

## LAMPIRAN 1. PEMBUATAN MEDIUM UNTUK KULTUR

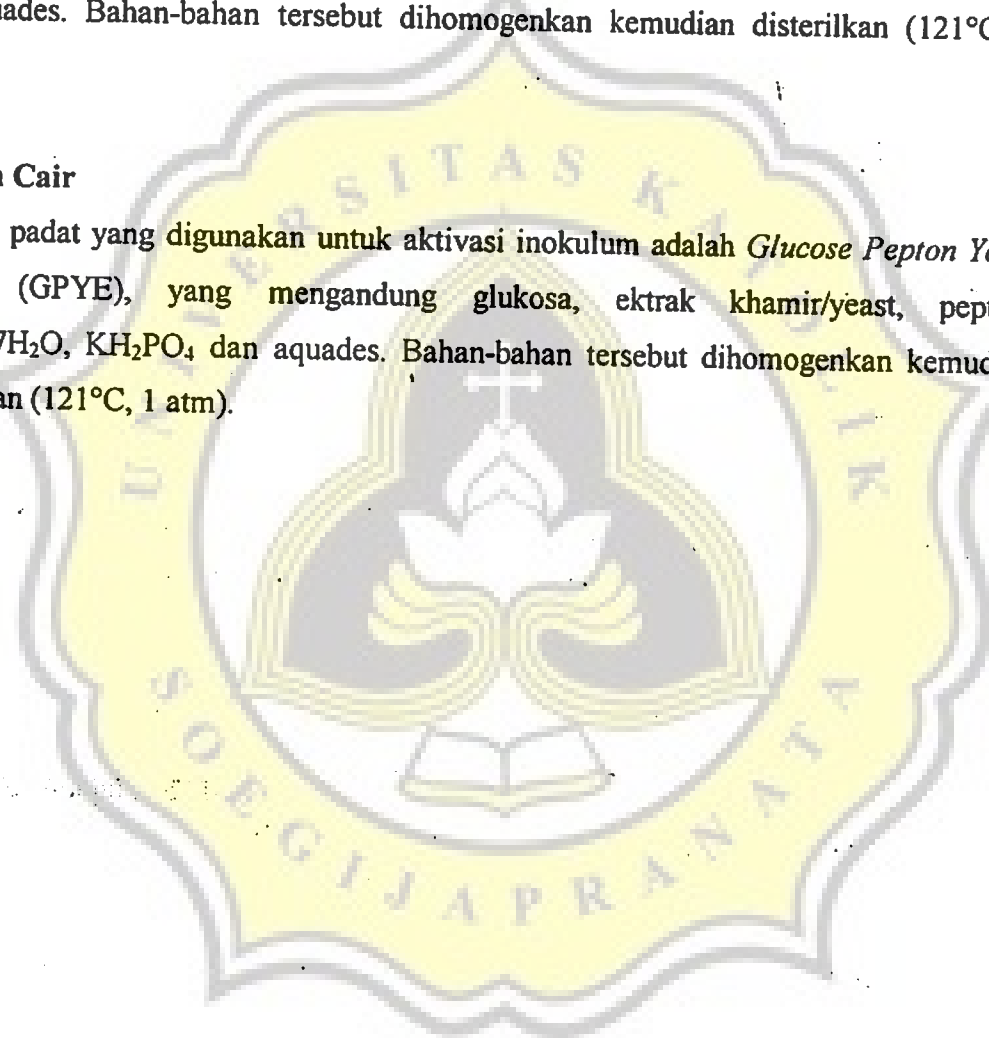
### *S. cerevisiae*

#### Medium Padat

Medium cair yang digunakan untuk aktivasi inokulum adalah *Glucose Pepton Yeast Extract* (GPYE), yang mengandung glukosa, ekstrak khamir/yeast, pepton, tepung agar, dan aquades. Bahan-bahan tersebut dihomogenkan kemudian disterilkan (121°C, 1 atm).

