

LAMPIRAN

Lampiran 1. Formulir *Hedonic Scale Test*

UJI SKALA KESUKAAN (*Hedonic Scale Test*)

Nama. :
Tanggal uji :
Produk : Yoghurt Sinbiotik
Kriteria Mutu : Aroma, Warna, Rasa, dan Tekstur
Instruksi:

Dihadapan saudara disajikan contoh yoghurt sinbiotik dengan perlakuan perbandingan susu skim: puree pisang 10%:5% , 10%:10%, 10%:15% yang diinkubasi selama 16 jam. Anda diminta untuk memberikan penilaian mengenai aroma, warna, rasa, dan tekstur dengan cara menentukan nilai sesuai dengan tingkat kesukaan pada kolom yang telah di sediakan

1= sangat tidak suka

2= tidak suka

3= suka

4= sangat suka

Setelah anda mencicipi salah satu sampel, anda harus berkumur dengan air putih yang telah disediakan sebelum mencicipi sampel yang lain. Selain itu, anda juga diminta untuk memberi komentar atau alasan mengenai aroma, warna, rasa, dan tekstur dari masing-masing kode sampel.

Kode contoh	Kriteria Penilaian			
	aroma	Warna	rasa	tekstur
657				
129				
774				
423				

Saran :

Lampiran 2. Matriks Jadwal Penelitian

Kegiatan	2019			2020					
	Oktober	November	Desember	Januari	Februari	Maret	April	Mei	Juni
Pengajuan Judul									
Penyusunan Proposal									
Seminar Proposal									
Penelitian									
Pengajuan Hasil									
Pengolahan Data dan Analisis Data									
Seminar									

Lampiran 3 . Hasil Pengujian Total BAL (Bakteri Asam Laktat) dan Nilai pH



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Nama : Fakhрина Salsabila
Institusi : Politeknik Kesehatan Kementerian Kesehatan Malang
Jenis Uji : Total BAL dan pH
Tanggal Terima : 11 Maret 2020
Tanggal Uji : 12-13 Maret 2020
Tanggal keluar : 16 Maret 2020
Tempat Uji : Laboratorium Biomedik Fakultas Kedokteran Universitas Muhammadiyah Malang

Sampel	pH	Total BAL CFU/ml
P 1.1	4,8	$1,0 \times 10^7$
P 1.2	4,6	$1,1 \times 10^7$
P 1.3	4,7	$1,3 \times 10^7$
P 2.1	4,7	$1,3 \times 10^7$
P 2.2	4,8	$1,2 \times 10^7$
P 2.3	4,7	$1,6 \times 10^7$
P 3.1	4,8	$1,3 \times 10^7$
P 3.2	4,8	$1,5 \times 10^7$
P 3.3	4,7	$1,4 \times 10^7$

Malang, 16 Maret 2020

Laboran

Drs. Joko Trisilo Wahono

Lampiran 4. Hasil Uji Organoleptik

panelis	P1 (susu skim:puree pisang) (10%:5%)				P2 (susu skim:puree pisang) (10%:10%)				P3 (susu skim:puree pisang) (10%:15%)			
	aroma	warna	rasa	konsistensi	aroma	warna	rasa	Konsistensi	Aroma	warna	rasa	konsistensi
1	2	4	1	3	3	3	3	4	4	3	2	3
2	3	4	2	2	3	4	4	2	4	4	3	2
3	3	4	2	3	3	4	3	3	3	4	2	4
4	2	3	1	3	3	3	2	2	4	3	4	3
5	3	3	3	3	3	3	4	3	3	3	3	3
6	3	3	3	3	3	2	2	2	3	3	4	4
7	3	3	2	3	3	3	3	3	3	3	2	3
8	3	3	2	2	3	3	3	1	4	2	1	2
9	4	4	3	4	3	2	3	2	2	3	2	2
10	4	3	2	3	3	3	3	2	4	3	4	3
11	3	3	2	3	4	3	4	3	3	3	3	3
12	3	3	3	3	3	2	2	2	2	4	2	3
13	3	4	4	3	3	3	4	3	3	3	3	3
14	3	3	3	3	3	3	3	3	3	3	3	3
15	3	3	2	3	3	3	2	2	3	3	2	3
16	2	2	3	1	3	2	3	2	3	2	4	3
17	2	2	2	2	1	2	2	3	2	2	3	3
18	1	3	2	2	2	3	2	2	2	3	3	2
19	2	2	3	4	2	2	3	3	2	2	3	3
20	2	3	1	2	2	3	2	1	3	2	3	1
21	2	2	3	3	2	3	2	2	2	3	3	3
22	2	1	1	2	2	1	3	3	2	1	3	1
23	2	2	2	3	1	2	3	2	2	3	3	1
24	2	2	3	2	2	2	3	2	3	3	3	3
25	1	2	2	1	2	2	3	2	3	3	3	2

