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LAMPIRA
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DATA HASIL PEMERIKSAAN PADA TIKUS

Tikus Penelitian	KADAR GLUKOSA DARAH											
	Larutan CMC			Sirup Kurma			Sirup Bee Pollen			Sirup Kombinasi		
	Pre	Mid	Post	Pre	Mid	Post	Pre	Mid	Post	Pre	Mid	Post
1	97	84	87	110	70	82	78	84	128	87	89	83
2	92	77	78	84	69	67	87	76	98	98	83	95
3	98	80	99	69	100	43	79	81	76	82	95	72
4	82	81	73	79	76	68	87	85	87	98	100	86
5	106	70	89	119	97	107	90	89	70	96	84	82
6	110	81	100	76	81	99	74	72	60	85	80	90
7	70	88	85	81	98	81	94	91	70	110	98	75

Kelompok	WAKTU PENGUKURAN BERAT BADAN							
	BB_Hari 0	BB_Hari 3	BB_Hari 6	BB_Hari 9	BB_Hari 13	BB_Hari 15	BB_Hari 18	BB_Hari 20
CMC 1	179	179	185	200	198	210	229	237
CMC 2	179	177	186	198	203	221	228	232
CMC 3	187	189	197	207	207	217	229	235
CMC 4	195	193	200	209	212	225	236	243
CMC 5	180	178	185	195	190	202	215	221
CMC 6	200	201	209	220	220	245	253	260
CMC 7	195	198	210	218	221	238	251	256
Kurma 1	187	187	196	212	220	235	248	258
Kurma 2	182	184	190	209	227	236	253	265
Kurma 3	169	167	173	182	180	195	224	237
Kurma 4	190	191	200	216	230	227	243	255
Kurma 5	200	202	209	219	231	237	256	265
Kurma 6	178	181	187	199	202	218	240	250
Kurma 7	199	204	210	225	237	246	260	268

Bee Pollen 1	175	173	185	180	195	207	221	223
Bee Pollen 2	180	175	192	182	200	216	225	230
Bee Pollen 3	182	182	198	198	212	225	238	245
Bee Pollen 4	190	192	205	201	214	224	238	250
Bee Pollen 5	203	204	219	213	230	243	260	258
Bee Pollen 6	205	200	218	219	234	245	258	268
Bee Pollen 7	184	180	197	188	202	213	225	235
Kombinasi 1	185	187	202	210	214	240	245	262
Kombinasi 2	179	183	195	204	226	229	235	248
Kombinasi 3	197	198	213	222	224	252	254	268
Kombinasi 4	200	200	218	228	231	258	265	276
Kombinasi 5	195	200	216	225	230	234	262	275
Kombinasi 6	180	179	193	204	225	228	235	250
Kombinasi 7	205	206	218	230	231	260	263	276

Kelompok	JUMLAH KOMSUMSI PAKAN HARIAN (g)																			
	WAKTU PENGUKURAN																			
	Hari 1	Hari 2	Hari 3	Hari 4	Hari 5	Hari 6	Hari 7	Hari 8	Hari 9	Hari 10	Hari 11	Hari 12	Hari 13	Hari 14	Hari 15	Hari 16	Hari 17	Hari 18	Hari 19	Hari 20
CMC 1	15	15	14	15	16	18	18	18	19	20	20	19	21	20	21	22	23	24	25	27
CMC 2	16	18	17	18	17	19	20	20	19	21	20	22	22	22	25	26	25	25	25	26
CMC 3	18	17	14	17	16	18	20	19	20	20	21	20	19	22	23	20	23	23	24	26
CMC 4	17	15	15	16	17	18	19	18	20	22	23	21	22	22	21	23	23	24	23	25
CMC 5	15	16	16	17	18	17	19	20	19	19	18	19	20	20	18	17	19	22	23	23
CMC 6	17	16	18	17	18	18	19	19	20	19	20	22	23	21	22	21	21	23	24	26
CMC 7	16	15	17	18	17	18	18	19	17	20	19	21	22	21	21	23	24	25	25	26
Kurma 1	15	14	16	16	15	16	17	19	19	17	18	18	19	20	18	19	20	21	23	24
Kurma 2	16	15	16	17	16	18	17	18	17	19	20	21	20	21	23	24	25	25	26	27
Kurma 3	16	17	15	16	17	19	18	17	19	19	21	23	20	22	24	23	23	23	26	25
Kurma 4	16	17	18	17	16	18	19	19	18	20	21	20	21	21	20	22	22	24	25	25
Kurma 5	18	19	19	18	18	20	20	20	19	20	19	20	21	20	22	23	25	25	26	29
Kurma 6	16	16	17	18	18	19	20	19	20	21	20	19	21	18	20	23	25	24	23	25
Kurma 7	19	19	20	19	20	21	21	22	23	24	23	22	23	22	21	23	24	25	26	26
Bee Pollen 1	14	14	13	15	15	16	15	16	17	16	15	14	16	17	18	19	20	19	21	22
Bee Pollen 2	15	17	16	19	18	21	20	21	20	22	21	20	21	22	23	24	25	26	25	26
Bee Pollen 3	16	14	17	17	16	18	19	21	20	21	20	23	21	22	23	24	25	24	25	26

Bee Pollen 4	17	18	18	19	19	20	18	19	21	21	20	21	23	21	21	22	23	24	27	26
Bee Pollen 5	19	19	18	19	18	19	19	20	21	20	21	22	22	20	23	23	25	26	27	27
Bee Pollen 6	17	17	18	18	17	18	19	22	22	21	20	22	21	23	23	22	23	24	25	26
Bee Pollen 7	12	15	15	14	16	17	17	19	18	20	20	20	19	21	21	22	22	23	23	22
Kombinasi 1	18	17	17	18	18	19	18	20	22	22	23	24	24	26	26	25	27	27	27	28
Kombinasi 2	16	16	17	17	17	18	17	18	19	19	20	20	20	21	22	23	23	25	27	27
Kombinasi 3	20	19	19	18	19	19	20	20	21	20	21	21	22	22	23	25	27	27	26	29
Kombinasi 4	18	19	19	20	20	23	22	23	21	21	22	21	23	22	21	22	23	24	25	25
Kombinasi 5	19	19	18	20	20	20	21	21	23	22	21	21	22	22	23	23	24	25	24	25
Kombinasi 6	18	16	17	18	19	19	18	19	19	20	20	20	19	22	23	22	20	23	23	23
Kombinasi 7	18	18	17	18	19	18	20	20	20	21	20	22	22	21	22	23	23	24	25	25

