Posttest E.Coli (Proteobacteria)	5.3667	9	2.40761	.80254
KONTROL (Obesitas + Placebo)	Pair 1	Pretest Bifidobacterium (Actinobacteria)	6.0275	8	1.47432	.52125
		Posttest Bifidobacterium (Actinobacteria)	5.1650	8	1.67579	.59248
	Pair 2	Pretest Bacteroides (Bacteroidetes)	1.3150	8	.98295	.34753
		Posttest Bacteroides (Bacteroidetes)	.6925	8	1.04608	.36984
	Pair 3	Pretest Lactobacillus (Firmicutes)	5.9163	8	2.28140	.80660
		Posttest Lactobacillus (Firmicutes)	5.7963	8	1.50080	.53061
	Pair 4	Pretest Clostridium (Firmicutes)	5.9863	8	4.88936	1.72865
		Posttest Clostridium (Firmicutes)	4.6488	8	3.43644	1.21496
	Pair 5	Pretest E.Coli (Proteobacteria)	4.4600	8	3.10470	1.09768
		Posttest E.Coli (Proteobacteria)	6.0850	8	1.65923	.58663
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	Pair 1	Pretest Bifidobacterium (Actinobacteria)	5.2960	10	1.60574	.50778
		Posttest Bifidobacterium (Actinobacteria)	6.9970	10	1.08481	.34305
	Pair 2	Pretest Bacteroides (Bacteroidetes)	1.1480	10	1.08649	.34358
		Posttest Bacteroides (Bacteroidetes)	3.5240	10	2.07576	.65641
	Pair 3	Pretest Lactobacillus (Firmicutes)	7.4930	10	.76120	.24071
		Posttest Lactobacillus (Firmicutes)	6.2200	10	.96540	.30529
	Pair 4	Pretest Clostridium (Firmicutes)	6.6130	10	3.28359	1.03836
		Posttest Clostridium (Firmicutes)	5.2910	10	2.83453	.89636
	Pair 5	Pretest E.Coli (Proteobacteria)	1.7420	10	2.96826	.93865
		Posttest E.Coli (Proteobacteria)	4.2030	10	3.73960	1.18257

Paired Samples Correlations

Kelompok			N	Correlation	Sig.
KONTROL (Berat Badan Ideal + Placebo)	Pair 1	Pretest Bifidobacterium (Actinobacteria) & Posttest Bifidobacterium (Actinobacteria)	9	.354	.349
	Pair 2	Pretest Bacteroides (Bacteroidetes) & Posttest Bacteroides (Bacteroidetes)	9	-.250	.517
	Pair 3	Pretest Lactobacillus (Firmicutes) & Posttest Lactobacillus (Firmicutes)	9	.163	.675
	Pair 4	Pretest Clostridium (Firmicutes) & Posttest Clostridium (Firmicutes)	9	.480	.191
	Pair 5	Pretest E.Coli (Proteobacteria) & Posttest E.Coli (Proteobacteria)	9	.406	.278

KONTROL (Obesitas + Placebo)	Pair 1	Pretest Bifidobacterium (Actinobacteria) & Posttest Bifidobacterium (Actinobacteria)	8	.209	.619
	Pair 2	Pretest Bacteroides (Bacteroidetes) & Posttest Bacteroides (Bacteroidetes)	8	.218	.604
	Pair 3	Pretest Lactobacillus (Firmicutes) & Posttest Lactobacillus (Firmicutes)	8	-.045	.915
	Pair 4	Pretest Clostridium (Firmicutes) & Posttest Clostridium (Firmicutes)	8	-.681	.063
	Pair 5	Pretest E.Coli (Proteobacteria) & Posttest E.Coli (Proteobacteria)	8	.677	.065
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	Pair 1	Pretest Bifidobacterium (Actinobacteria) & Posttest Bifidobacterium (Actinobacteria)	10	.224	.534
	Pair 2	Pretest Bacteroides (Bacteroidetes) & Posttest Bacteroides (Bacteroidetes)	10	.236	.511
	Pair 3	Pretest Lactobacillus (Firmicutes) & Posttest Lactobacillus (Firmicutes)	10	.110	.763
	Pair 4	Pretest Clostridium (Firmicutes) & Posttest Clostridium (Firmicutes)	10	.910	.000
	Pair 5	Pretest E.Coli (Proteobacteria) & Posttest E.Coli (Proteobacteria)	10	.482	.158

Oneway

Descriptives

			N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	Between-Component Variance
							Lower Bound	Upper Bound			
Pretest Bifidobacterium (Actinobacteria)	KONTROL (Berat Badan Ideal + Placebo)		9	6.4622	1.19310	.39770	5.5451	7.3793	4.21	8.28	
	KONTROL (Obesitas + Placebo)		8	6.0275	1.47432	.52125	4.7949	7.2601	3.75	8.06	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	5.2960	1.60574	.50778	4.1473	6.4447	2.56	7.29	
	Total		27	5.9015	1.47325	.28353	5.3187	6.4843	2.56	8.28	
	Model	Fixed Effects			1.44062	.27725	5.3293	6.4737			
		Random Effects				.35102	4.3912	7.4118			.13791
Posttest Bifidobacterium (Actinobacteria)	KONTROL (Berat Badan Ideal + Placebo)		9	6.4200	2.44978	.81659	4.5369	8.3031	1.07	9.19	
	KONTROL (Obesitas + Placebo)		8	5.1650	1.67579	.59248	3.7640	6.5660	2.47	7.21	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	6.9970	1.08481	.34305	6.2210	7.7730	4.99	9.13	
	Total		27	6.2619	1.89650	.36498	5.5116	7.0121	1.07	9.19	
	Model	Fixed Effects			1.80579	.34752	5.5446	6.9791			
		Random Effects				.53338	3.9669	8.5568			.48714
Pretest Bacteroides (Bacteroidetes)	KONTROL (Berat Badan Ideal + Placebo)		9	1.1089	1.30931	.43644	.1025	2.1153	.00	3.78	
	KONTROL (Obesitas + Placebo)		8	1.3150	.98295	.34753	.4932	2.1368	.00	2.52	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	1.1480	1.08649	.34358	.3708	1.9252	.00	2.58	
	Total		27	1.1844	1.09725	.21117	.7504	1.6185	.00	3.78	
	Model	Fixed Effects			1.13838	.21908	.7323	1.6366			
		Random Effects				.21908[a]	.2418[a]	2.1271[a]			-.13337
Posttest Bacteroides (Bacteroidetes)	KONTROL (Berat Badan Ideal + Placebo)		9	2.2389	3.17583	1.05861	-.2023	4.6800	.00	8.14	
	KONTROL (Obesitas + Placebo)		8	.6925	1.04608	.36984	-.1820	1.5670	.00	2.68	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	3.5240	2.07576	.65641	2.0391	5.0089	.88	7.06	
	Total		27	2.2567	2.50203	.48151	1.2669	3.2464	.00	8.14	
	Model	Fixed Effects			2.30151	.44292	1.3425	3.1708			
		Random Effects				.81590	-1.2539	5.7672			1.39704
Pretest Lactobacillus (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)		9	5.8844	3.43321	1.14440	3.2454	8.5234	.00	8.93	
	KONTROL (Obesitas + Placebo)		8	5.9163	2.28140	.80660	4.0089	7.8236	1.84	8.23	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	7.4930	.76120	.24071	6.9485	8.0375	5.72	8.21	
	Total		27	6.4896	2.41739	.46523	5.5333	7.4459	.00	8.93	
	Model	Fixed Effects			2.37998	.45803	5.5443	7.4350			
		Random Effects				.54521	4.1438	8.8355			.26025
Posttest Lactobacillus (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)		9	6.3889	3.02783	1.00928	4.0615	8.7163	.00	10.01	
	KONTROL (Obesitas + Placebo)		8	5.7963	1.50080	.53061	4.5416	7.0509	4.16	8.75	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	6.2200	.96540	.30529	5.5294	6.9106	3.82	7.69	
	Total		27	6.1507	1.95193	.37565	5.3786	6.9229	.00	10.01	

