

BAB V

KESIMPULAN DAN SARAN

A. Kesimpulan

Berdasarkan hasil penelitian dapat diambil kesimpulan sebagai berikut:

1. Formulasi lotio kummerfeldi dengan perasan lemon dan kombinasi PGA dapat dibuat lotio.
2. Formulasi lotio kummerfeldi dengan perasan lemon dan kombinasi PGA dapat memenuhi uji mutu fisik lotio.

B. Saran

1. Perlu dilakukannya penelitian lebih lanjut pembuatan lotio kummefeldi dengan penambahan perasan lemon dengan konsentrasi *suspending agent* yang berbeda.
2. Perlu dilakukan penelitian mengenai pembuatan lotio kummerfeldi dengan penambahan perasan lemon dengan *suspending agent* yang lain.
3. Perlu dilakukan penelitian mengenai pembuatan lotio kummerfeldi dengan penambahan perasan lemon dengan pengujian yang berbeda seperti uji redispersibilitas dan uji sedimentasi.

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L

A

M

P

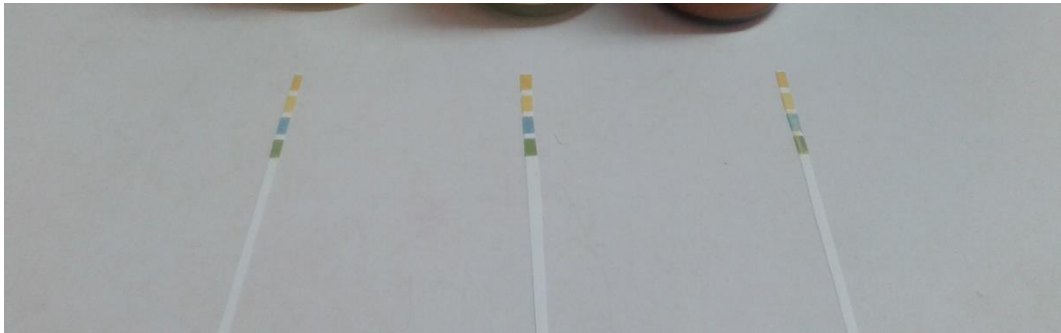
I

R

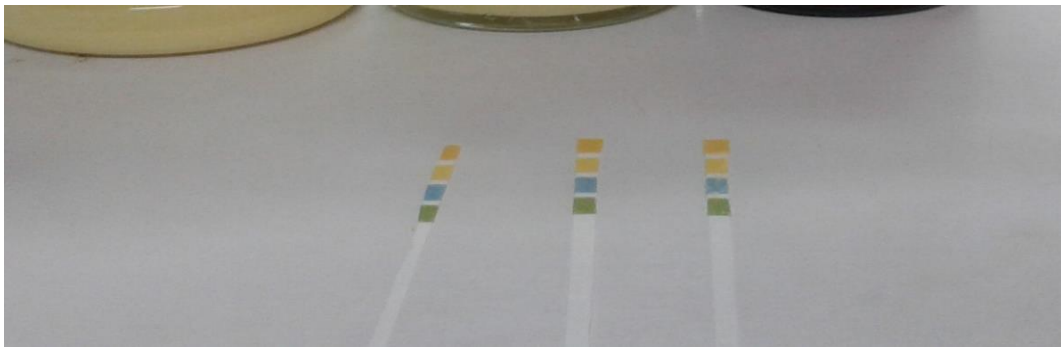
A

N

Lampiran 1. Gambar Hasil Uji pH untuk mengetahui tingkat keasaman



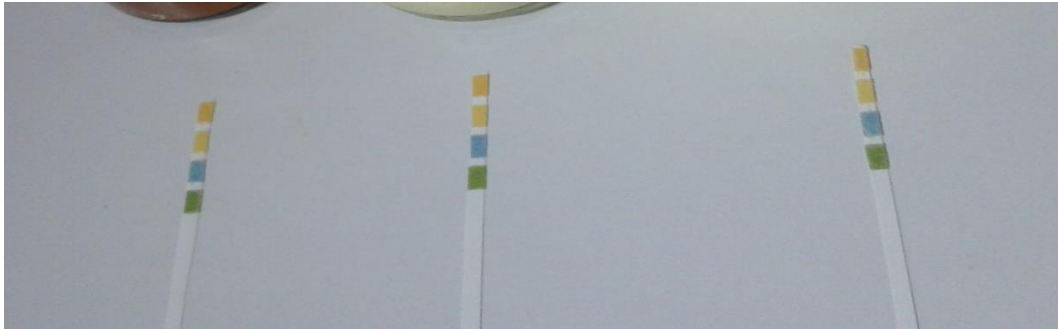
Hasil uji pH pada minggu ke 0



Hasil uji pH minggu ke 1



Hasil uji pH minggu ke 2



Hasil uji pH minggu ke 3



Hasil uji viskositas formula 1



Hasil uji viskositas formula 2



Hasil uji viskositas formula 3



Alat viskometer

Lampiran 2. Uji Statistik

Warning # 849 in column 23. Text: in_ID

The LOCALE subcommand of the SET command has an invalid parameter. It could

not be mapped to a valid backend locale.

NPART TESTS

/K-S(NORMAL)=formulasilotiokumerfeldi viskositas

/STATISTICS DESCRIPTIVES

/MISSING ANALYSIS.

NPar Tests

Notes

Output Created		20-JUL-2019 12:17:36
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPART TESTS
		/K-
		S(NORMAL)=formulasilotioku merfeldi viskositas
		/STATISTICS DESCRIPTIVES
Resources		/MISSING ANALYSIS.
	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,03
	Number of Cases Allowed ^a	157286

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
formulas lotio kumerfeldi	12	2,00	,853	1	3
viskositas	12	2,217	,2588	1,8	2,6