HASIL UJI SPSS

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		84
Normal Parameters[a,b]	Mean	.0000000
	Std. Deviation	13.06259040
Most Extreme Differences	Absolute	.076
	Positive	.076
	Negative	-.058
Test Statistic		.076
Asymp. Sig. (2-tailed)		.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

Descriptive Statistics

Dependent Variable: Kadar Glukosa Darah

Sirup Intervensi	Waktu Pengukuran	Interaksi Sirup dengan Waktu Pengukuran	Mean	Std. Deviation	N
Kontrol CMC	Pre Test	Kontrol _ Pre Test	93.57	13.831	7
		Total	93.57	13.831	7
	Mid Test	Kontrol _ Mid Test	80.14	5.640	7
		Total	80.14	5.640	7
	Post Test	Kontrol _Post test	87.29	9.979	7
		Total	87.29	9.979	7
	Total	Kontrol _ Pre Test	93.57	13.831	7
		Kontrol _ Mid Test	80.14	5.640	7
		Kontrol _Post test	87.29	9.979	7
		Total	87.00	11.331	21
Sirup Kurma	Pre Test	Kurma _Pre Test	88.29	18.688	7
		Total	88.29	18.688	7
	Mid Test	Kurma_Mid Test	84.43	13.624	7
		Total	84.43	13.624	7
	Post Test	Kurma _Post Test	78.14	21.420	7

		Total	78.14	21.420	7
	Total	Kurma _Pre Test	88.29	18.688	7
		Kurma_Mid Test	84.43	13.624	7
		Kurma _Post Test	78.14	21.420	7
		Total	83.62	17.789	21
Sirup Bee Pollen	Pre Test	Bee Pollen_Pre Test	84.14	7.244	7
		Total	84.14	7.244	7
	Mid Test	Bee Pollen_Mid Test	82.57	6.803	7
		Total	82.57	6.803	7
	Post Test	Bee Pollen _ Post Test	84.14	22.996	7
		Total	84.14	22.996	7
	Total	Bee Pollen_Pre Test	84.14	7.244	7
		Bee Pollen_Mid Test	82.57	6.803	7
		Bee Pollen _ Post Test	84.14	22.996	7
		Total	83.62	13.742	21
Sirup Kombinasi	Pre Test	Kombinasi_Pre Test	93.71	9.708	7
		Total	93.71	9.708	7
	Mid Test	Kombinasi_Mid Test	89.86	7.904	7
		Total	89.86	7.904	7
	Post Test	Kombinasi_Post Test	83.29	8.036	7
		Total	83.29	8.036	7
	Total	Kombinasi_Pre Test	93.71	9.708	7
		Kombinasi_Mid Test	89.86	7.904	7
		Kombinasi_Post Test	83.29	8.036	7
		Total	88.95	9.265	21
Total	Pre Test	Kontrol _ Pre Test	93.57	13.831	7
		Kurma _Pre Test	88.29	18.688	7
		Bee Pollen_Pre Test	84.14	7.244	7
		Kombinasi_Pre Test	93.71	9.708	7
		Total	89.93	13.010	28
	Mid Test	Kontrol _ Mid Test	80.14	5.640	7
		Kurma_Mid Test	84.43	13.624	7
		Bee Pollen_Mid Test	82.57	6.803	7
		Kombinasi_Mid Test	89.86	7.904	7
		Total	84.25	9.260	28
	Post Test	Kontrol _Post test	87.29	9.979	7
		Kurma _Post Test	78.14	21.420	7

		Bee Pollen _ Post Test	84.14	22.996	7
		Kombinasi_Post Test	83.29	8.036	7
		Total	83.21	16.344	28
	Total	Kontrol _ Pre Test	93.57	13.831	7
		Kontrol _ Mid Test	80.14	5.640	7
		Kontrol _Post test	87.29	9.979	7
		Kurma _Pre Test	88.29	18.688	7
		Kurma_Mid Test	84.43	13.624	7
		Kurma _Post Test	78.14	21.420	7
		Bee Pollen_Pre Test	84.14	7.244	7
		Bee Pollen_Mid Test	82.57	6.803	7
		Bee Pollen _ Post Test	84.14	22.996	7
		Kombinasi_Pre Test	93.71	9.708	7
		Kombinasi_Mid Test	89.86	7.904	7
		Kombinasi_Post Test	83.29	8.036	7
		Total	85.80	13.367	84

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Kadar Glukosa Darah	Based on Mean	2.770	11	72	.005
	Based on Median	1.445	11	72	.172
	Based on Median and with adjusted df	1.445	11	32.310	.201
	Based on trimmed mean	2.613	11	72	.007

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Kadar Glukosa Darah

b. Design: Intercept + Sirup + Waktu + Sirup * Waktu

Multiple Comparisons

Dependent Variable: Kadar Glukosa Darah

	(I) Sirup Intervensi	(J) Sirup Intervensi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Tukey HSD	Kontrol CMC	Sirup Kurma	3.38	4.145	.847	-7.52	14.28
		Sirup Bee Pollen	3.38	4.145	.847	-7.52	14.28
		Sirup Kombinasi	-1.95	4.145	.965	-12.85	8.95
	Sirup Kurma	Kontrol CMC	-3.38	4.145	.847	-14.28	7.52
		Sirup Bee Pollen	.00	4.145	1.000	-10.90	10.90
		Sirup Kombinasi	-5.33	4.145	.574	-16.24	5.57
	Sirup Bee Pollen	Kontrol CMC	-3.38	4.145	.847	-14.28	7.52
		Sirup Kurma	.00	4.145	1.000	-10.90	10.90
		Sirup Kombinasi	-5.33	4.145	.574	-16.24	5.57
	Sirup Kombinasi	Kontrol CMC	1.95	4.145	.965	-8.95	12.85
		Sirup Kurma	5.33	4.145	.574	-5.57	16.24
		Sirup Bee Pollen	5.33	4.145	.574	-5.57	16.24
Bonferroni	Kontrol CMC	Sirup Kurma	3.38	4.145	1.000	-7.87	14.63
		Sirup Bee Pollen	3.38	4.145	1.000	-7.87	14.63
		Sirup Kombinasi	-1.95	4.145	1.000	-13.20	9.29
	Sirup Kurma	Kontrol CMC	-3.38	4.145	1.000	-14.63	7.87
		Sirup Bee Pollen	.00	4.145	1.000	-11.25	11.25
		Sirup Kombinasi	-5.33	4.145	1.000	-16.58	5.91
	Sirup Bee Pollen	Kontrol CMC	-3.38	4.145	1.000	-14.63	7.87
		Sirup Kurma	.00	4.145	1.000	-11.25	11.25
		Sirup Kombinasi	-5.33	4.145	1.000	-16.58	5.91
	Sirup Kombinasi	Kontrol CMC	1.95	4.145	1.000	-9.29	13.20
		Sirup Kurma	5.33	4.145	1.000	-5.91	16.58
		Sirup Bee Pollen	5.33	4.145	1.000	-5.91	16.58

Based on observed means.