	Model	Fixed Effects			2.01553	.38789	5.3502	6.9513			
		Random Effects				.38789[a]	4.4818[a]	7.8197[a]			-.36601
Pretest Clostridium (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)		9	2.4667	3.43152	1.14384	-.1710	5.1044	.00	8.96	
	KONTROL (Obesitas + Placebo)		8	5.9863	4.88936	1.72865	1.8986	10.0739	.00	16.19	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	6.6130	3.28359	1.03836	4.2641	8.9619	.00	9.14	
	Total		27	5.0452	4.16065	.80072	3.3993	6.6911	.00	16.19	
	Model	Fixed Effects			3.86534	.74389	3.5099	6.5805			
		Random Effects				1.30716	-.5791	10.6694			3.43761
Posttest Clostridium (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)		9	5.8344	2.28684	.76228	4.0766	7.5923	2.38	8.58	
	KONTROL (Obesitas + Placebo)		8	4.6488	3.43644	1.21496	1.7758	7.5217	.00	8.03	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	5.2910	2.83453	.89636	3.2633	7.3187	.00	8.12	
	Total		27	5.2819	2.79262	.53744	4.1771	6.3866	.00	8.58	
	Model	Fixed Effects			2.86365	.55111	4.1444	6.4193			
		Random Effects				.55111[a]	2.9106[a]	7.6531[a]			-.58270
Pretest E.Coli (Proteobacteria)	KONTROL (Berat Badan Ideal + Placebo)		9	1.7144	2.66393	.88798	-.3332	3.7621	.00	6.66	
	KONTROL (Obesitas + Placebo)		8	4.4600	3.10470	1.09768	1.8644	7.0556	.00	8.25	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	1.7420	2.96826	.93865	-.3814	3.8654	.00	8.15	
	Total		27	2.5381	3.07305	.59141	1.3225	3.7538	.00	8.25	
	Model	Fixed Effects			2.91220	.56045	1.3814	3.6949			
		Random Effects				.88510	-1.2701	6.3464			1.39637
Posttest E.Coli (Proteobacteria)	KONTROL (Berat Badan Ideal + Placebo)		9	5.3667	2.40761	.80254	3.5160	7.2173	.00	8.31	
	KONTROL (Obesitas + Placebo)		8	6.0850	1.65923	.58663	4.6978	7.4722	4.11	8.86	
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)		10	4.2030	3.73960	1.18257	1.5279	6.8781	.00	8.57	
	Total		27	5.1485	2.82768	.54419	4.0299	6.2671	.00	8.86	
	Model	Fixed Effects			2.82478	.54363	4.0265	6.2705			
		Random Effects				.55092	2.7781	7.5189			.02374

a. Warning: Between-component variance is negative. It was replaced by 0.0 in computing this random effects measure.

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Pretest Bifidobacterium (Actinobacteria)	1.284	2	24	.295
Posttest Bifidobacterium (Actinobacteria)	1.770	2	24	.192
Pretest Bacteroides (Bacteroidetes)	.261	2	24	.772
Posttest Bacteroides (Bacteroidetes)	3.916	2	24	.034
Pretest Lactobacillus (Firmicutes)	5.095	2	24	.014
Posttest Lactobacillus (Firmicutes)	3.344	2	24	.052
Pretest Clostridium (Firmicutes)	.214	2	24	.809
Posttest Clostridium (Firmicutes)	1.494	2	24	.245
Pretest E.Coli (Proteobacteria)	.026	2	24	.974

Posttest E.Coli (Proteobacteria)	6.705	2	24	.005

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Pretest Bifidobacterium (Actinobacteria)	Between Groups	6.623	2	3.311	1.596	.224
	Within Groups	49.809	24	2.075		
	Total	56.432	26			
Posttest Bifidobacterium (Actinobacteria)	Between Groups	15.254	2	7.627	2.339	.118
	Within Groups	78.261	24	3.261		
	Total	93.515	26			
Pretest Bacteroides (Bacteroidetes)	Between Groups	.201	2	.101	.078	.926
	Within Groups	31.102	24	1.296		
	Total	31.303	26			
Posttest Bacteroides (Bacteroidetes)	Between Groups	35.637	2	17.819	3.364	.052
	Within Groups	127.126	24	5.297		
	Total	162.763	26			
Pretest Lactobacillus (Firmicutes)	Between Groups	15.994	2	7.997	1.412	.263
	Within Groups	135.944	24	5.664		
	Total	151.938	26			
Posttest Lactobacillus (Firmicutes)	Between Groups	1.564	2	.782	.192	.826
	Within Groups	97.497	24	4.062		
	Total	99.061	26			
Pretest Clostridium (Firmicutes)	Between Groups	91.504	2	45.752	3.062	.065
	Within Groups	358.581	24	14.941		
	Total	450.085	26			
Posttest Clostridium (Firmicutes)	Between Groups	5.956	2	2.978	.363	.699
	Within Groups	196.812	24	8.200		
	Total	202.768	26			
Pretest E.Coli (Proteobacteria)	Between Groups	41.993	2	20.997	2.476	.105
	Within Groups	203.542	24	8.481		
	Total	245.535	26			
Posttest E.Coli (Proteobacteria)	Between Groups	16.384	2	8.192	1.027	.373
	Within Groups	191.506	24	7.979		
	Total	207.890	26			

Post Hoc Tests

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Pretest Bifidobacterium (Actinobacteria)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	.43472	.70001	.810	-1.3134	2.1829
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	1.16622	.66192	.204	-.4868	2.8192
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	-.43472	.70001	.810	-2.1829	1.3134
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	.73150	.68334	.541	-.9750	2.4380
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	-1.16622	.66192	.204	-2.8192	.4868
		KONTROL (Obesitas + Placebo)	-.73150	.68334	.541	-2.4380	.9750
Posttest Bifidobacterium (Actinobacteria)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	1.25500	.87745	.342	-.9363	3.4463
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-.57700	.82970	.768	-2.6490	1.4950
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	-1.25500	.87745	.342	-3.4463	.9363
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-1.83200	.85656	.103	-3.9711	.3071
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	.57700	.82970	.768	-1.4950	2.6490
		KONTROL (Obesitas + Placebo)	1.83200	.85656	.103	-.3071	3.9711
Pretest Bacteroides (Bacteroidetes)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	-.20611	.55315	.927	-1.5875	1.1753
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-.03911	.52305	.997	-1.3453	1.2671
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	.20611	.55315	.927	-1.1753	1.5875
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	.16700	.53998	.949	-1.1815	1.5155
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	.03911	.52305	.997	-1.2671	1.3453
		KONTROL (Obesitas + Placebo)	-.16700	.53998	.949	-1.5155	1.1815