#### Medium Cair

Medium padat yang digunakan untuk aktivasi inokulum adalah *Glucose Pepton Yeast Extract* (GPYE), yang mengandung glukosa, ekstrak khamir/yeast, pepton,  $MgSO_4 \cdot 7H_2O$ ,  $KH_2PO_4$  dan aquades. Bahan-bahan tersebut dihomogenkan kemudian disterilkan (121°C, 1 atm).



## LAMPIARAN 2. METODE PENGUJIAN KADAR GULA REDUKSI DAN KADAR ALKOHOL

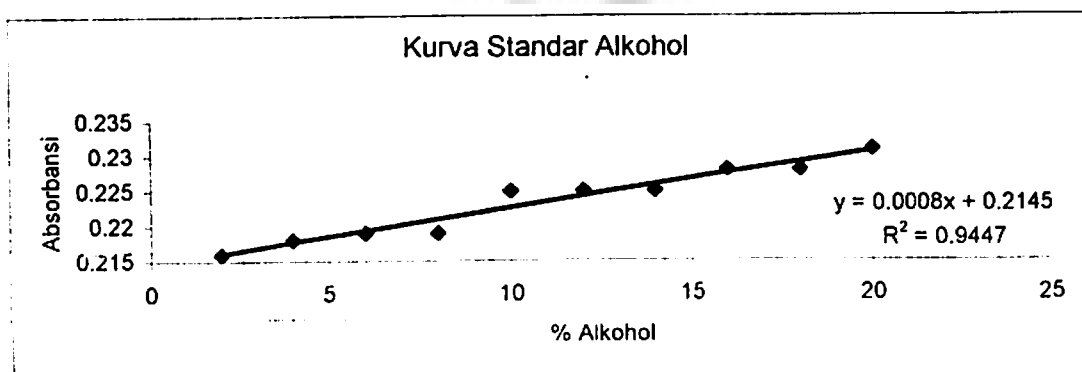
### METODE LUFF SCHOORL (PENGUJIAN KADAR GULA REDUKSI)

- Menimbang 2,5 g sampel dan mengencerkannya sampai 100 ml.
- Mengambil 10 ml sample dan ditambah dengan 10 ml larutan Luff Schoorl, lalu panaskan dengan pendingin balik selama 10 menit dan dinginkan.
- Menambahkan 6 ml KI 20%, 10 ml H<sub>2</sub>SO<sub>4</sub> 26,5% dan 2 tetes pati 1%, kemudian tirasi menggunakan larutan Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 0,1N.
- Kadar gula reduksi diperoleh dengan cara membandingkan volume titrasi dengan tabel pengujian kadar gula reduksi.

### METODE MIKRO DIFUSI CONWAY (PENGUJIAN KADAR ALKOHOL)

- Mengambil 1 ml sampel ditambah 1 ml larutan mikro difusi conway (300 ml K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> 0,7N dilarutkan dalam 100 ml H<sub>2</sub>SO<sub>4</sub> pa dan diencerkan hingga 500 ml).
- Memasukkan sampel ke dalam penangas air pada suhu 90°C selama 6 menit dan kemudian diencerkan menjadi 10 ml kemudian dibaca dengan spektrofotometer dengan panjang gelombang 585 nm.
- Kadar alkohol yang diperoleh dengan cara membandingkan sampel terukur dengan alkohol murni yang telah diketahui konsentrasinya.

### KURVA STANDAR KADAR ALKOHOL



### LAMPIRAN 3. Lembar Kuisisioner Panelis

## LEMBAR KUISISIONER

Umur :

Tanggal pengujian :

Terima kasih sebelumnya atas kesediaan Saudara/i menjadi panelis dalam uji organoleptik kami. Saat ini dihadapan Saudara/i terdapat sample produk minuman beralkohol. Anda dimohon untuk menilai tingkat kesukaan berdasarkan aroma, rasa dan warna dari sample tersebut dengan memberi nilai pada setiap sample sebagai berikut:

- 1 = sangat tidak suka
- 2 = tidak suka
- 3 = suka
- 4 = sangat suka

Penulisan nilai tingkat kesukaan aroma, rasa dan warna sesuai dengan deretan kode masing-masing sampel.