The error term is Mean Square(Error) = 180.433.

One-Sample Kolmogorov-Smirnov Test

		KONTROL_S1	KONTROL_S2	KONTROL_S3
N		7	7	7
Normal Parameters[a,b]	Mean	13.4286	6.2857	-7.1429
	Std. Deviation	17.87789	10.91962	11.61075
Most Extreme Differences	Absolute	.205	.312	.275
	Positive	.113	.163	.275
	Negative	-.205	-.312	-.211
Test Statistic		.205	.312	.275
Asymp. Sig. (2-tailed)		.200[c,d]	.038[c]	.118[c]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	PRE_KONTROL & MID_KONTROL	7	-.619	.139
Pair 2	MID_KONTROL & POST_KONTROL	7	-.030	.948

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	PRE_KONTROL - MID_KONTROL	13.42857	17.87789	6.75721	-3.10572	29.96286	1.987	6	.094
Pair 2	MID_KONTROL - POST_KONTROL	-7.14286	11.61075	4.38845	-17.88101	3.59530	-1.628	6	.155

```
NPAR TESTS
  /WILCOXON=PRE_KONTROL WITH POST_KONTROL (PAIRED)
  /MISSING ANALYSIS.
```

NPar Tests

Wilcoxon Signed Ranks Test

Ranks

		N	Mean Rank	Sum of Ranks
POST_KONTROL - PRE_KONTROL	Negative Ranks	5[a]	4.20	21.00
	Positive Ranks	2[b]	3.50	7.00
	Ties	0[c]		
	Total	7		

a. POST_KONTROL < PRE_KONTROL

b. POST_KONTROL > PRE_KONTROL

c. POST_KONTROL = PRE_KONTROL

Test Statistics[a]

	POST_KONTROL - PRE_KONTROL
Z	-1.185[b]
Asymp. Sig. (2-tailed)	.236

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		KURMA_S1	KURMA_S2	KURMA_S3
N		7	7	7
Normal Parameters[a,b]	Mean	3.8571	10.1429	6.2857
	Std. Deviation	24.11382	17.43013	25.48669
Most Extreme Differences	Absolute	.107	.234	.194
	Positive	.092	.153	.194
	Negative	-.107	-.234	-.170
Test Statistic		.107	.234	.194
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	PRE_KURMA	88.2857	7	18.68791	7.06337
	MID_KURMA	84.4286	7	13.62421	5.14947
Pair 2	PRE_KURMA	88.2857	7	18.68791	7.06337
	POST_KURMA	78.1429	7	21.41984	8.09594
Pair 3	MID_KURMA	84.4286	7	13.62421	5.14947
	POST_KURMA	78.1429	7	21.41984	8.09594

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	PRE_KURMA & MID_KURMA	7	-.092	.845
Pair 2	PRE_KURMA & POST_KURMA	7	.630	.130
Pair 3	MID_KURMA & POST_KURMA	7	-.009	.985

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	PRE_KURMA - MID_KURMA	3.85714	24.11382	9.11417	-18.44442	26.15870	.423	6	.687
Pair 2	PRE_KURMA - POST_KURMA	10.14286	17.43013	6.58797	-5.97733	26.26304	1.540	6	.175
Pair 3	MID_KURMA - POST_KURMA	6.28571	25.48669	9.63306	-17.28554	29.85697	.653	6	.538

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		BEE_S1	BEE_S2	BEE_S3
N		7	7	7
Normal Parameters[a,b]	Mean	1.5714	.0000	-1.5714
	Std. Deviation	5.19157	25.17274	23.72662
Most Extreme Differences	Absolute	.249	.214	.207
	Positive	.249	.170	.171
	Negative	-.170	-.214	-.207
Test Statistic		.249	.214	.207
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	PRE_BEE	84.1429	7	7.24405	2.73799
	MID_BEE	82.5714	7	6.80336	2.57143
Pair 2	PRE_BEE	84.1429	7	7.24405	2.73799
	POST_BEE	84.1429	7	22.99586	8.69162
Pair 3	MID_BEE	82.5714	7	6.80336	2.57143
	POST_BEE	84.1429	7	22.99586	8.69162

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	PRE_BEE & MID_BEE	7	.729	.063
Pair 2	PRE_BEE & POST_BEE	7	-.157	.736
Pair 3	MID_BEE & POST_BEE	7	.039	.934

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	PRE_BEE - MID_BEE	1.57143	5.19157	1.96223	-3.22997	6.37283	.801	6	.454
Pair 2	PRE_BEE - POST_BEE	.00000	25.17274	9.51440	-23.28090	23.28090	.000	6	1.000
Pair 3	MID_BEE - POST_BEE	-1.57143	23.72662	8.96782	-23.51489	20.37203	-.175	6	.867

```
NPAR TESTS
  /K-S(NORMAL)=KOMBINASI_S1 KOMBINASI_S2 KOMBINASI_S3
  /MISSING ANALYSIS
```

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		PRE_KOMBINASI	MID_KOMBINASI	POST_KOMBINASI
N		7	7	7
Normal Parameters[a,b]	Mean	93.71	89.86	83.29
	Std. Deviation	9.708	7.904	8.036
Most Extreme Differences	Absolute	.187	.199	.151
	Positive	.187	.199	.134
	Negative	-.165	-.171	-.151
Test Statistic		.187	.199	.151
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	PRE_KOMBINASI	93.71	7	9.708	3.669
	MID_KOMBINASI	89.86	7	7.904	2.988
Pair 2	MID_KOMBINASI	89.86	7	7.904	2.988
	POST_KOMBINASI	83.29	7	8.036	3.037
Pair 3	PRE_KOMBINASI	93.71	7	9.708	3.669
	POST_KOMBINASI	83.29	7	8.036	3.037

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	PRE_KOMBINASI & MID_KOMBINASI	7	.358	.431
Pair 2	MID_KOMBINASI & POST_KOMBINASI	7	-.621	.137
Pair 3	PRE_KOMBINASI & POST_KOMBINASI	7	-.001	.998

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	PRE_KOMBINASI - MID_KOMBINASI	3.857	10.090	3.814	-5.475	13.189	1.011	6	.351
Pair 2	MID_KOMBINASI - POST_KOMBINASI	6.571	14.351	5.424	-6.701	19.844	1.212	6	.271
Pair 3	PRE_KOMBINASI - POST_KOMBINASI	10.429	12.608	4.765	-1.232	22.089	2.188	6	.071

Test of Normality

	Shapiro-Wilk			
	Statistic	Statistic	df	Sig.
Residual Bobot badan	.074	.978	84	.153

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Bobot badan Tikus	Based on Mean	1.258	11	72	.266
	Based on Median	.660	11	72	.771
	Based on Median and with adjusted df	.660	11	35.871	.765
	Based on trimmed mean	1.140	11	72	.344

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Bobot badan Tikus

b. Design: Intercept + Sirup + Waktu + Interaksi + Sirup * Waktu + Sirup * Interaksi + Waktu * Interaksi + Sirup * Waktu * Interaksi

1.