Lampiran 5. Analisis Varian Pengaruh Penambahan Puree Pisang Ambon Terhadap Warna Yoghurt Sinbiotik

Case Processing Summary
Tests of Normality

Test of Normality

perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	Df	Sig.
p1 (1:0,5)	,259	25	,000	,862	25	,003
warna p2(1:1)	,296	25	,000	,833	25	,001
p3(1:1,5)	,352	25	,000	,796	25	,000

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile s
						25th
WARNA_P1	25	2,8400	,80000	1,00	4,00	2,0000
WARNA_P2	25	2,6400	,70000	1,00	4,00	2,0000
WARNA_P3	25	2,8400	,68799	1,00	4,00	2,5000

a. Lilliefors Significance Correction

Krukall Wallis

Test Statistics^{a,b}

	warna
Chi-Square	1,439
df	2
Asymp. Sig.	,487

Lampiran 6. Analisis Varian Pengaruh Penambahan Puree Pisang Ambon Terhadap Aroma Yoghurt Sinbiotik

Case Processing Summary

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile
						s
						25th
AROMA_P1	25	2,5200	,77028	1,00	4,00	2,0000
AROMA_P2	25	2,6000	,70711	1,00	4,00	2,0000
AROMA_P3	25	2,8800	,72572	2,00	4,00	2,0000

a. Lilliefors Significance Correction

Test of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
p1 (1:0,5)	,253	25	,000	,861	25	,003
aroma p2(1:1)	,354	25	,000	,785	25	,000
p3(1:1,5)	,246	25	,000	,809	25	,000

Krukall Wallis

Test Statistics^{a,b}

	Aroma
Chi-Square	2,651
df	2
Asymp. Sig.	,266

Lampiran 7. Analisis Varian Pengaruh Penambahan Puree Pisang Ambon Terhadap Rasa Yoghurt Sinbiotik

Case Processing Summary
Tests of Normality

Tests of Normality

perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
p1 (1:0,5)	,238	25	,001	,862	25	,003
rasa p2(1:1)	,272	25	,000	,800	25	,000
p3(1:1,5)	,305	25	,000	,841	25	,001

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentiles	
						25th	50th (Median)
RASA_P1	25	2,2800	,79162	1,00	4,00	2,0000	2,0000
RASA_P2	25	2,8400	,68799	2,00	4,00	2,0000	3,0000
RASA_P3	25	2,8400	,74610	1,00	4,00	2,0000	3,0000

a. Lilliefors Significance Correction

Krukall Wallis

Test Statistics^{a,b}

	rasa
Chi-Square	8,040
df	2
Asymp. Sig.	,018

Mann-Whitney Test

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
p1 (1:0,5)	25	20,90	522,50
rasa p2(1:1)	25	30,10	752,50
Total	50		

Test Statistics^a

	rasa
Mann-Whitney U	197,500
Wilcoxon W	522,500
Z	-2,408
Asymp. Sig. (2-tailed)	,016

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
p1 (1:0,5)	25	20,80	520,00
rasa p3(1:1,5)	25	30,20	755,00
Total	50		

Test Statistics^a

	rasa
Mann-Whitney U	195,000
Wilcoxon W	520,000
Z	-2,456
Asymp. Sig. (2-tailed)	,014

Ranks

perlakuan	N	Mean Rank	Sum of Ranks
p2(1:1)	25	25,24	631,00
rasa p3(1:1,5)	25	25,76	644,00
Total	50		

Test Statistics^a

	rasa
Mann-Whitney U	306,000
Wilcoxon W	631,000
Z	-,140
Asymp. Sig. (2-tailed)	,889

Lampiran 8. Analisis Varian Pengaruh Penambahan Puree Pisang Ambon Terhadap Tekstur Yoghurt Sinbiotik

Case Processing Summary
Tests of Normality

Tests of Normality

perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
p1 (1:0,5)	,323	25	,000	,830	25	,001
Tekstur p2(1:1)	,296	25	,000	,833	25	,001
p3(1:1,5)	,352	25	,000	,801	25	,000