KODE SAMPEL	AROMA	RASA	WARNA
125			
217			
365			
221			
542			
303			
660			
139			
712			

## LAMPIRAN 4. Hasil Uji Mann Whitney-U (Nonparametrik)

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
BRIK_SBL	27	14,0235	3,1887	9,95	17,99
BRIK_STL	27	3,7374	,8329	2,73	5,33
JAHE	27	2,0000	,8321	1,00	3,00

### Kruskal-Wallis Test

#### Ranks

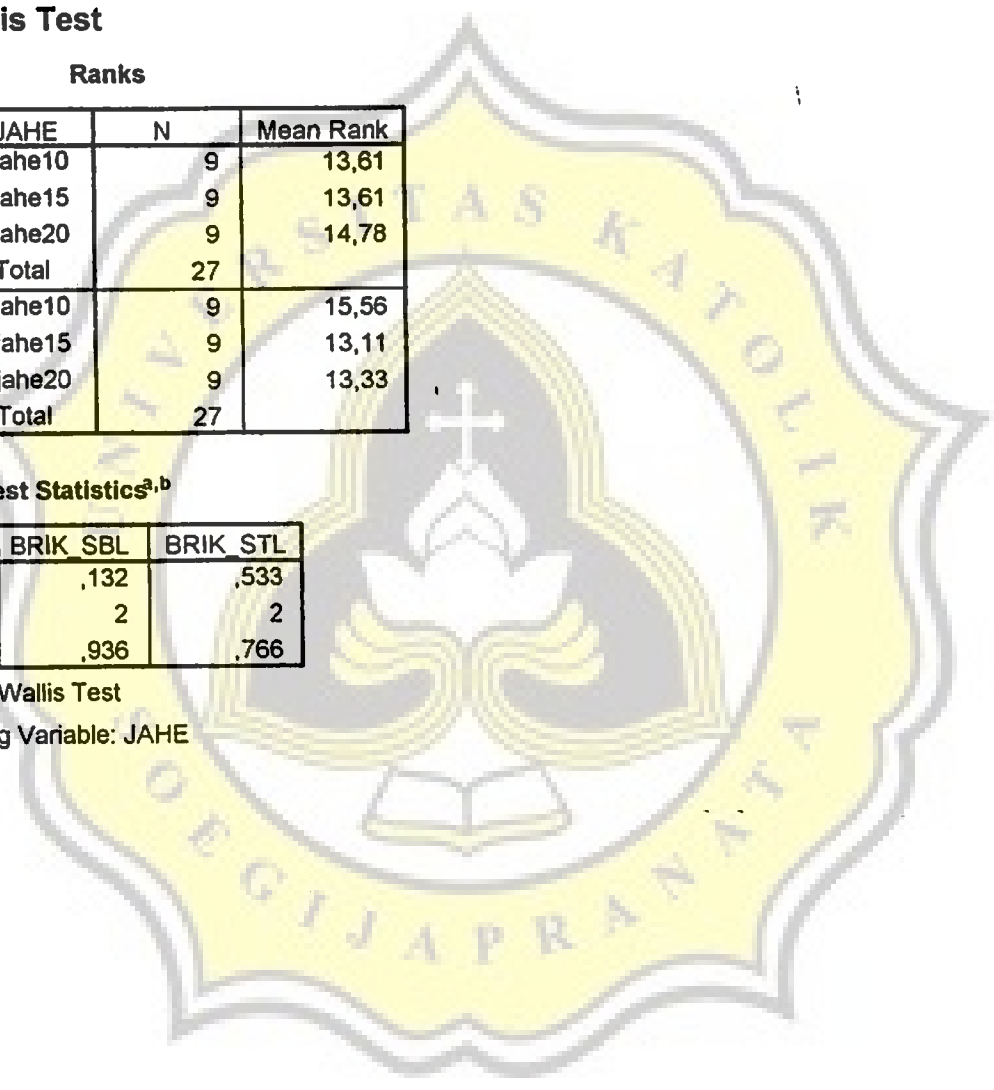
	JAHE	N	Mean Rank
BRIK_SBL	jahe10	9	13,61
	jahe15	9	13,61
	jahe20	9	14,78
	Total	27	
BRIK_STL	jahe10	9	15,56
	jahe15	9	13,11
	jahe20	9	13,33
	Total	27	