Kelompok Intervensi

Dependent Variable: Bobot badan Tikus

			95% Confidence Interval	
Kelompok Intervensi	Mean	Std. Error	Lower Bound	Upper Bound
Kontrol CMC	187.571[a]	2.778	182.034	193.109
Sirup Kurma	205.667[a]	2.778	200.129	211.204
Sirup Bee Pollen	226.286[a]	2.778	220.748	231.823
Sirup Kombinasi	255.333[a]	2.778	249.796	260.871

a. Based on modified population marginal mean.

2.

Waktu Pengkuran BB

Dependent Variable: Bobot badan Tikus

Waktu Pengkuran BB	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
BB Hari 0	212.179[a]	2.406	207.383	216.974
BB Hari 13	215.929[a]	2.406	211.133	220.724
BB Hari 20	228.036[a]	2.406	223.240	232.831

a. Based on modified population marginal mean.

3.

Interaksi Sirup dengan BB

Dependent Variable: Bobot badan Tikus

Interaksi Sirup dengan BB	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Kontrol_BB 0	187.857[a]	4.811	178.266	197.448
Kurma_BB 0	186.429[a]	4.811	176.838	196.019
Bee Pollen_BB 0	188.429[a]	4.811	178.838	198.019
Kombinasi_BB 0	191.571[a]	4.811	181.981	201.162
Kontrol_BB 13	207.286[a]	4.811	197.695	216.877
Kurma_BB 13	218.143[a]	4.811	208.552	227.734
Bee Pollen_BB 13	212.429[a]	4.811	202.838	222.019
Kombinasi_BB 13	225.857[a]	4.811	216.266	235.448
Kontrol_BB 20	240.571[a]	4.811	230.981	250.162
Kurma_BB 20	256.857[a]	4.811	247.266	266.448
Bee Pollen_BB 20	244.143[a]	4.811	234.552	253.734
Kombinasi_BB 20	265.000[a]	4.811	255.409	274.591

a. Based on modified population marginal mean.

Multiple Comparisons

Dependent Variable: Bobot badan Tikus

	(I) Kelompok Intervensi	(J) Kelompok Intervensi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
Tukey HSD	Kontrol CMC	Sirup Kurma	-18.10*	3.928	.000	-28.43	-7.76
		Sirup Bee Pollen	-38.71*	3.928	.000	-49.05	-28.38
		Sirup Kombinasi	-67.76*	3.928	.000	-78.09	-57.43
	Sirup Kurma	Kontrol CMC	18.10*	3.928	.000	7.76	28.43
		Sirup Bee Pollen	-20.62*	3.928	.000	-30.95	-10.29
		Sirup Kombinasi	-49.67*	3.928	.000	-60.00	-39.33
	Sirup Bee Pollen	Kontrol CMC	38.71*	3.928	.000	28.38	49.05
		Sirup Kurma	20.62*	3.928	.000	10.29	30.95
		Sirup Kombinasi	-29.05*	3.928	.000	-39.38	-18.72
	Sirup Kombinasi	Kontrol CMC	67.76*	3.928	.000	57.43	78.09
		Sirup Kurma	49.67*	3.928	.000	39.33	60.00
		Sirup Bee Pollen	29.05*	3.928	.000	18.72	39.38
LSD	Kontrol CMC	Sirup Kurma	-18.10*	3.928	.000	-25.93	-10.26
		Sirup Bee Pollen	-38.71*	3.928	.000	-46.55	-30.88
		Sirup Kombinasi	-67.76*	3.928	.000	-75.59	-59.93
	Sirup Kurma	Kontrol CMC	18.10*	3.928	.000	10.26	25.93
		Sirup Bee Pollen	-20.62*	3.928	.000	-28.45	-12.79
		Sirup Kombinasi	-49.67*	3.928	.000	-57.50	-41.84
	Sirup Bee Pollen	Kontrol CMC	38.71*	3.928	.000	30.88	46.55
		Sirup Kurma	20.62*	3.928	.000	12.79	28.45
		Sirup Kombinasi	-29.05*	3.928	.000	-36.88	-21.22
	Sirup Kombinasi	Kontrol CMC	67.76*	3.928	.000	59.93	75.59
		Sirup Kurma	49.67*	3.928	.000	41.84	57.50
		Sirup Bee Pollen	29.05*	3.928	.000	21.22	36.88
Bonferroni	Kontrol CMC	Sirup Kurma	-18.10*	3.928	.000	-28.75	-7.44
		Sirup Bee Pollen	-38.71*	3.928	.000	-49.37	-28.06
		Sirup Kombinasi	-67.76*	3.928	.000	-78.42	-57.10
	Sirup Kurma	Kontrol CMC	18.10*	3.928	.000	7.44	28.75
		Sirup Bee Pollen	-20.62*	3.928	.000	-31.28	-9.96
		Sirup Kombinasi	-49.67*	3.928	.000	-60.32	-39.01
	Sirup Bee Pollen	Kontrol CMC	38.71*	3.928	.000	28.06	49.37
		Sirup Kurma	20.62*	3.928	.000	9.96	31.28
		Sirup Kombinasi	-29.05*	3.928	.000	-39.71	-18.39

Sirup Kombinasi	Kontrol CMC	67.76*	3.928	.000	57.10	78.42
	Sirup Kurma	49.67*	3.928	.000	39.01	60.32
	Sirup Bee Pollen	29.05*	3.928	.000	18.39	39.71