Posttest Bacteroides (Bacteroidetes)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	1.54639	1.11833	.365	-1.2464	4.3392
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-1.28511	1.05747	.456	-3.9259	1.3557
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	-1.54639	1.11833	.365	-4.3392	1.2464
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-2.83150*	1.09170	.041	-5.5578	-.1052
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	1.28511	1.05747	.456	-1.3557	3.9259
		KONTROL (Obesitas + Placebo)	2.83150*	1.09170	.041	.1052	5.5578
Pretest Lactobacillus (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	-.03181	1.15646	1.000	-2.9198	2.8562
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-1.60856	1.09353	.322	-4.3394	1.1223
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	.03181	1.15646	1.000	-2.8562	2.9198
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-1.57675	1.12893	.358	-4.3960	1.2425
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	1.60856	1.09353	.322	-1.1223	4.3394
		KONTROL (Obesitas + Placebo)	1.57675	1.12893	.358	-1.2425	4.3960
Posttest Lactobacillus (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	.59264	.97937	.819	-1.8531	3.0384
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	.16889	.92607	.982	-2.1438	2.4816
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	-.59264	.97937	.819	-3.0384	1.8531
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-.42375	.95605	.898	-2.8113	1.9638
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	-.16889	.92607	.982	-2.4816	2.1438
		KONTROL (Obesitas + Placebo)	.42375	.95605	.898	-1.9638	2.8113
Pretest Clostridium (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	-3.51958	1.87822	.168	-8.2100	1.1709
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-4.14633	1.77600	.070	-8.5815	.2889
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	3.51958	1.87822	.168	-1.1709	8.2100
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-.62675	1.83349	.938	-5.2055	3.9520
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	4.14633	1.77600	.070	-.2889	8.5815

		KONTROL (Obesitas + Placebo)	.62675	1.83349	.938	-3.9520	5.2055
Posttest Clostridium (Firmicutes)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	1.18569	1.39148	.675	-2.2892	4.6606
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	.54344	1.31576	.911	-2.7424	3.8293
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	-1.18569	1.39148	.675	-4.6606	2.2892
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-.64225	1.35835	.885	-4.0344	2.7499
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	-.54344	1.31576	.911	-3.8293	2.7424
		KONTROL (Obesitas + Placebo)	.64225	1.35835	.885	-2.7499	4.0344
Pretest E.Coli (Proteobacteria)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	-2.74556	1.41507	.149	-6.2794	.7883
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	-.02756	1.33806	1.000	-3.3691	3.3140
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	2.74556	1.41507	.149	-.7883	6.2794
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	2.71800	1.38138	.142	-.7317	6.1677
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	.02756	1.33806	1.000	-3.3140	3.3691
		KONTROL (Obesitas + Placebo)	-2.71800	1.38138	.142	-6.1677	.7317
Posttest E.Coli (Proteobacteria)	KONTROL (Berat Badan Ideal + Placebo)	KONTROL (Obesitas + Placebo)	-.71833	1.37260	.861	-4.1461	2.7094
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	1.16367	1.29790	.648	-2.0776	4.4049
	KONTROL (Obesitas + Placebo)	KONTROL (Berat Badan Ideal + Placebo)	.71833	1.37260	.861	-2.7094	4.1461
		INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	1.88200	1.33991	.354	-1.4641	5.2281
	INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	KONTROL (Berat Badan Ideal + Placebo)	-1.16367	1.29790	.648	-4.4049	2.0776
		KONTROL (Obesitas + Placebo)	-1.88200	1.33991	.354	-5.2281	1.4641

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

Homogeneous Subsets

Pretest Bifidobacterium (Actinobacteria)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	5.2960
KONTROL (Obesitas + Placebo)	8	6.0275
KONTROL (Berat Badan Ideal + Placebo)	9	6.4622
Sig.		.222

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Posttest Bifidobacterium (Actinobacteria)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Obesitas + Placebo)	8	5.1650
KONTROL (Berat Badan Ideal + Placebo)	9	6.4200
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	6.9970
Sig.		.102

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Pretest Bacteroides (Bacteroidetes)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Berat Badan Ideal + Placebo)	9	1.1089
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	1.1480
KONTROL (Obesitas + Placebo)	8	1.3150
Sig.		.923

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 8.926.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Posttest Bacteroides (Bacteroidetes)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05	
		1	2
KONTROL (Obesitas + Placebo)	8	.6925	
KONTROL (Berat Badan Ideal + Placebo)	9	2.2389	2.2389
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10		3.5240
Sig.		.347	.476

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 8.926.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Pretest Lactobacillus (Firmicutes)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Berat Badan Ideal + Placebo)	9	5.8844
KONTROL (Obesitas + Placebo)	8	5.9163
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	7.4930
Sig.		.343

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Posttest Lactobacillus (Firmicutes)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Obesitas + Placebo)	8	5.7963
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	6.2200
KONTROL (Berat Badan Ideal + Placebo)	9	6.3889
Sig.		.810

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Pretest Clostridium (Firmicutes)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Berat Badan Ideal + Placebo)	9	2.4667
KONTROL (Obesitas + Placebo)	8	5.9863
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	6.6130
Sig.		.080

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Posttest Clostridium (Firmicutes)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Obesitas + Placebo)	8	4.6488
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	5.2910
KONTROL (Berat Badan Ideal + Placebo)	9	5.8344
Sig.		.661

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Pretest E.Coli (Proteobacteria)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
KONTROL (Berat Badan Ideal + Placebo)	9	1.7144
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	1.7420
KONTROL (Obesitas + Placebo)	8	4.4600
Sig.		.136

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Posttest E.Coli (Proteobacteria)

Tukey HSD[a,b]

Kelompok	N	Subset for alpha = 0.05
		1
INTERVENSI. (Obesitas + Ekstrak Beras Hitam)	10	4.2030
KONTROL (Berat Badan Ideal + Placebo)	9	5.3667
KONTROL (Obesitas + Placebo)	8	6.0850
Sig.		.353

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 8.926.
b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

UJI STATISTIK MIKROBIOTA & TOTAL BACTERIA

T-Test

Paired Samples Statistics

Kelompok Sampel			Mean	N	Std. Deviation	Std. Error Mean
Kel.1 Berat Badan Ideal + Plasebo	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST	11.9387	9	6.98137	2.32712
		Total Bacteria (Log DNA Copies/ml) POSTTEST	12.8240	9	5.31950	1.77317
Kel.2 Obesitas + Placebo	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST	13.9045	8	3.20962	1.13477
		Total Bacteria (Log DNA Copies/ml) POSTTEST	8.4428	8	5.65458	1.99919
Kel.3 Obesitas + Ekstrak Beras Hitam	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST	10.6447	9	7.18475	2.39492
		Total Bacteria (Log DNA Copies/ml) POSTTEST	14.3528	9	3.24143	1.08048

Paired Samples Correlations

Kelompok Sampel			N	Correlation	Sig.
Kel.1 Berat Badan Ideal + Plasebo	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST & Total Bacteria (Log DNA Copies/ml) POSTTEST	9	.416	.265
Kel.2 Obesitas + Placebo	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST & Total Bacteria (Log DNA Copies/ml) POSTTEST	8	.034	.937
Kel.3 Obesitas + Ekstrak Beras Hitam	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST & Total Bacteria (Log DNA Copies/ml) POSTTEST	9	-.372	.324