#### Test Statistics<sup>a,b</sup>

	BRIK_SBL	BRIK_STL
Chi-Square	,132	,533
df	2	2
Asymp. Sig.	,936	,766

a. Kruskal Wallis Test

b. Grouping Variable: JAHE



## NPar Tests

### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
BRIK_SBL	27	14,0235	3,1887	9,95	17,99
BRIK_STL	27	3,7374	,8329	2,73	5,33
GULA	27	2,0000	,8321	1,00	3,00

## Kruskal-Wallis Test

### Ranks

	GULA	N	Mean Rank
BRIK_SBL	gula10	9	5,00
	gula15	9	14,00
	gula20	9	23,00
	Total	27	
BRIK_STL	gula10	9	5,00
	gula15	9	14,00
	gula20	9	23,00
	Total	27	

### Test Statistics<sup>a,b</sup>

	BRIK_SBL	BRIK_STL
Chi-Square	23,648	23,619
df	2	2
Asymp. Sig.	,000	,000

a. Kruskal Wallis Test

b. Grouping Variable: GULA

## Mann-Whitney Test

### Ranks

	GULA	N	Mean Rank	Sum of Ranks
BRIK_SBL	gula10	9	5,00	45,00
	gula20	9	14,00	126,00
	Total	18		
BRIK_STL	gula10	9	5,00	45,00
	gula20	9	14,00	126,00
	Total	18		

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

	BRIK_SBL	BRIK_STL
Mann-Whitney U	,000	,000
Wilcoxon W	45,000	45,000
Z	-3,688	-3,660
Asymp. Sig. (2-tailed)	,000	,000
Exact Sig. [2*(1-tailed Sig.)]	,000 <sup>a</sup>	,000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: GULA

**Mann-Whitney Test**

**Ranks**

GULA		N	Mean Rank	Sum of Ranks
BRIK_SBL	gula10	9	5,00	45,00
	gula15	9	14,00	126,00
	Total	18		
BRIK_STL	gula10	9	5,00	45,00
	gula15	9	14,00	126,00
	Total	18		

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

	BRIK_SBL	BRIK_STL
Mann-Whitney U	,000	,000
Wilcoxon W	45,000	45,000
Z	-3,641	-3,676
Asymp. Sig. (2-tailed)	,000	,000
Exact Sig. [2*(1-tailed Sig.)]	,000 <sup>a</sup>	,000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: GULA

**Mann-Whitney Test**

**Ranks**

GULA		N	Mean Rank	Sum of Ranks
BRIK_SBL	gula15	9	5,00	45,00
	gula20	9	14,00	126,00
	Total	18		
BRIK_STL	gula15	9	5,00	45,00
	gula20	9	14,00	126,00
	Total	18		

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

	BRIK_SBL	BRIK_STL
Mann-Whitney U	,000	,000
Wilcoxon W	45,000	45,000
Z	-3,668	-3,645
Asymp. Sig. (2-tailed)	,000	,000
Exact Sig. [2*(1-tailed Sig.)]	,000 <sup>a</sup>	,000 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: GULA

**Kruskal-Wallis Test**

**Ranks**

	JAHE	N	Mean Rank
GRED_SBL	jahe10	9	20,83
	jahe15	9	9,67
	jahe20	9	11,50
	Total	27	
GRED_STL	jahe10	9	17,22
	jahe15	9	14,67
	jahe20	9	10,11
	Total	27	

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

	GRED_SBL	GRED_STL
Chi-Square	10,948	3,914
df	2	2
Asymp. Sig.	,004	,141

a. Kruskal Wallis Test

b. Grouping Variable: JAHE

**Mann-Whitney Test**

**Ranks**

	JAHE	N	Mean Rank	Sum of Ranks
GRED_SBL	jahe10	9	12,94	116,50
	jahe15	9	6,06	54,50
	Total	18		

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

	GRED SBL
Mann-Whitney U	9,500
Wilcoxon W	54,500
Z	-2,788
Asymp. Sig. (2-tailed)	,005
Exact Sig. [2*(1-tailed Sig.)]	,004 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: JAHE