Multiple Comparisons

Dependent Variable: Bobot badan Tikus

	(I) Waktu Pengkuran BB	(J) Waktu Pengkuran BB	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	BB Hari 0	BB Hari 13	-3.75	3.402	.516	-11.89	4.39
		BB Hari 20	-15.86*	3.402	.000	-24.00	-7.72
	BB Hari 13	BB Hari 0	3.75	3.402	.516	-4.39	11.89
		BB Hari 20	-12.11*	3.402	.002	-20.25	-3.97
	BB Hari 20	BB Hari 0	15.86*	3.402	.000	7.72	24.00
		BB Hari 13	12.11*	3.402	.002	3.97	20.25
LSD	BB Hari 0	BB Hari 13	-3.75	3.402	.274	-10.53	3.03
		BB Hari 20	-15.86*	3.402	.000	-22.64	-9.08
	BB Hari 13	BB Hari 0	3.75	3.402	.274	-3.03	10.53
		BB Hari 20	-12.11*	3.402	.001	-18.89	-5.33
	BB Hari 20	BB Hari 0	15.86*	3.402	.000	9.08	22.64
		BB Hari 13	12.11*	3.402	.001	5.33	18.89
Bonferroni	BB Hari 0	BB Hari 13	-3.75	3.402	.822	-12.09	4.59
		BB Hari 20	-15.86*	3.402	.000	-24.20	-7.52
	BB Hari 13	BB Hari 0	3.75	3.402	.822	-4.59	12.09
		BB Hari 20	-12.11*	3.402	.002	-20.45	-3.77
	BB Hari 20	BB Hari 0	15.86*	3.402	.000	7.52	24.20
		BB Hari 13	12.11*	3.402	.002	3.77	20.45

Based on observed means.

The error term is Mean Square(Error) = 162.032.

*. The mean difference is significant at the ,05 level.

Tests of Between-Subjects Effects

Dependent Variable: Bobot badan Tikus

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	60140.857[a]	11	5467.351	33.742	.000
Intercept	4018218.857	1	4018218.857	24798.960	.000
Sirup	.000	0	.	.	.
Waktu	.000	0	.	.	.
Interaksi	.000	0	.	.	.
Sirup * Waktu	.000	0	.	.	.
Sirup * Interaksi	.000	0	.	.	.
Waktu * Interaksi	.000	0	.	.	.
Sirup * Waktu * Interaksi	.000	0	.	.	.
Error	11666.286	72	162.032		
Total	4090026.000	84			
Corrected Total	71807.143	83			

a. R Squared = .838 (Adjusted R Squared = .813)

Bobot badan Tikus

	Waktu Pengkuran BB	N	Subset 1	Subset 2
Tukey HSD[a,b]	BB Hari 0	28	212.18	
	BB Hari 13	28	215.93	
	BB Hari 20	28		228.04
	Sig.		.516	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 162.032.

a. Uses Harmonic Mean Sample Size = 28.000.

b. Alpha = ,05.

Homogeneous Subset

Bobot badan Tikus

	Interaksi Sirup dengan BB	N	Subset 1	2	3	4	5	6	7
Tukey HSD[a,b]	Kurma_BB 0	7	186.43						
	Kontrol_BB 0	7	187.86						
	Bee Pollen_BB 0	7	188.43						
	Kombinasi_BB 0	7	191.57	191.57					
	Kontrol_BB 13	7	207.29	207.29	207.29				
	Bee Pollen_BB 13	7		212.43	212.43				
	Kurma_BB 13	7			218.14	218.14			
	Kombinasi_BB 13	7			225.86	225.86	225.86		
	Kontrol_BB 20	7				240.57	240.57	240.57	
	Bee Pollen_BB 20	7					244.14	244.14	244.14
	Kurma_BB 20	7						256.86	256.86
	Kombinasi_BB 20	7							265.00
	Sig.		.111	.111	.234	.062	.254	.424	.111

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 162,032.

a. Uses Harmonic Mean Sample Size = 7,000.

b. Alpha = ,05.

Paired T Test

One-Sample Kolmogorov-Smirnov Test

		BB_PREKON	BB_MIDKON	BB_POSTKON
N		7	7	7
Normal Parameters[a,b]	Mean	187.86	207.29	240.57
	Std. Deviation	8.840	11.368	13.673
Most Extreme Differences	Absolute	.242	.154	.174
	Positive	.242	.114	.174
	Negative	-.219	-.154	-.156
Test Statistic		.242	.154	.174
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	BB_PREKON	187.86	7	8.840	3.341
	BB_MIDKON	207.29	7	11.368	4.297
Pair 2	BB_MIDKON	207.29	7	11.368	4.297
	BB_POSTKON	240.57	7	13.673	5.168
Pair 3	BB_PREKON	187.86	7	8.840	3.341
	BB_POSTKON	240.57	7	13.673	5.168

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	BB_PREKON & BB_MIDKON	7	.899	.006
Pair 2	BB_MIDKON & BB_POSTKON	7	.943	.001
Pair 3	BB_PREKON & BB_POSTKON	7	.868	.011

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	BB_PREKON - BB_MIDKON	-19.429	5.159	1.950	-24.200	-14.657	-9.963	6	.000
Pair 2	BB_MIDKON - BB_POSTKON	-33.286	4.786	1.809	-37.712	-28.860	-18.401	6	.000
Pair 3	BB_PREKON - BB_POSTKON	-52.714	7.432	2.809	-59.588	-45.841	-18.765	6	.000

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		BB_PREKUR	BB_MIDKUR	BB_POSTKUR
N		7	7	7
Normal Parameters[a,b]	Mean	186.43	218.14	256.86
	Std. Deviation	11.178	20.244	10.823
Most Extreme Differences	Absolute	.155	.251	.203
	Positive	.112	.176	.152
	Negative	-.155	-.251	-.203
Test Statistic		.155	.251	.203
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	BB_PREKUR	186.43	7	11.178	4.225
	BB_MIDKUR	218.14	7	20.244	7.651
Pair 2	BB_MIDKUR	218.14	7	20.244	7.651
	BB_POSTKUR	256.86	7	10.823	4.091
Pair 3	BB_PREKUR	186.43	7	11.178	4.225
	BB_POSTKUR	256.86	7	10.823	4.091

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	BB_PREKUR & BB_MIDKUR	7	.896	.006
Pair 2	BB_MIDKUR & BB_POSTKUR	7	.940	.002
Pair 3	BB_PREKUR & BB_POSTKUR	7	.844	.017

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_PREKUR - BB_MIDKUR	-31.714	11.368	4.297	-42.228	-21.200	-7.381	6	.000
Pair 2	BB_MIDKUR - BB_POSTKUR	-38.714	10.735	4.057	-48.642	-28.786	-9.542	6	.000
Pair 3	BB_PREKUR - BB_POSTKUR	-70.429	6.161	2.328	-76.126	-64.731	-30.247	6	.000