One-Sample Kolmogorov-Smirnov Test

		formulas lotio kumerfeldi	viskositas
N		12	12
Normal Parameters ^{a,b}	Mean	2,00	2,217
	Std. Deviation	,853	,2588
	Absolute	,213	,141
Most Extreme Differences	Positive	,213	,132
	Negative	-,213	-,141
Kolmogorov-Smirnov Z		,737	,488
Asymp. Sig. (2-tailed)		,648	,971

a. Test distribution is Normal.

b. Calculated from data.

ONEWAY viskositas BY formulasilotiokumerfeldi
/STATISTICS HOMOGENEITY
/MISSING ANALYSIS.

Oneway

Notes

Output Created		20-JUL-2019 12:18:05
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Cases Used		Statistics for each analysis are based on cases with no missing data for any variable in the analysis. ONEWAY viskositas BY formulasilotiokumerfeldi /STATISTICS HOMOGENEITY /MISSING ANALYSIS.
Syntax		
Resources	Processor Time	00:00:00,06
	Elapsed Time	00:00:00,06

Test of Homogeneity of Variances

viskositas

Levene Statistic	df1	df2	Sig.
,107	2	9	,900

ANOVA

viskositas

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,452	2	,226	7,132	,014
Within Groups	,285	9	,032		
Total	,737	11			

ONEWAY viskositas BY formulasilotiokumerfeldi
/STATISTICS HOMOGENEITY
/MISSING ANALYSIS
/POSTHOC=SNK ALPHA(0.05).

Oneway

Notes

Output Created		20-JUL-2019 12:18:53
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>

	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.	
Syntax		ONEWAY viskositas BY formulasilotiokumerfeldi /STATISTICS HOMOGENEITY /MISSING ANALYSIS /POSTHOC=SNK ALPHA(0.05).	
Resources	Processor Time		00:00:00,00
	Elapsed Time		00:00:00,06

Test of Homogeneity of Variances

viskositas

Levene Statistic	df1	df2	Sig.
,107	2	9	,900

ANOVA

viskositas

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,452	2	,226	7,132	,014
Within Groups	,285	9	,032		
Total	,737	11			

Post Hoc Tests

Homogeneous Subsets

viskositas

Student-Newman-Keuls^a

formulas lotio kumerfeldi	N	Subset for alpha = 0.05	
		1	2
formula 1	4	1,975	
formula 2	4	2,225	2,225
formula 3	4		2,450
Sig.		,078	,107

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.