**Mann-Whitney Test**

**Ranks**

JAHE	N	Mean Rank	Sum of Ranks
GRED_SBL jahe10	9	12,89	116,00
jahe20	9	6,11	55,00
Total	18		

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

	GRED SBL
Mann-Whitney U	10,000
Wilcoxon W	55,000
Z	-2,798
Asymp. Sig. (2-tailed)	,005
Exact Sig. [2*(1-tailed Sig.)]	,006 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: JAHE

**Mann-Whitney Test**

**Ranks**

JAHE	N	Mean Rank	Sum of Ranks
GRED_SBL jahe15	9	8,61	77,50
jahe20	9	10,39	93,50
Total	18		



### Test Statistics<sup>b</sup>

	GRED_SBL
Mann-Whitney U	32,500
Wilcoxon W	77,500
Z	-,764
Asymp. Sig. (2-tailed)	,445
Exact Sig. [2*(1-tailed Sig.)]	,489 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: JAHE

### NPar Tests

#### Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
GRED_SBL	27	2,4994	,8269	1,20	4,20
GRED_STL	27	1,9037	,7106	,60	3,00
GULA	27	2,0000	,8321	1,00	3,00

### Kruskal-Wallis Test

#### Ranks

	GULA	N	Mean Rank
GRED_SBL	gula10	9	13,06
	gula15	9	13,22
	gula20	9	15,72
	Total	27	
GRED_STL	gula10	9	12,89
	gula15	9	9,78
	gula20	9	19,33
	Total	27	

### Test Statistics<sup>a,b</sup>

	GRED_SBL	GRED_STL
Chi-Square	,681	7,165
df	2	2
Asymp. Sig.	,711	,028

a. Kruskal Wallis Test

b. Grouping Variable: GULA

## Mann-Whitney Test

### Ranks

JAHE	N	Mean Rank	Sum of Ranks
GRED_STL jahe10	9	10,28	92,50
jahe15	9	8,72	78,50
Total	18		

### Test Statistics<sup>a</sup>

	GRED STL
Mann-Whitney U	33,500
Wilcoxon W	78,500
Z	-,634
Asymp. Sig. (2-tailed)	,526
Exact Sig. [2*(1-tailed Sig.)]	,546 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: JAHE

## Mann-Whitney Test

### Ranks

JAHE	N	Mean Rank	Sum of Ranks
GRED_STL jahe10	9	11,94	107,50
jahe20	9	7,06	63,50
Total	18		

### Test Statistics<sup>a</sup>

	GRED STL
Mann-Whitney U	18,500
Wilcoxon W	63,500
Z	-2,050
Asymp. Sig. (2-tailed)	,040
Exact Sig. [2*(1-tailed Sig.)]	,050 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: JAHE

## Mann-Whitney Test

### Ranks

JAHE	N	Mean Rank	Sum of Ranks
GRED_STL jahe15	9	10,94	98,50
jahe20	9	8,06	72,50
Total	18		

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

	<b>GRED STL</b>
Mann-Whitney U	27,500
Wilcoxon W	72,500
Z	-1,205
Asymp. Sig. (2-tailed)	,228
Exact Sig. [2*(1-tailed Sig.)]	,258 <sup>a</sup>

a. Not corrected for ties.

b. Grouping Variable: JAHE



**LAMPIRAN 5. Analisa Oneway Anova**  
**Oneway**

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
PH_SBL	Between Groups	5,746E-02	8	7,182E-03	6,298	,001
	Within Groups	2,053E-02	18	1,140E-03		
	Total	7,798E-02	26			
PH_STL	Between Groups	,395	8	4,940E-02	44,023	,000
	Within Groups	2,020E-02	18	1,122E-03		
	Total	,415	26			