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		BB_PREBEE	BB_MIDBEE	BB_POSTBEE
N		7	7	7
Normal Parameters[a,b]	Mean	188.43	212.43	244.14
	Std. Deviation	11.559	14.965	15.952
Most Extreme Differences	Absolute	.221	.186	.145
	Positive	.221	.186	.145
	Negative	-.182	-.166	-.093
Test Statistic		.221	.186	.145
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	BB_PREBEE	188.43	7	11.559	4.369
	BB_MIDBEE	212.43	7	14.965	5.656
Pair 2	BB_MIDBEE	212.43	7	14.965	5.656
	BB_POSTBEE	244.14	7	15.952	6.029
Pair 3	BB_PREBEE	188.43	7	11.559	4.369
	BB_POSTBEE	244.14	7	15.952	6.029

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	BB_PREBEE & BB_MIDBEE	7	.967	.000
Pair 2	BB_MIDBEE & BB_POSTBEE	7	.982	.000
Pair 3	BB_PREBEE & BB_POSTBEE	7	.944	.001

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	BB_PREBEE - BB_MIDBEE	-24.000	4.796	1.813	-28.435	-19.565	-13.240	6	.000
Pair 2	BB_MIDBEE - BB_POSTBEE	-31.714	3.094	1.169	-34.576	-28.853	-27.122	6	.000
Pair 3	BB_PREBEE - BB_POSTBEE	-55.714	6.317	2.388	-61.557	-49.872	-23.335	6	.000

NPar Tests

One-Sample Kolmogorov-Smirnov Test

		BB_PREKOM	BB_MIDKOM	BB_POSTKOM
N		7	7	7
Normal Parameters[a,b]	Mean	191.57	225.86	265.00
	Std. Deviation	10.228	5.984	12.069
Most Extreme Differences	Absolute	.203	.235	.225
	Positive	.168	.195	.181
	Negative	-.203	-.235	-.225
Test Statistic		.203	.235	.225
Asymp. Sig. (2-tailed)		.200[c,d]	.200[c,d]	.200[c,d]

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	BB_PREKOM	191.57	7	10.228	3.866
	BB_MIDKOM	225.86	7	5.984	2.262
Pair 2	BB_MIDKOM	225.86	7	5.984	2.262
	BB_POSTKOM	265.00	7	12.069	4.562
Pair 3	BB_PREKOM	191.57	7	10.228	3.866
	BB_POSTKOM	265.00	7	12.069	4.562

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	BB_PREKOM & BB_MIDKOM	7	.552	.199
Pair 2	BB_MIDKOM & BB_POSTKOM	7	.450	.311
Pair 3	BB_PREKOM & BB_POSTKOM	7	.942	.001

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
					95% Confidence Interval of the Difference				
		Mean	Std. Deviation	Std. Error Mean	Lower	Upper			
Pair 1	BB_PREKOM - BB_MIDKOM	-34.286	8.538	3.227	-42.182	-26.389	-10.624	6	.000
Pair 2	BB_MIDKOM - BB_POSTKOM	-39.143	10.792	4.079	-49.124	-29.162	-9.596	6	.000
Pair 3	BB_PREKOM - BB_POSTKOM	-73.429	4.198	1.587	-77.311	-69.547	-46.283	6	.000

UJI POST HOC

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Selisih_KombinasiKontrol	7	25.0%	21	75.0%	28	100.0%
Selisih_KombinasiKurma	7	25.0%	21	75.0%	28	100.0%
Selisih_KombinasiBeePollen	7	25.0%	21	75.0%	28	100.0%
Selisih_KurmaBeePollen	7	25.0%	21	75.0%	28	100.0%
Selisih_KurmaKontrol	7	25.0%	21	75.0%	28	100.0%
Selisih_BeePollenKontrol	7	25.0%	21	75.0%	28	100.0%

Descriptives

			Statistic	Std. Error
Selisih_KombinasiKontrol	Mean		20.7143	3.92619
	95% Confidence Interval for Mean	Lower Bound	11.1072	
		Upper Bound	30.3213	
	5% Trimmed Mean		20.2937	

	Median		19.0000	
	Variance		107.905	
	Std. Deviation		10.38772	
	Minimum		10.00	
	Maximum		39.00	
	Range		29.00	
	Interquartile Range		18.00	
	Skewness		.821	.794
	Kurtosis		.272	1.587
Selisih_KombinasiKurma	Mean		3.0000	3.55903
	95% Confidence Interval for Mean	Lower Bound	-5.7086	
		Upper Bound	11.7086	
	5% Trimmed Mean		3.2778	
	Median		3.0000	
	Variance		88.667	
	Std. Deviation		9.41630	
	Minimum		-14.00	
	Maximum		15.00	
	Range		29.00	
	Interquartile Range		13.00	
	Skewness		-.775	.794
	Kurtosis		1.074	1.587
Selisih_KombinasiBeePollen	Mean		17.7143	3.08386
	95% Confidence Interval for Mean	Lower Bound	10.1683	
		Upper Bound	25.2602	
	5% Trimmed Mean		17.6825	
	Median		19.0000	
	Variance		66.571	
	Std. Deviation		8.15913	
	Minimum		7.00	
	Maximum		29.00	
	Range		22.00	
	Interquartile Range		17.00	
	Skewness		-.135	.794
	Kurtosis		-1.066	1.587
Selisih_KurmaBeePollen	Mean		14.7143	3.95639
	95% Confidence Interval for	Lower Bound	5.0333	

	Mean	Upper Bound	24.3952	
	5% Trimmed Mean		14.2381	
	Median		10.0000	
	Variance		109.571	
	Std. Deviation		10.46764	
	Minimum		5.00	
	Maximum		33.00	
	Range		28.00	
	Interquartile Range		18.00	
	Skewness		.935	.794
	Kurtosis		-.114	1.587
Selisih_KurmaKontrol	Mean		17.7143	2.86784
	95% Confidence Interval for Mean	Lower Bound	10.6969	
		Upper Bound	24.7316	
	5% Trimmed Mean		17.5714	
	Median		17.0000	
	Variance		57.571	
	Std. Deviation		7.58758	
	Minimum		8.00	
	Maximum		30.00	
	Range		22.00	
	Interquartile Range		12.00	
	Skewness		.484	.794
	Kurtosis		-.495	1.587
Selisih_BeePollenKontrol	Mean		3.0000	4.14039
	95% Confidence Interval for Mean	Lower Bound	-7.1312	
		Upper Bound	13.1312	
	5% Trimmed Mean		3.0556	
	Median		3.0000	
	Variance		120.000	
	Std. Deviation		10.95445	
	Minimum		-10.00	
	Maximum		15.00	
	Range		25.00	
	Interquartile Range		24.00	
	Skewness		-.146	.794
	Kurtosis		-2.148	1.587