Paired Samples Test

Kelompok Sampel			Paired Differences					t	df	Sig. (2-tailed)
			Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
						Lower	Upper			
Kel.1 Berat Badan Ideal + Plasebo	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST - Total Bacteria (Log DNA Copies/ml) POSTTEST	-.88533	6.79141	2.26380	-6.10568	4.33501	-.391	8	.706
Kel.2 Obesitas + Placebo	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST - Total Bacteria (Log DNA Copies/ml) POSTTEST	5.46175	6.40693	2.26519	.10542	10.81808	2.411	7	.047
Kel.3 Obesitas + Ekstrak Beras Hitam	Pair 1	Total Bacteria (Log DNA Copies/ml) PRETEST - Total Bacteria (Log DNA Copies/ml) POSTTEST	-3.70811	8.91452	2.97151	-10.56042	3.14419	-1.248	8	.247

Correlations

Descriptive Statistics

Kelompok Sampel		Mean	Std. Deviation	N
Kel.1 Berat Badan Ideal + Plasebo	bifidobacterium (Log DNA Copies/ml) PRETEST	6.4622	1.19310	9
	Bacteroidetes (Log DNA Copies/ml) PRETEST	1.1089	1.30931	9
	Lactobacillus (Log DNA Copies/ml) PRETEST	5.8844	3.43321	9
	Clostridium L (Log DNA Copies/ml) PRETEST	2.4667	3.43152	9
	E.Coli ((Log DNA Copies/ml) PRETEST	1.7144	2.66393	9
	Total Bacteria (Log DNA Copies/ml) PRETEST	11.9387	6.98137	9
Kel.2 Obesitas + Placebo	bifidobacterium (Log DNA Copies/ml) PRETEST	5.9825	1.52423	8
	Bacteroidetes (Log DNA Copies/ml) PRETEST	3.4188	5.55576	8
	Lactobacillus (Log DNA Copies/ml) PRETEST	5.9163	2.28140	8
	Clostridium L (Log DNA Copies/ml) PRETEST	5.9863	4.88936	8
	E.Coli ((Log DNA Copies/ml) PRETEST	4.4600	3.10470	8
	Total Bacteria (Log DNA Copies/ml) PRETEST	13.9045	3.20962	8
Kel.3 Obesitas + Ekstrak Beras Hitam	bifidobacterium (Log DNA Copies/ml) PRETEST	5.4000	1.66704	9
	Bacteroidetes (Log DNA Copies/ml) PRETEST	1.7878	1.43903	9
	Lactobacillus (Log DNA Copies/ml) PRETEST	7.5933	.73389	9
	Clostridium L (Log DNA Copies/ml) PRETEST	6.3322	3.35303	9
	E.Coli ((Log DNA Copies/ml) PRETEST	1.9356	3.08066	9
	Total Bacteria (Log DNA Copies/ml) PRETEST	10.6447	7.18475	9

Correlations

Kelompok Sampel			bifidobacterium (Log DNA Copies/ml) PRETEST	Bacteroidetes (Log DNA Copies/ml) PRETEST	Lactobacillus (Log DNA Copies/ml) PRETEST	Clostridium L (Log DNA Copies/ml) PRETEST	E.Coli ((Log DNA Copies/ml) PRETEST	Total Bacteria (Log DNA Copies/ml) PRETEST
Kel.1 Berat Badan Ideal + Plasebo	bifidobacterium (Log DNA Copies/ml) PRETEST	Pearson Correlation	1	-.515	.091	-.533	-.667*	-.323
		Sig. (2-tailed)		.156	.816	.140	.050	.396
		Sum of Squares and Cross-products	11.388	-6.435	2.981	-17.445	-16.970	-21.533
		Covariance	1.423	-.804	.373	-2.181	-2.121	-2.692
		N	9	9	9	9	9	9
	Bacteroidetes (Log DNA Copies/ml) PRETEST	Pearson Correlation	-.515	1	.137	.722*	.803**	.492
		Sig. (2-tailed)	.156		.725	.028	.009	.179
		Sum of Squares and Cross-products	-6.435	13.714	4.929	25.964	22.418	35.956
		Covariance	-.804	1.714	.616	3.246	2.802	4.494
		N	9	9	9	9	9	9
	Lactobacillus (Log DNA Copies/ml) PRETEST	Pearson Correlation	.091	.137	1	-.363	-.051	.574
		Sig. (2-tailed)	.816	.725		.337	.896	.106
		Sum of Squares and Cross-products	2.981	4.929	94.295	-34.229	-3.733	110.048
		Covariance	.373	.616	11.787	-4.279	-.467	13.756
		N	9	9	9	9	9	9
	Clostridium L (Log DNA Copies/ml) PRETEST	Pearson Correlation	-.533	.722*	-.363	1	.898**	.087
		Sig. (2-tailed)	.140	.028	.337		.001	.825
		Sum of Squares and Cross-products	-17.445	25.964	-34.229	94.203	65.635	16.592
		Covariance	-2.181	3.246	-4.279	11.775	8.204	2.074
		N	9	9	9	9	9	9
	E.Coli ((Log DNA Copies/ml) PRETEST	Pearson Correlation	-.667*	.803**	-.051	.898**	1	.375
		Sig. (2-tailed)	.050	.009	.896	.001		.319
		Sum of Squares and Cross-products	-16.970	22.418	-3.733	65.635	56.772	55.862
		Covariance	-2.121	2.802	-.467	8.204	7.097	6.983
		N	9	9	9	9	9	9

	Total Bacteria (Log DNA Copies/ml) PRETEST	Pearson Correlation	-.323	.492	.574	.087	.375	1
		Sig. (2-tailed)	.396	.179	.106	.825	.319	
		Sum of Squares and Cross-products	-21.533	35.956	110.048	16.592	55.862	389.917
		Covariance	-2.692	4.494	13.756	2.074	6.983	48.740
		N	9	9	9	9	9	9
Kel.2 Obesitas + Placebo	bifidobacterium (Log DNA Copies/ml) PRETEST	Pearson Correlation	1	-.506	.123	-.408	.383	.391
		Sig. (2-tailed)		.201	.772	.315	.349	.338
		Sum of Squares and Cross-products	16.263	-29.969	2.994	-21.296	12.694	13.383
		Covariance	2.323	-4.281	.428	-3.042	1.813	1.912
		N	8	8	8	8	8	8
	Bacteroidetes (Log DNA Copies/ml) PRETEST	Pearson Correlation	-.506	1	.383	.021	-.621	-.362
		Sig. (2-tailed)	.201		.349	.961	.101	.378
		Sum of Squares and Cross-products	-29.969	216.065	33.977	3.911	-74.933	-45.243
		Covariance	-4.281	30.866	4.854	.559	-10.705	-6.463
		N	8	8	8	8	8	8
	Lactobacillus (Log DNA Copies/ml) PRETEST	Pearson Correlation	.123	.383	1	-.074	.065	-.108
		Sig. (2-tailed)	.772	.349		.861	.879	.800
		Sum of Squares and Cross-products	2.994	33.977	36.434	-5.801	3.218	-5.514
		Covariance	.428	4.854	5.205	-.829	.460	-.788
		N	8	8	8	8	8	8
	Clostridium L (Log DNA Copies/ml) PRETEST	Pearson Correlation	-.408	.021	-.074	1	.542	.441
		Sig. (2-tailed)	.315	.961	.861		.165	.275
		Sum of Squares and Cross-products	-21.296	3.911	-5.801	167.341	57.633	48.406
		Covariance	-3.042	.559	-.829	23.906	8.233	6.915
		N	8	8	8	8	8	8
	E.Coli ((Log DNA Copies/ml) PRETEST	Pearson Correlation	.383	-.621	.065	.542	1	.550
		Sig. (2-tailed)	.349	.101	.879	.165		.158
		Sum of Squares and Cross-products	12.694	-74.933	3.218	57.633	67.474	38.368
		Covariance	1.813	-10.705	.460	8.233	9.639	5.481
		N	8	8	8	8	8	8
	Total Bacteria (Log DNA Copies/ml) PRETEST	Pearson Correlation	.391	-.362	-.108	.441	.550	1
		Sig. (2-tailed)	.338	.378	.800	.275	.158	
		Sum of Squares and Cross-products	13.383	-45.243	-5.514	48.406	38.368	72.112
		Covariance	1.912	-6.463	-.788	6.915	5.481	10.302