**Post Hoc Tests**  
**Homogeneous Subsets**

**PH\_SBL**

Duncan<sup>a</sup>

PERLAK	N	Subset for alpha = .05			
		1	2	3	4
jahe10:gula15	3	2,6133			
jahe10:gula20	3	2,6667	2,6667		
jahe15:gula10	3		2,6800	2,6800	
jahe15:gula15	3		2,6867	2,6867	
jahe15:gula20	3		2,7000	2,7000	
jahe20:gula15	3		2,7133	2,7133	
jahe10:gula10	3		2,7239	2,7239	
jahe20:gula10	3			2,7333	2,7333
jahe20:gula20	3				2,7900
Sig.		,069	,080	,102	,055

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**PH\_STL**

Duncan<sup>a</sup>

PERLAK	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
jahe10:gula20	3	4,0267						
jahe10:gula15	3	4,0667	4,0667					
jahe10:gula10	3		4,1100	4,1100				
jahe15:gula20	3			4,1400				
jahe20:gula20	3				4,2167			
jahe15:gula15	3				4,2533	4,2533		
jahe20:gula15	3					4,3100	4,3100	
jahe15:gula10	3						4,3367	
jahe20:gula10	3							4,3967
Sig.		,161	,131	,287	,197	,053	,343	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

# Oneway

## ANOVA

ALKOHOL

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	505,208	8	63,151	2,258	,072
Within Groups	503,385	18	27,966		
Total	1008,594	26			

## Post Hoc Tests , Homogeneous Subsets

ALKOHOL

Duncan<sup>a</sup>

PERLAK	N	Subset for alpha = .05		
		1	2	3
jahe10:gula20	3	11,8750		
jahe20:gula10	3	13,9583	13,9583	
jahe10:gula15	3	14,7917	14,7917	14,7917
jahe15:gula20	3	15,6250	15,6250	15,6250
jahe15:gula10	3	18,3333	18,3333	18,3333
jahe20:gula15	3	19,3750	19,3750	19,3750
jahe20:gula20	3		23,1250	23,1250
jahe10:gula10	3		23,5417	23,5417
jahe15:gula15	3			24,3750
Sig.		,139	,065	,065

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## LAMPIRAN 6. Analisa Korelasi pH dan Kadar Alkohol Serta Tabulasi Silang Aroma, Rasa dan Warna Dari Berbagai Formulasi Minuman Fermentasi Sari Jahe

### Correlations

Correlations

		JAHE	GULA	PH_SBL	PH_STL
JAHE	Pearson Correlation	1,000	,000	,589**	,790**
	Sig. (2-tailed)	.	1,000	,001	,000
	N	27	27	27	27
GULA	Pearson Correlation	,000	1,000	,049	-,505**
	Sig. (2-tailed)	1,000	.	,807	,007
	N	27	27	27	27
PH_SBL	Pearson Correlation	,589**	,049	1,000	,348
	Sig. (2-tailed)	,001	,807	.	,075
	N	27	27	27	27
PH_STL	Pearson Correlation	,790**	-,505**	,348	1,000
	Sig. (2-tailed)	,000	,007	,075	.
	N	27	27	27	27

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

### Correlations

Correlations

		JAHE	GULA	ALKOHOL
JAHE	Pearson Correlation	1	,000	,139
	Sig. (2-tailed)	.	1,000	,489
	N	27	27	27
GULA	Pearson Correlation	,000	1	-,116
	Sig. (2-tailed)	1,000	.	,565
	N	27	27	27
ALKOHOL	Pearson Correlation	,139	-,116	1
	Sig. (2-tailed)	,489	,565	.
	N	27	27	27