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih_Kelompok	Kontrol CMC	7	4.00	28.00
	Sirup Kombinasi	7	11.00	77.00
	Total	14		

Test Statistics[a]

	Selisih_Kelompok
Mann-Whitney U	.000
Wilcoxon W	28.000
Z	-3.137
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.001[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih_Kelompok	Sirup Kurma	7	6.07	42.50
	Sirup Kombinasi	7	8.93	62.50
	Total	14		

Test Statistics[a]

	Selisih_Kelompok
Mann-Whitney U	14.500
Wilcoxon W	42.500
Z	-1.286
Asymp. Sig. (2-tailed)	.198
Exact Sig. [2*(1-tailed Sig.)]	.209[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih_Kelompok	Sirup Bee Pollen	7	4.00	28.00
	Sirup Kombinasi	7	11.00	77.00
	Total	14		

Test Statistics[a]

	Selisih_Kelompok
Mann-Whitney U	.000
Wilcoxon W	28.000
Z	-3.137
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.001[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih_Kelompok	Sirup Kurma	7	11.00	77.00
	Sirup Bee Pollen	7	4.00	28.00
	Total	14		

Test Statistics[a]

	Selisih_Kelompok
Mann-Whitney U	.000
Wilcoxon W	28.000
Z	-3.137
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.001[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih_Kelompok	Kontrol CMC	7	4.00	28.00
	Sirup Kurma	7	11.00	77.00
	Total	14		

Test Statistics[a]

	Selisih_Kelompok
Mann-Whitney U	.000
Wilcoxon W	28.000
Z	-3.137
Asymp. Sig. (2-tailed)	.002
Exact Sig. [2*(1-tailed Sig.)]	.001[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

Ranks

	Kelompok	N	Mean Rank	Sum of Ranks
Selisih_Kelompok	Kontrol CMC	7	6.50	45.50
	Sirup Bee Pollen	7	8.50	59.50
	Total	14		

Test Statistics[a]

	Selisih_Kelompok
Mann-Whitney U	17.500
Wilcoxon W	45.500
Z	-.900
Asymp. Sig. (2-tailed)	.368
Exact Sig. [2*(1-tailed Sig.)]	.383[b]

a. Grouping Variable: Kelompok

b. Not corrected for ties.

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS HASANUDDIN
FAKULTAS KESEHATAN MASYARAKAT
KOMITE ETIK PENELITIAN KESEHATAN
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REKOMENDASI PERSETUJUAN ETIK

Nomor : **6519/UN4.14.10/TP.02.02/2020**

Tanggal : 28 Agustus 2020

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

No.Protokol	9820092262	No. Sponsor Protokol	
Peneliti Utama	**Asni Annisa S.**	Sponsor	**Pribadi**
Judul Peneliti	**Pengaruh Pemberian Sirup Kombinasi Kurma (Phoenix Dactylifera) Dengan Bee Pollen Terhadap Kadar Glukosa Darah Dan Kenaikan Berat Badan Tikus Putih Galur Wistar (Rattus Norvegicus) Hamil**		
No.Versi Protokol	1	Tanggal Versi	09 Agustus 2020
No.Versi PSP	1	Tanggal Versi	09 Agustus 2020
Tempat Penelitian	**Laboratorium Biofarmasi Dan Biofarmaka Unhas**		
Judul Review	☐ Exempted ☒ Expedited ☐ Fullboard	Masa Berlaku **28 Agustus 2020 Sampai 28 Agustus 2021**	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian	Nama : Prof.dr.Veni Hadju,M.Sc,Ph.D	Tanda tangan	Tanggal 28 Agustus 2020
Sekretaris komisi Etik Penelitian	Nama : Nur Arifah,SKM,MA	Tanda tangan	Tanggal 28 Agustus 2020

Kewajiban Peneliti Utama :

1. Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
2. 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
3. Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
4. Menyerahkan laporan akhir setelah Penelitian berakhir
5. Melaporakn penyimpangan dari protocol yang disetujui (protocol deviation/violation)
6. Mematuhi semua peraturan yang ditentukan

LABORATORIUM KIMIA MAKANAN TERNAK
JURUSAN NUTRISI DAN MAKANAN TERNAK
FAKULTAS PETERNAKAN
UNIVERSITAS HASANUDDIN

HASIL ANALISIS BAHAN

No	Kode Sampel	KOMPOSISI (%)							Flavanoid (ppm)	Polifenol (ppm)
		Air	Protein Kasar	Lemak Kasar	Serat kasar	BETN	Abu	Karbohidrat		
1	Sirup	83.98	1.63	0.13	0.48	13.34	0.44	13.82	33.03	236.12

Keterangan : 1. Semua Fraksi Dianalisis Dalam Contoh Asli
2. BETN = Bahan Ekstrak Tanpa Nitrogen

Makassar, 2 September 2020
Ketua,

Muhammad Syahrul
Nip. 19790603 2001 12 1 001

Laboratorium Tanah, Tanaman, Pupuk, Air

BADAN PENELITIAN DAN PENGEMBANGAN PERTANIAN

BALAI PENGKAJIAN TEKNOLOGI PERTANIAN SULAWESI SELATAN

Jl.Dr. Ratulangi No. 272, Kel. Allepolea, Kec. Lau, Kab. Maros Sulawesi Selatan 90514
Telp. (0411) 371572 Fax. (0411) 371572, e-mail: lab_bptpsulsel@yahoo.co.id

Nomor Lab / *Lab. Number* : SP 34 L/LT-BPTP/VIII/2020

No. Urut / *Number*	Parameter / *Parameter*	Hasil / *Result*	Metode Pengujian / *Analysis Method*
1	Fe, ppm	24	AAS
2	Zn, ppm	13	
3	Mg, ppm	105	
4	Mn, Ppm	40	

P200834-2-IDN-330

1. Result of analysis relating with sample tested only
2. The Report of Analysis can not be reproduced in any way, except in full content with the prior written from laboratory of Assessment Institute for Agricultural Technology, IAARD South Sulawesi
3. Complaint is not accepted after three months

F.DP.5.10.T

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SEKOLAH PASCASARJANA
Jalan Perintis Kemerdekaan km. 10 Makassar 90245
Telp. : (041 1) 585034. 585036 Fax. : (041 I) 585868
E-mail : in hon pasca HnlJas ac.id.http:// oasca.u Jfias.ac id

Nomor : 5 /// U 14.20. I /PT.0 I .04/2020 3 Agustus 2020
Perillal ' Permohonan Izin Penggunaan Laboraforium

Yth. **Dekzn Pakultas £arznasi**

Universitas Hasnnnddin

Dengen iJcinnat disampaikan bahwa mahasiswa Sekolah Pascasarjana Universitas Hasanuddin }'ang tersebut dibawefi ini :