Kel.3 Obesitas + Ekstrak Beras Hitam	bifidobacterium (Log DNA Copies/ml) PRETEST	N	8	8	8	8	8	8
		Pearson Correlation	1	.369	.560	.729*	.070	-.297
		Sig. (2-tailed)		.328	.117	.026	.858	.437
		Sum of Squares and Cross-products	22.232	7.090	5.478	32.613	2.878	-28.505
		Covariance	2.779	.886	.685	4.077	.360	-3.563
	Bacteroidetes (Log DNA Copies/ml) PRETEST	N	9	9	9	9	9	9
		Pearson Correlation	.369	1	.287	.438	.125	-.541
		Sig. (2-tailed)	.328		.454	.238	.749	.133
		Sum of Squares and Cross-products	7.090	16.567	2.426	16.913	4.435	-44.718
		Covariance	.886	2.071	.303	2.114	.554	-5.590
	Lactobacillus (Log DNA Copies/ml) PRETEST	N	9	9	9	9	9	9
		Pearson Correlation	.560	.287	1	.730*	.275	.106
		Sig. (2-tailed)	.117	.454		.026	.475	.787
		Sum of Squares and Cross-products	5.478	2.426	4.309	14.362	4.967	4.459
		Covariance	.685	.303	.539	1.795	.621	.557
	Clostridium L (Log DNA Copies/ml) PRETEST	N	9	9	9	9	9	9
		Pearson Correlation	.729*	.438	.730*	1	.494	-.239
		Sig. (2-tailed)	.026	.238	.026		.177	.536
		Sum of Squares and Cross-products	32.613	16.913	14.362	89.942	40.800	-46.038
		Covariance	4.077	2.114	1.795	11.243	5.100	-5.755
	E.Coli ((Log DNA Copies/ml) PRETEST	N	9	9	9	9	9	9
		Pearson Correlation	.070	.125	.275	.494	1	-.036
		Sig. (2-tailed)	.858	.749	.475	.177		.926
		Sum of Squares and Cross-products	2.878	4.435	4.967	40.800	75.924	-6.449
		Covariance	.360	.554	.621	5.100	9.490	-.806
	Total Bacteria (Log DNA Copies/ml) PRETEST	N	9	9	9	9	9	9
		Pearson Correlation	-.297	-.541	.106	-.239	-.036	1
		Sig. (2-tailed)	.437	.133	.787	.536	.926	
		Sum of Squares and Cross-products	-28.505	-44.718	4.459	-46.038	-6.449	412.965
		Covariance	-3.563	-5.590	.557	-5.755	-.806	51.621

N	9	9	9	9	9	9

*. Correlation is significant at the 0.05 level (2-tailed).
**. Correlation is significant at the 0.01 level (2-tailed).

Correlations

Descriptive Statistics

Kelompok Sampel		Mean	Std. Deviation	N
Kel.1 Berat Badan Ideal + Plasebo	bifidobacterium (Log DNA Copies/ml) POSTTEST	6.4200	2.44978	9
	Bacteroidetes (Log DNA Copies/ml) POSTTEST	2.2389	3.17583	9
	Lactobacillus (Log DNA Copies/ml) POSTTEST	6.3889	3.02783	9
	Clostridium L (Log DNA Copies/ml) POSTTEST	5.8344	2.28684	9
	E.Coli ((Log DNA Copies/ml) POSTTEST	5.3667	2.40761	9
	Total Bacteria (Log DNA Copies/ml) POSTTEST	12.8240	5.31950	9
Kel.2 Obesitas + Placebo	bifidobacterium (Log DNA Copies/ml) POSTTEST	5.1650	1.67579	8
	Bacteroidetes (Log DNA Copies/ml) POSTTEST	.6925	1.04608	8
	Lactobacillus (Log DNA Copies/ml) POSTTEST	5.7963	1.50080	8
	Clostridium L (Log DNA Copies/ml) POSTTEST	4.6488	3.43644	8
	E.Coli ((Log DNA Copies/ml) POSTTEST	6.0850	1.65923	8
	Total Bacteria (Log DNA Copies/ml) POSTTEST	8.4428	5.65458	8
Kel.3 Obesitas + Ekstrak Beras Hitam	bifidobacterium (Log DNA Copies/ml) POSTTEST	7.0978	1.09985	9
	Bacteroidetes (Log DNA Copies/ml) POSTTEST	3.8178	1.96887	9
	Lactobacillus (Log DNA Copies/ml) POSTTEST	6.1878	1.01824	9
	Clostridium L (Log DNA Copies/ml) POSTTEST	4.9767	2.81555	9
	E.Coli ((Log DNA Copies/ml) POSTTEST	4.6700	3.64406	9

Total Bacteria (Log DNA Copies/ml) POSTTEST	14.3528	3.24143	9

Correlations

Kelompok Sampel			bifidobacterium (Log DNA Copies/ml) POSTTEST	Bacteroidetes (Log DNA Copies/ml) POSTTEST	Lactobacillus (Log DNA Copies/ml) POSTTEST	Clostridium L (Log DNA Copies/ml) POSTTEST	E.Coli ((Log DNA Copies/ml) POSTTEST	Total Bacteria (Log DNA Copies/ml) POSTTEST
Kel.1 Berat Badan Ideal + Plasebo	bifidobacterium (Log DNA Copies/ml) POSTTEST	Pearson Correlation	1	-.228	.154	-.312	-.159	-.321
		Sig. (2-tailed)		.555	.692	.414	.682	.400
		Sum of Squares and Cross-products	48.011	-14.209	9.149	-13.976	-7.520	-33.422
		Covariance	6.001	-1.776	1.144	-1.747	-.940	-4.178
		N	9	9	9	9	9	9
	Bacteroidetes (Log DNA Copies/ml) POSTTEST	Pearson Correlation	-.228	1	-.498	-.109	.168	.141
		Sig. (2-tailed)	.555		.172	.780	.665	.717
		Sum of Squares and Cross-products	-14.209	80.687	-38.308	-6.350	10.284	19.102
		Covariance	-1.776	10.086	-4.789	-.794	1.285	2.388
		N	9	9	9	9	9	9
	Lactobacillus (Log DNA Copies/ml) POSTTEST	Pearson Correlation	.154	-.498	1	.390	.117	-.361
		Sig. (2-tailed)	.692	.172		.299	.765	.340
		Sum of Squares and Cross-products	9.149	-38.308	73.342	21.613	6.803	-46.484
		Covariance	1.144	-4.789	9.168	2.702	.850	-5.811
		N	9	9	9	9	9	9
	Clostridium L (Log DNA Copies/ml) POSTTEST	Pearson Correlation	-.312	-.109	.390	1	.175	-.485
		Sig. (2-tailed)	.414	.780	.299		.652	.186
		Sum of Squares and Cross-products	-13.976	-6.350	21.613	41.837	7.718	-47.212
		Covariance	-1.747	-.794	2.702	5.230	.965	-5.902
		N	9	9	9	9	9	9