PERLAK \* AROMA

Crosstab

			AROMA				Total
			stgtdksuka	tdksuka	suka	sgtsuka	
PERLAK	jahe10:gula10	Count	5	9	11	5	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	16.7%	30.0%	36.7%	16.7%	100.0%
		% within AROMA	22.7%	10.6%	8.7%	13.9%	11.1%
		% of Total	1.9%	3.3%	4.1%	1.9%	11.1%
	jahe10:gula15	Count	3	9	14	4	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	10.0%	30.0%	46.7%	13.3%	100.0%
		% within AROMA	13.6%	10.6%	11.0%	11.1%	11.1%
		% of Total	1.1%	3.3%	5.2%	1.5%	11.1%
	jahe10:gula20	Count	3	9	14	4	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	10.0%	30.0%	46.7%	13.3%	100.0%
		% within AROMA	13.6%	10.6%	11.0%	11.1%	11.1%
		% of Total	1.1%	3.3%	5.2%	1.5%	11.1%
	jahe15:gula10	Count	0	14	11	5	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	.0%	46.7%	36.7%	16.7%	100.0%
		% within AROMA	.0%	16.5%	8.7%	13.9%	11.1%
		% of Total	.0%	5.2%	4.1%	1.9%	11.1%
	jahe15:gula15	Count	0	13	14	3	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	.0%	43.3%	46.7%	10.0%	100.0%
		% within AROMA	.0%	15.3%	11.0%	8.3%	11.1%
		% of Total	.0%	4.8%	5.2%	1.1%	11.1%
	jahe15:gula20	Count	5	10	13	2	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	16.7%	33.3%	43.3%	6.7%	100.0%
		% within AROMA	22.7%	11.8%	10.2%	5.6%	11.1%
		% of Total	1.9%	3.7%	4.8%	.7%	11.1%
	jahe20:gula10	Count	2	4	16	8	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	6.7%	13.3%	53.3%	26.7%	100.0%
		% within AROMA	9.1%	4.7%	12.6%	22.2%	11.1%
		% of Total	.7%	1.5%	5.9%	3.0%	11.1%
	jahe20:gula15	Count	3	9	17	1	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	10.0%	30.0%	56.7%	3.3%	100.0%
		% within AROMA	13.6%	10.6%	13.4%	2.8%	11.1%
		% of Total	1.1%	3.3%	6.3%	.4%	11.1%
	jahe20:gula20	Count	1	8	17	4	30
		Expected Count	2.4	9.4	14.1	4.0	30.0
		% within PERLAK	3.3%	26.7%	56.7%	13.3%	100.0%
		% within AROMA	4.5%	9.4%	13.4%	11.1%	11.1%
		% of Total	.4%	3.0%	6.3%	1.5%	11.1%
Total		Count	22	85	127	36	270
		Expected Count	22.0	85.0	127.0	36.0	270.0
		% within PERLAK	8.1%	31.5%	47.0%	13.3%	100.0%
		% within AROMA	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	8.1%	31.5%	47.0%	13.3%	100.0%

PERLAK \* RASA

Crosstab

			RASA				Total
			stgtdksuka	tdksuka	suka	sgtsuka	
PERLAK	jahe10:gula10	Count	5	15	9	1	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	16.7%	50.0%	30.0%	3.3%	100.0%
		% within RASA	8.1%	12.9%	12.2%	5.6%	11.1%
		% of Total	1.9%	5.6%	3.3%	4%	11.1%
	jahe10:gula15	Count	3	16	9	2	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	10.0%	53.3%	30.0%	6.7%	100.0%
		% within RASA	4.8%	13.8%	12.2%	11.1%	11.1%
		% of Total	1.1%	5.9%	3.3%	7%	11.1%
	jahe10:gula20	Count	5	8	10	7	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	16.7%	26.7%	33.3%	23.3%	100.0%
		% within RASA	8.1%	6.9%	13.5%	38.9%	11.1%
		% of Total	1.9%	3.0%	3.7%	2.6%	11.1%
	jahe15:gula10	Count	10	14	6	0	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	33.3%	46.7%	20.0%	0%	100.0%
		% within RASA	16.1%	12.1%	8.1%	0%	11.1%
		% of Total	3.7%	5.2%	2.2%	0%	11.1%
	jahe15:gula15	Count	9	17	3	1	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	30.0%	56.7%	10.0%	3.3%	100.0%
		% within RASA	14.5%	14.7%	4.1%	5.6%	11.1%
		% of Total	3.3%	6.3%	1.1%	4%	11.1%
	jahe15:gula20	Count	6	10	11	3	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	20.0%	33.3%	36.7%	10.0%	100.0%
		% within RASA	9.7%	8.6%	14.9%	16.7%	11.1%
		% of Total	2.2%	3.7%	4.1%	1.1%	11.1%
	jahe20:gula10	Count	12	13	5	0	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	40.0%	43.3%	16.7%	0%	100.0%
		% within RASA	19.4%	11.2%	6.8%	0%	11.1%
		% of Total	4.4%	4.8%	1.9%	0%	11.1%
	jahe20:gula15	Count	8	13	6	1	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	26.7%	43.3%	26.7%	3.3%	100.0%
		% within RASA	12.9%	11.2%	10.8%	5.6%	11.1%
		% of Total	3.0%	4.8%	3.0%	4%	11.1%
	jahe20:gula20	Count	4	10	13	3	30
		Expected Count	6.9	12.9	8.2	2.0	30.0
		% within PERLAK	13.3%	33.3%	43.3%	10.0%	100.0%
		% within RASA	6.5%	8.6%	17.6%	16.7%	11.1%
		% of Total	1.5%	3.7%	4.8%	1.1%	11.1%
Total		Count	62	116	74	18	270
		Expected Count	62.0	116.0	74.0	18.0	270.0
		% within PERLAK	23.0%	43.0%	27.4%	6.7%	100.0%
		% within RASA	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	23.0%	43.0%	27.4%	6.7%	100.0%