Nama : Asni Annisa Siregar
Nomor Pokok : P102182020
Progra c Pendidikan : Magister (S2)
Program Studi : JI mu Kebidanan

l3ernaak sud uaenggulaa kan Laboratori uni l3iotarmasi untuk melakukan penelitian dalam ran ka persiapan peniilisan tesis terkail Jenean judiil **"Pengaruh Pemberiao Sirup** Knnz hinRsi K uriz\a (Phoenix Da ¿'lifes) dcnggn Bee **PoGlen Terhadap Kadar Glukosa** Dai'nl dan Kenaikan lTerat **Dadgn** Fada Tikut **Putib Cslur** Wistar Rettus **Novergicus)**

eta tibun aan cJ enbap lin I terse but. ijjol rii kesvdi aau Saudara tin luii irieijjherikan izin kepada mahasiswa tersebut menggunakan Laboratorium yang ada pada Fakultas Farmasi

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Wakil Dekan Bida Akademik.
Rise lisasi lm art

of. Drs. Lande Asrul, M.P.
N 71. 988121001

Tembusan Yth:
1. De katJ $ F L' n lfas sebaca i laporan'
?. ' laIJasis\ a \ ailg ber.raiJckutan
3. Arsip

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
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Jalan Periiiiis Kemerdekaan km. 10 Malcassar 90245
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E-mail : ijyio/e^.pasca unl as.ac.id. http // sasca. unhas ae id

Nomor $Q' /UN4.20.l/PT.01.04/2020 3 Agustus 2020
Perihai : Permo4nonan Izin Penggunaan Laboretorium

Yth. Kepala £aboratorium Biofarznasi Fakultee £armasi

Universitas Hasanuddin

Dengan hormat disampaikan bafiwa n\ahasiswa Sekolah Pascasarjana Universitas Hasanuddin yang tersebut dibawah ini :

Nama : Asni Annisa Siregar
Nomor Pokok : P t 02182020
Program Pendidikan : Magister (S2)
Program Studi : llmu Kebidanan

Ber naksud naengguuak8n Laboratorium Biofarmasi untuk melakukan penelitian dalam ra apka persiapan penui isan tesis lerkait dcngen judul "Pengaruh Pemberton Sien p Kombinasi Kurma (PI oeniz Dactylifera) ‹lengan Bee Pollen Terhadap Radar CTukosa Darn b ‹I a n Ken z iks n Derat Bad a n Pe6a Tim us Putih G elur Wistar (Rattus Rovergieus) Ha mil".

Sehubungan dengan hal tersebut. mohon kesediaan Saudara untuk memberikan izin kepada mahasiswa tersebut menggunakan Laboratorium yang ada pada Fakultas Farmasi

.A tae perk enan dan k e jasamanya diucapâan lerinla kasi h.

a.n. Dekan
Wakil Dekan Bidang Akademik,
Riset dan Publikasi Ilmiah

Prof. Dr. Laode Asrul, M.P.
NIP. 196310271988121001

TenJ bu sa ij YII\ :
J. Dekan SPs U ii has sebagai laporan'
2. M albas is» a y and bersangkulan

LABORATORIUM BIOFARMASI
FAKULTAS FARMASI
UNIVERSITAS HASANUDDIN
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Tlp. 0411 588546, 580216, 580200,Ext. 1003, Fax. 0411 580663 MAKASSAR 90245

SURAT KETERANGAN TELAH MENYELESAIKAN PENELITIAN
Nomor : 08 /Lab.Biofar-UH/IX/2020

Kepala Laboratorium Biofarmasi, Fakultas Farmasi Universitas Hasanuddin, menerangkan bahwa mahasiswa tersebut di bawah ini :

Nama	: Asni Annisa Siregar
Nomor Pokok	: P102182020
Program Pendidikan	: Magister (S2)
Program Studi	: Ilmu Kebidanan

Telah menyelesaikan penelitian di Laboratorium Biofarmasi dengan judul penelitian **"Pengaruh Pemberian Sirup Kombinasi Kurma (*Phoenix Dactylifera*) dan Bee Pollen Terhadap Kadar Glukosa Darah dan Kenaikan Berat Badan Pada Tikus Putih Galur Wistar (*Rattus Norvegicus*) Hamil"**

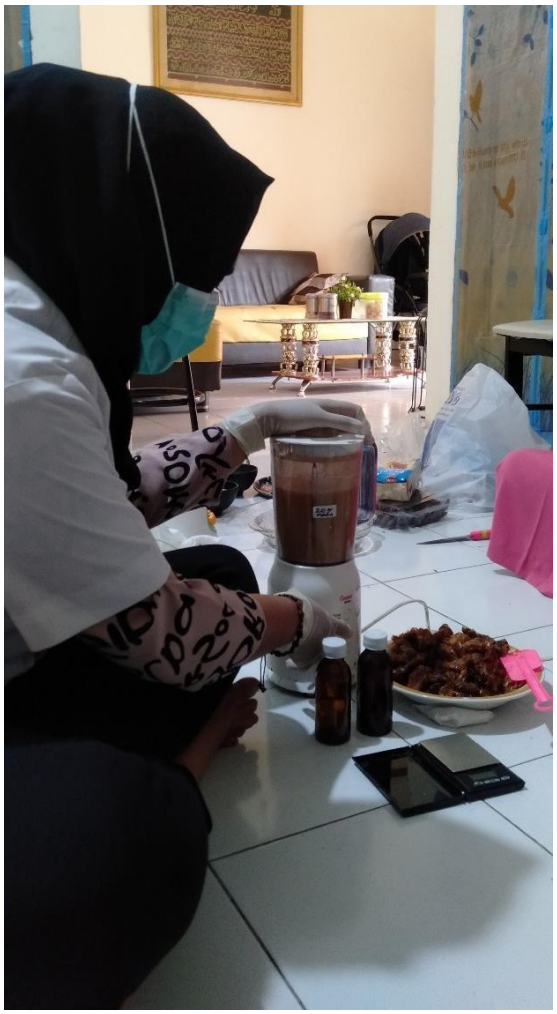
Demikian surat keterangan ini dibuat untuk dipergunakan sebagaimana mestinya.

Makassar, 05 September 2020

Kepala Laboratorium Biofarmasi

Prof.Dr.rer.nat.Hj.Marianti A.Manggau., Apt
Nip. 19670319 199203 2 002

DOKUMENTASI
PEMBUATAN SIRUP



DOKUMENTASI
PROSES REPRODUKSI TIKUS

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INTERVENSI & PEMERIKSAAN TIKUS