		Pearson Correlation	-.159	.168	.117	.175	1	-.400
		Sig. (2-tailed)	.682	.665	.765	.652		.287
	E.Coli ((Log DNA Copies/ml) POSTTEST	Sum of Squares and Cross-products	-7.520	10.284	6.803	7.718	46.373	-40.950
		Covariance	-.940	1.285	.850	.965	5.797	-5.119
		N	9	9	9	9	9	9
		Pearson Correlation	-.321	.141	-.361	-.485	-.400	1
		Sig. (2-tailed)	.400	.717	.340	.186	.287	
	Total Bacteria (Log DNA Copies/ml) POSTTEST	Sum of Squares and Cross-products	-33.422	19.102	-46.484	-47.212	-40.950	226.376
		Covariance	-4.178	2.388	-5.811	-5.902	-5.119	28.297
		N	9	9	9	9	9	9
Kel.2 Obesitas + Placebo	bifidobacterium (Log DNA Copies/ml) POSTTEST	Pearson Correlation	1	.271	.724*	.289	.617	.116
		Sig. (2-tailed)		.516	.042	.487	.103	.784
		Sum of Squares and Cross-products	19.658	3.326	12.739	11.653	12.015	7.702
		Covariance	2.808	.475	1.820	1.665	1.716	1.100
		N	8	8	8	8	8	8
	Bacteroidetes (Log DNA Copies/ml) POSTTEST	Pearson Correlation	.271	1	-.209	.132	-.485	-.063
		Sig. (2-tailed)	.516		.619	.755	.224	.883
		Sum of Squares and Cross-products	3.326	7.660	-2.298	3.321	-5.889	-2.591
		Covariance	.475	1.094	-.328	.474	-.841	-.370
		N	8	8	8	8	8	8
	Lactobacillus (Log DNA Copies/ml) POSTTEST	Pearson Correlation	.724*	-.209	1	.161	.835**	.382
		Sig. (2-tailed)	.042	.619		.703	.010	.351
		Sum of Squares and Cross-products	12.739	-2.298	15.767	5.822	14.553	22.669
		Covariance	1.820	-.328	2.252	.832	2.079	3.238
		N	8	8	8	8	8	8
	Clostridium L (Log DNA Copies/ml) POSTTEST	Pearson Correlation	.289	.132	.161	1	-.103	.739*
		Sig. (2-tailed)	.487	.755	.703		.808	.036
		Sum of Squares and Cross-products	11.653	3.321	5.822	82.664	-4.119	100.543
		Covariance	1.665	.474	.832	11.809	-.588	14.363
		N	8	8	8	8	8	8
	E.Coli ((Log DNA Copies/ml) POSTTEST	Pearson Correlation	.617	-.485	.835**	-.103	1	.122
		Sig. (2-tailed)	.103	.224	.010	.808		.774
		Sum of Squares and Cross-products	12.015	-5.889	14.553	-4.119	19.271	8.004

		Covariance	1.716	-.841	2.079	-.588	2.753	1.143
		N	8	8	8	8	8	8
		Pearson Correlation	.116	-.063	.382	.739*	.122	1
		Sig. (2-tailed)	.784	.883	.351	.036	.774	
	Total Bacteria (Log DNA Copies/ml) POSTTEST	Sum of Squares and Cross-products	7.702	-2.591	22.669	100.543	8.004	223.820
		Covariance	1.100	-.370	3.238	14.363	1.143	31.974
		N	8	8	8	8	8	8
Kel.3 Obesitas + Ekstrak Beras Hitam	bifidobacterium (Log DNA Copies/ml) POSTTEST	Pearson Correlation	1	.210	-.650	.037	.026	.245
		Sig. (2-tailed)		.587	.058	.925	.947	.526
		Sum of Squares and Cross-products	9.677	3.641	-5.824	.916	.839	6.974
		Covariance	1.210	.455	-.728	.115	.105	.872
		N	9	9	9	9	9	9
	Bacteroidetes (Log DNA Copies/ml) POSTTEST	Pearson Correlation	.210	1	-.033	-.092	-.358	.627
		Sig. (2-tailed)	.587		.933	.813	.344	.071
		Sum of Squares and Cross-products	3.641	31.012	-.529	-4.096	-20.550	32.013
		Covariance	.455	3.876	-.066	-.512	-2.569	4.002
		N	9	9	9	9	9	9
	Lactobacillus (Log DNA Copies/ml) POSTTEST	Pearson Correlation	-.650	-.033	1	-.060	-.556	.063
		Sig. (2-tailed)	.058	.933		.878	.120	.871
		Sum of Squares and Cross-products	-5.824	-.529	8.295	-1.383	-16.513	1.673
		Covariance	-.728	-.066	1.037	-.173	-2.064	.209
		N	9	9	9	9	9	9
	Clostridium L (Log DNA Copies/ml) POSTTEST	Pearson Correlation	.037	-.092	-.060	1	.231	-.185
		Sig. (2-tailed)	.925	.813	.878		.549	.635
		Sum of Squares and Cross-products	.916	-4.096	-1.383	63.419	18.999	-13.475
		Covariance	.115	-.512	-.173	7.927	2.375	-1.684
		N	9	9	9	9	9	9
	E.Coli ((Log DNA Copies/ml) POSTTEST	Pearson Correlation	.026	-.358	-.556	.231	1	-.742*
		Sig. (2-tailed)	.947	.344	.120	.549		.022
		Sum of Squares and Cross-products	.839	-20.550	-16.513	18.999	106.233	-70.148
		Covariance	.105	-2.569	-2.064	2.375	13.279	-8.768

	N	9	9	9	9	9	9
	Pearson Correlation	.245	.627	.063	-.185	-.742*	1
	Sig. (2-tailed)	.526	.071	.871	.635	.022	
Total Bacteria (Log DNA Copies/ml) POSTTEST	Sum of Squares and Cross-products	6.974	32.013	1.673	-13.475	-70.148	84.055
	Covariance	.872	4.002	.209	-1.684	-8.768	10.507
	N	9	9	9	9	9	9

*. Correlation is significant at the 0.05 level (2-tailed).
**. Correlation is significant at the 0.01 level (2-tailed).

Regression

Variables Entered/Removed[a]

Kelompok Sampel	Model	Variables Entered	Variables Removed	Method
Kel.1 Berat Badan Ideal + Plasebo	1	E.Coli ((Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST[b]	.	Enter
Kel.2 Obesitas + Placebo	1	E.Coli ((Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST[b]	.	Enter

Kel.3 Obesitas + Ekstrak Beras Hitam	1	E.Coli ((Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST[b]	.	Enter

a. Dependent Variable: Total Bacteria (Log DNA Copies/ml) PRETEST
b. All requested variables entered.