PERLAK \* WARNA

Crosstab

		WARNA				Total	
		stgtdksuka	tdksuka	suka	sgtsuka		
PERLAK	jahe10:gula10	Count	1	3	13	13	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	3.3%	10.0%	43.3%	43.3%	100.0%
		% within WARNA	5.9%	4.9%	9.4%	24.5%	11.1%
		% of Total	.4%	1.1%	4.8%	4.8%	11.1%
	jahe10:gula15	Count	0	3	17	10	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	.0%	10.0%	56.7%	33.3%	100.0%
		% within WARNA	.0%	4.9%	12.2%	18.9%	11.1%
		% of Total	.0%	1.1%	6.3%	3.7%	11.1%
	jahe10:gula20	Count	0	3	16	11	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	.0%	10.0%	53.3%	36.7%	100.0%
		% within WARNA	.0%	4.9%	11.5%	20.8%	11.1%
		% of Total	.0%	1.1%	5.9%	4.1%	11.1%
	jahe15:gula10	Count	0	8	21	1	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	.0%	26.7%	70.0%	3.3%	100.0%
		% within WARNA	.0%	13.1%	15.1%	1.9%	11.1%
		% of Total	.0%	3.0%	7.8%	.4%	11.1%
	jahe15:gula15	Count	0	9	19	2	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	.0%	30.0%	63.3%	6.7%	100.0%
		% within WARNA	.0%	14.8%	13.7%	3.8%	11.1%
		% of Total	.0%	3.3%	7.0%	.7%	11.1%
	jahe15:gula20	Count	3	5	16	6	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	10.0%	16.7%	53.3%	20.0%	100.0%
		% within WARNA	17.6%	8.2%	11.5%	11.3%	11.1%
		% of Total	1.1%	1.9%	5.9%	2.2%	11.1%
	jahe20:gula10	Count	9	13	7	1	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	30.0%	43.3%	23.3%	3.3%	100.0%
		% within WARNA	52.9%	21.3%	5.0%	1.9%	11.1%
		% of Total	3.3%	4.8%	2.6%	.4%	11.1%
	jahe20:gula15	Count	4	9	14	3	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	13.3%	30.0%	46.7%	10.0%	100.0%
		% within WARNA	23.5%	14.8%	10.1%	5.7%	11.1%
		% of Total	1.5%	3.3%	5.2%	1.1%	11.1%
	jahe20:gula20	Count	0	8	16	6	30
		Expected Count	1.9	6.8	15.4	5.9	30.0
		% within PERLAK	.0%	26.7%	53.3%	20.0%	100.0%
		% within WARNA	.0%	13.1%	11.5%	11.3%	11.1%
		% of Total	.0%	3.0%	5.9%	2.2%	11.1%
Total	Count	17	61	139	53	270	
	Expected Count	17.0	61.0	139.0	53.0	270.0	
	% within PERLAK	6.3%	22.6%	51.5%	19.6%	100.0%	
	% within WARNA	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	6.3%	22.6%	51.5%	19.6%	100.0%	