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile
						s
						25th
TEKSTUR_P1	25	2,6400	,75719	1,00	4,00	2,0000
TEKSTUR_P2	25	2,3600	,70000	1,00	4,00	2,0000
TEKSTUR_P3	25	2,6400	,81035	1,00	4,00	2,0000

a. Lilliefors Significance Correction

Krukall Wallis

Test Statistics^{a,b}

	tekstur
Chi-Square	3,227
df	2
Asymp. Sig.	,199

Lampiran 9. Analisis Varians Pengaruh Penambahan Puree Pisang Ambon Terhadap Nilai pH Yoghurt Sinbiotik

Case Processing Summary

sampel	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
P1	3	100,0%	0	0,0%	3	100,0%
ph p2	3	100,0%	0	0,0%	3	100,0%
p3	3	100,0%	0	0,0%	3	100,0%

Tests of Normality

sampel	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
P1	,175	3	.	1,000	3	1,000
ph p2	,385	3	.	,750	3	,000
p3	,385	3	.	,750	3	,000

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
P1	3	4,60	4,80	4,7000	,10000
p2	3	4,70	4,80	4,7333	,05774
p3	3	4,70	4,80	4,7667	,05774
Valid N (listwise)	3				

ANOVA

pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,007	2	,003	,600	,579
Within Groups	,033	6	,006		
Total	,040	8			

Lampiran 10. Analisis Varians Pengaruh Penambahan Puree Pisang Ambon Terhadap Total BAL Yoghurt Sinbiotik

Case Processing Summary

sampel	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
P1(5% puree pisang)	3	100,0%	0	0,0%	3	100,0%
BAL P2 (10% puree pisang)	3	100,0%	0	0,0%	3	100,0%
P3 (15% puree pisang)	3	100,0%	0	0,0%	3	100,0%

Tests of Normality

sampel	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
P1(5% puree pisang)	,253	3	.	,964	3	,637
BAL P2 (10% puree pisang)	,292	3	.	,923	3	,463
P3 (15% puree pisang)	,175	3	.	1,000	3	1,000

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean
					Lower Bound
P1(5% puree pisang)	3	1,1333	,15275	,08819	,7539
P2 (10% puree pisang)	3	1,3667	,20817	,12019	,8496
P3 (15% puree pisang)	3	1,4000	,10000	,05774	1,1516
Total	9	1,3000	,18708	,06236	1,1562

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,127	2	,063	2,478	,164
Within Groups	,153	6	,026		
Total	,280	8			

Multiple Comparisons

Dependent Variable: BAL

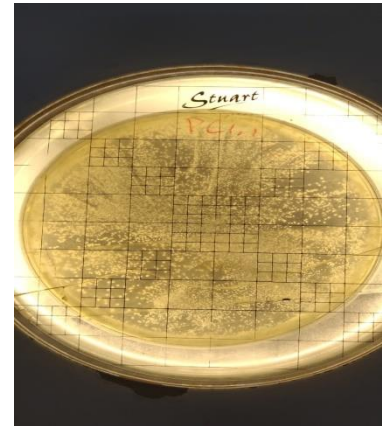
LSD

(I) sampel	(J) sampel	Mean Difference (I-J)	Std. Error	Sig.
P1(5% puree pisang)	P2 (10% puree pisang)	-,23333	,13053	,124
	P3 (15% puree pisang)	-,26667	,13053	,087
P2 (10% puree pisang)	P1(5% puree pisang)	,23333	,13053	,124
	P3 (15% puree pisang)	-,03333	,13053	,807
P3 (15% puree pisang)	P1(5% puree pisang)	,26667	,13053	,087
	P2 (10% puree pisang)	,03333	,13053	,807

Lampiran 11. Yoghurt Sinbiotik Berbasis Puree Pisang Ambon dan TPC



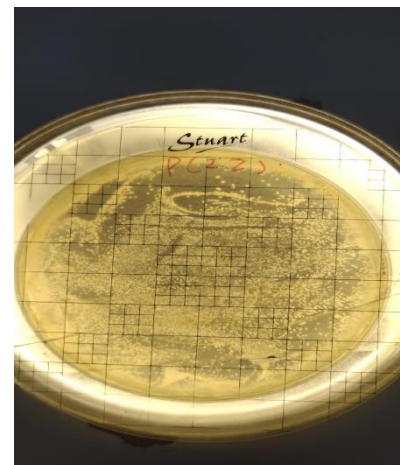
Gambar 1. Yoghurt (10 % susu skim:5 % puree)



Gambar 2. TPC P1.1



Gambar 3. Yoghurt (10 % susu skim:10 % puree)



Gambar 4. TPC P2.2



Gambar 5. Yoghurt (10 % susu skim:15 % puree)



Gambar 6. TPC 3.1