Model Summary

Kelompok Sampel	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Kel.1 Berat Badan Ideal + Plasebo	1	.767[a]	.589	-.096	7.30990
Kel.2 Obesitas + Placebo	1	.818[a]	.669	-.157	3.45302
Kel.3 Obesitas + Ekstrak Beras Hitam	1	.684[b]	.468	-.419	8.55844

a. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST
b. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST

Uji Anova

ANOVA[a]

Kelompok Sampel	Model		Sum of Squares	df	Mean Square	F	Sig.
Kel.1 Berat Badan Ideal + Plasebo	1	Regression	229.613	5	45.923	.859	.590[b]
		Residual	160.304	3	53.435		
		Total	389.917	8			
Kel.2 Obesitas + Placebo	1	Regression	48.265	5	9.653	.810	.634[b]
		Residual	23.847	2	11.923		
		Total	72.112	7			
Kel.3 Obesitas + Ekstrak Beras Hitam	1	Regression	193.225	5	38.645	.528	.752[c]
		Residual	219.741	3	73.247		
		Total	412.965	8			

a. Dependent Variable: Total Bacteria (Log DNA Copies/ml) PRETEST
b. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST
c. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) PRETEST, bifidobacterium (Log DNA Copies/ml) PRETEST, Bacteroidetes (Log DNA Copies/ml) PRETEST, Lactobacillus (Log DNA Copies/ml) PRETEST, Clostridium L (Log DNA Copies/ml) PRETEST

Coefficients[a]

Kelompok Sampel	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Kel.1 Berat Badan Ideal + Plasebo	1	(Constant)	9.932	20.784		.478	.665
		bifidobacterium (Log DNA Copies/ml) PRETEST	-.412	3.163	-.070	-.130	.905
		Bacteroidetes (Log DNA Copies/ml) PRETEST	2.221	3.709	.417	.599	.591
		Lactobacillus (Log DNA Copies/ml) PRETEST	.513	1.286	.252	.399	.716
		Clostridium L (Log DNA Copies/ml) PRETEST	-1.738	2.832	-.854	-.614	.583
		E.Coli ((Log DNA Copies/ml) PRETEST	2.027	3.614	.773	.561	.614
Kel.2 Obesitas +	1	(Constant)	-.138	9.758		-.014	.990

Placebo		bifidobacterium (Log DNA Copies/ml) PRETEST	2.143	1.547	1.018	1.385	.300
		Bacteroidetes (Log DNA Copies/ml) PRETEST	-.223	.533	-.386	-.419	.716
		Lactobacillus (Log DNA Copies/ml) PRETEST	.088	.858	.063	.102	.928
		Clostridium L (Log DNA Copies/ml) PRETEST	.850	.674	1.295	1.261	.334
		E.Coli ((Log DNA Copies/ml) PRETEST	-.813	1.317	-.786	-.617	.600
Kel.3 Obesitas + Ekstrak Beras Hitam	1	(Constant)	-19.021	41.714		-.456	.679
		bifidobacterium (Log DNA Copies/ml) PRETEST	-.985	3.040	-.229	-.324	.767
		Bacteroidetes (Log DNA Copies/ml) PRETEST	-2.492	2.362	-.499	-1.055	.369
		Lactobacillus (Log DNA Copies/ml) PRETEST	5.698	6.108	.582	.933	.420
		Clostridium L (Log DNA Copies/ml) PRETEST	-.623	2.105	-.291	-.296	.786
		E.Coli ((Log DNA Copies/ml) PRETEST	.060	1.311	.026	.046	.966

a. Dependent Variable: Total Bacteria (Log DNA Copies/ml) PRETEST

Regression

Variables Entered/Removed[a]

Kelompok Sampel	Model	Variables Entered	Variables Removed	Method
Kel.1 Berat Badan Ideal + Plasebo	1	E.Coli ((Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST[b]	.	Enter
Kel.2 Obesitas + Placebo	1	E.Coli ((Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST[b]	.	Enter

Kel.3 Obesitas + Ekstrak Beras Hitam	1	E.Coli ((Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST[b]	.	Enter

a. Dependent Variable: Total Bacteria (Log DNA Copies/ml) POSTTEST
b. All requested variables entered.

Model Summary

Kelompok Sampel	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Kel.1 Berat Badan Ideal + Plasebo	1	.790[a]	.625	.000	5.32057
Kel.2 Obesitas + Placebo	1	.971[b]	.943	.802	2.51655
Kel.3 Obesitas + Ekstrak Beras Hitam	1	.901[c]	.813	.500	2.29191

a. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST
b. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST
c. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST

ANOVA[a]

Kelompok Sampel	Model		Sum of Squares	df	Mean Square	F	Sig.
Kel.1 Berat Badan Ideal + Plasebo	1	Regression	141.451	5	28.290	.999	.535[b]
		Residual	84.925	3	28.308		
		Total	226.376	8			
Kel.2 Obesitas + Placebo	1	Regression	211.154	5	42.231	6.668	.136[c]
		Residual	12.666	2	6.333		

		Total	223.820	7			
Kel.3 Obesitas + Ekstrak Beras Hitam	1	Regression	68.296	5	13.659	2.600	.231[d]
		Residual	15.759	3	5.253		
		Total	84.055	8			

a. Dependent Variable: Total Bacteria (Log DNA Copies/ml) POSTTEST
b. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST
c. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST
d. Predictors: (Constant), E.Coli ((Log DNA Copies/ml) POSTTEST, bifidobacterium (Log DNA Copies/ml) POSTTEST, Clostridium L (Log DNA Copies/ml) POSTTEST, Bacteroidetes (Log DNA Copies/ml) POSTTEST, Lactobacillus (Log DNA Copies/ml) POSTTEST

Coefficients[a]

Kelompok Sampel	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Kel.1 Berat Badan Ideal + Plasebo	1	(Constant)	33.217	10.104		3.287	.046
		bifidobacterium (Log DNA Copies/ml) POSTTEST	-1.231	.866	-.567	-1.422	.250
		Bacteroidetes (Log DNA Copies/ml) POSTTEST	.033	.715	.020	.046	.966
		Lactobacillus (Log DNA Copies/ml) POSTTEST	.026	.811	.015	.033	.976
		Clostridium L (Log DNA Copies/ml) POSTTEST	-1.389	.982	-.597	-1.415	.252
		E.Coli ((Log DNA Copies/ml) POSTTEST	-.863	.826	-.390	-1.045	.373
Kel.2 Obesitas + Placebo	1	(Constant)	-13.414	6.296		-2.131	.167
		bifidobacterium (Log DNA Copies/ml) POSTTEST	-5.594	1.734	-1.658	-3.226	.084
		Bacteroidetes (Log DNA Copies/ml) POSTTEST	5.309	2.302	.982	2.307	.147
		Lactobacillus (Log DNA Copies/ml) POSTTEST	1.860	1.415	.494	1.314	.319
		Clostridium L (Log DNA Copies/ml) POSTTEST	1.886	.405	1.146	4.655	.904
		E.Coli ((Log DNA Copies/ml) POSTTEST	4.524	2.268	1.327	1.995	.184
Kel.3 Obesitas + Ekstrak Beras Hitam	1	(Constant)	30.043	17.880		1.680	.191
		bifidobacterium (Log DNA Copies/ml) POSTTEST	-.446	1.157	-.151	-.386	.725
		Bacteroidetes (Log DNA Copies/ml) POSTTEST	.506	.462	.308	1.096	.353

Lactobacillus (Log DNA Copies/ml) POSTTEST	-1.737	1.537	-.546	-1.130	.341
Clostridium L (Log DNA Copies/ml) POSTTEST	.039	.300	.034	.131	.043
E.Coli ((Log DNA Copies/ml) POSTTEST	-.836	.356	-.940	-2.349	.100

a. Dependent Variable: Total Bacteria (Log DNA Copies/ml) POSTTEST

LAMPIRAN 6. DAFTAR SAMPEL MIKROBIOTA & TOTAL BACTERIA

	bifidobacterium (Log DNA Copies/ml)		Bacteroidetes (Log DNA Copies/ml)		Lactobacillus (Log DNA Copies/ml)		Clostridium L (Log DNA Copies/ml)		E.Coli ((Log DNA Copies/ml)		Total Bacteria (Log DNA Copies/ml)	
	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post	Pre	Post
Kel.1 Berat Badan Ideal + Plasebo	6.4	5.61	0	6.37	7.34	0	0	2.38	0.00	5.62	16.374	17.458
	6.42	3.13	2.08	1.16	7.51	8.52	0	3.26	0.00	3.54	14.363	13.481
	6.35	8.31	0	0.03	0	8.05	3.65	8.58	0.00	6.83	0.000	0.000
	7.38	8.94	0.31	0.13	6.46	6.84	0	3.12	0.00	5.30	15.217	12.663
	5.55	1.07	3.78	3.03	8.47	7.7	8.36	7.26	6.66	6.75	17.185	12.353
	4.21	6.11	1.3	0	7.8	10.01	2.63	6.41	3.33	8.31	17.540	15.035
	8.28	6.34	0	8.14	8.33	6.31	0	7.81	0.00	6.57	14.456	10.727
	7.53	5.83	0	0.63	6.45	6.84	0	7.02	0.00	0.00	0.000	17.771
	6.04	5.72	1.91	0	0	3.23	6.36	6.67	4.84	5.38	11.713	15.262
Total Bacteria	0.905	0.25	0.591	0.966	0.716	0.976	0.583	0.252	0.614	0.373	11.939	12.824
Kel.2 Obesitas + Placebo	7.02	7.21	0.87	0	7.32	8.75	6.35	8.02	6.81	8.86	15.721	16.446
	7.63	6.63	2.52	2.68	6.15	5.53	2.6	6.63	5.22	5.22	17.739	11.278
	5.47	6.28	0.8	0	3.23	5.37	16.13	0	8.25	8.25	18.608	0.000
	3.75	4.33	17	1.82	8.23	4.36	7.46	6.17	0.00	4.11	11.223	4.370
	5.75	5.73	2.37	0	1.84	6.13	0	8.03	0.00	5.35	11.138	3.072
	5.75	4.83	1.73	1	6.27	6.73	6.16	0	7.10	6.16	3.766	5.731
	4.37	2.47	0	0.04	6.03	4.16	6.75	1.94	3.37	4.81	13.437	5.313
	8.06	3.12	2	0	7.66	4.68	2.38	6.4	4.33	5.32	13.484	15.272
Total Bacteria	0.3	0.084	0.716	0.147	0.928	0.319	0.334	0.043	0.6	0.184	13.905	8.443
Kel.3 Obesitas + Ekstrak Beras Hitam	3.77	6.35	1.84	6.57	7.62	6.13	1.24	1.21	0.00	0.00	15.844	18.381
	4.22	4.33	1.83	3.21	8.14	6.38	8.37	7.37	4.33	8.06	16.322	12.581
	5.83	6.46	0	1.14	8.21	7.63	6.16	5.43	0.00	0.00	18.180	14.171
	6.88	7.22	1.83	2.65	7.77	6.16	8.3	8	8.15	5.46	11.600	12.100
	7.23	7.22	0.83	4.24	7.73	6.32	7.84	6	0.00	7.38	5.183	13.028
	4.63	3.13	2.58	3.11	7.78	3.82	7.3	6.68	4.28	8.57	0.000	13.741
	7.03	7.83	4.64	7.06	7.53	6.65	7.76	6.66	0.00	0.00	0.000	20.477
	2.56	7.05	0	2.06	5.72	6	0	0	0.00	5.53	11.856	14.788
	6.33	6.37	2.48	4.32	7.78	6.54	8.22	3.38	0.00	6.37	16.211	3.308
Total Bacteria	0.767	0.725	0.369	0.353	0.42	0.341	0.786	0.904	0.966	0.1	10.645	14.353
RERATA	5.56518	5.832642857	1.95454	2.184392857	6.08121	5.744821429	4.5713	4.81375	2.4309	4.984535714	12.15468	11.90704664
ST.DEVIASI	2.001883133	2.454289672	3.183157418	2.485800003	2.798965806	2.396796366	4.1683864	2.989625018	3.02145755	2.906453795	5.848570318	5.108077351

LAMPIRAN 1. LAPORAN PENGUJIAN ANALISIS CEMARAN MIKROBA/MIKROBIOLOGI

LABORATORIUM MIKROBIOLOGI
FAKULTAS FARMASI
UNIVERSITAS HASANUDDIN
Jl. Perintis Kemerdekaan KM 10 Tamalanrea makassar.

LAPORAN PENGUJIAN

No : 001 / Lab. Mikfar / II /2021

Nama Pelanggan : Armanto Makmun

Sampel / Contoh : Ekstrak Beras Hitam

Analisis / Uji : Analisis Cemaran Mikroba / Mikrobiologi

Tanggal Terima : 11/ 01/ 2021

Tanggal Analisa : 08/ 02 / 2021

Hasil

No.	Kode / Nama Sampel	Jenis Pengujian	Hasil Pengujian	Syarat per gram atau mL (Standar BPOM Tahun 2019)	Metode Uji
1.	Ekstrak Beras Hitam	Angka Lempeng Total (ALT)	4.6×10^3 koloni/g	Tidak lebih dari 10^3 koloni / g atau koloni / mL	BPOM No.13 Tahun 2019
		Staphylococcus aureus	Negatf	Negatif per 0.1 g atau 0.1 mL sampel (contoh uji)	
		Salmonella sp	Negatif	Negatif per 0.1 g atau 0.1 mL sampel (contoh uji)	

Makassar, 10 Februari 2021

Kepala Labbratorium Mikrobiologi

Dr. Herlina Rante, S.Si, M.Si, Apt

Nip. 19771125 200212 2 003

LAMPIRAN 2. DATA HASIL ANALISA KADAR ETANOL

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
POLITEKNIK NEGERI UJUNG PANDANG
Jalan Perintis Kemerdekaan Km. 10 Tamalanrea, Makassar 90245
Telepon: (0411)-585365, 585367, 585368; Faksimili: (0411)-586043
Website : http://www.poliupg.ac.id/
E-Mail : pnup@poliupg.ac.id

HASIL ANALISA KADAR ETANOL

Berdasarkan hasil dari data kromatogram GC-FID (Gas Chromatography-Flame Ionization Detector) dibawah ini kami lampirkan tabel kadar etanol pada sampel uji:

TABEL1. DATA KROMATOGRAM

SAMPEL	RET. TIME	AREA
BERAS HITAM	3.002	1548
ETANOL 70%	2.961	18524874

Perhitungan:

$$\% \text{ Etanol} = \frac{\text{Area Sampel} \quad x100\%}{\text{Area STD Etanol}}$$

$$= \frac{1548 \ x \ 100\%}{18524874}$$

$$= \mathbf{5{,}8X10^{-3}}$$

Makassar, 8 Oktober 2020

Akhmad Rifai, S.Si., M.Si.
PLP Lab.Analitik Instrumen

LAMPIRAN 9. FOTO KEGIATAN PENELITIAN

1.Persiapan alat dan bahan

2.Proses penimbangan beras hitam

3. Proses pengadukan sampel dengan batang pengaduk

4. Proses sonikasi

5. Proses ekstraksi

6. Proses penyaringan

7. Proses beras hitam didiamkan

8. Proses vapor

9. Hasil akhir minum kesehatan beras hitam