LAMPIRAN A

HASIL PENGAMATAN STANDARISASI PARAMETER SPESIFIK DAN NON SPESIFIK EKSTRAK WORTEL (*Daucus carota* L.)

A. Standarisasi parameter spesifik ekstrak wortel

Tabel 4.22. Pemeriksaan organoleptis ekstrak wortel

Pemeriksaan	Ekstrak wortel
Bentuk	Serbuk
Warna	Orange Muda
Bau	Khas aromatik

Tabel 4.23. Hasil pemeriksaan sifat fisik penentuan pH ekstrak wortel

Replikasi	Ekstrak wortel
1	6,32
2	6,02
3	6,00
$\overline{X}$ ± SD	6,11 ± 0,17

Tabel 4.24. Hasil uji kadar sari larut air ekstrak wortel

Replikasi	Berat cawan (g)	Berat ekstrak (g)	Berat konstan atau yang sudah dipanaskan (g)	% kadar
1	35,5190	5,0122	36,5361	20,29
2	75,7737	5,0033	76,7417	19,34
3	58,5193	5,0061	59,5030	19,65
$\overline{X}$				19,76
± SD				± 0,48

Contoh cara perhitungan :

$$\frac{\text{Berat konstan atau yang sudah dipanaskan} - \text{berat cawan} \times 100\%}{\text{Berat ekstrak}} =$$

$$\frac{36{,}5361 - 35{,}5190 \times 100\%}{5{,}0122} = 20{,}29\ \%$$

Tabel 4.25. Hasil uji kadar sari larut alkohol ekstrak wortel

Replikasi	Berat cawan (g)	Berat ekstrak (g)	Berat konstan atau yang sudah dipanaskan (g)	% kadar
1	41.0726	5,078	41,1889	2,2
2	42,8185	5,014	42,9202	2,02
3	44,7530	5,0034	44,8690	2,11
$\overline{X}$ ± SD				2,11 ± 0,09

Contoh cara perhitungan :

$$\frac{\text{Berat konstan atau yang sudah dipanaskan – berat cawan x 100\%}}{\text{Berat ekstrak}} =$$

$$\frac{41{,}1889 - 41{,}0726 \text{x } 100\%}{5{,}078} = 2{,}2\ \%$$

B. Standarisasi parameter spesifik ekstrak wortel

Tabel 4.26. Hasil pemeriksaan uji susut pengeringan ekstrak wortel

Replikasi	Ekstrak wortel
1	1,2
2	1,4
3	1,3
$\overline{X}$ ± SD	1,3 ± 0,1

Tabel 4.27. Hasil uji kadar air ekstrak wortel

Replikasi	Berat cawan (g)	Berat cawan + ekstrak (g)	Berat cawan + ekstrak konstan (g)	% kadar
1	22,2045	24,2597	24,1076	2,0173
2	23,4033	25,4981	25,3445	0,6023
3	23,7894	25,8790	25,6999	0,6921
$\overline{X}$ ± SD				0,6472 ± 0,0634

Contoh cara perhitungan :

$$\frac{(\text{Berat cawan + ekstrak}) - (\text{berat cawan + ekstrak konstan}) \times 100\%}{\text{Berat cawan + ekstrak}} =$$

$$\frac{25{,}4981 - 25{,}3445 \times 100\%}{25{,}4981} = 0{,}6023\%$$

Tabel 4.28. Hasil uji kadar abu total ekstrak wortel

Replikasi	Berat krus (g)	Berat ekstrak (g)	Berat krus + abu konstan (g)	% kadar
1	22,2271	2,5018	22,3664	5,56
2	21,2816	2,5169	21,4206	5,52
3	21,0179	2,5146	21,1602	5,65
$\overline{X}$ ± SD				5,57 ± 0,06

Contoh cara perhitungan :

$$\frac{(\text{Berat krus + abu konstan}) - \text{berat krus} \times 100\%}{\text{Berat ekstrak}} =$$

$$\frac{22{,}3664 - 22{,}2271 \times 100\%}{2{,}5018} = 5{,}56\ \%$$

Tabel 4.29. Hasil uji kadar abu tidak larut asam ekstrak wortel

Replikasi	Berat krus (g)	Berat krus + abu (g)	Berat abu + HCl konstan (g)	% kadar
1	34,2472	34,5671	34,4322	57,83
2	33,2356	33,5153	33,4044	60,35
3	34,2005	34,5672	34,4315	62,99
$\overline{X}$ ± SD				60,39 ± 2,58

Contoh cara perhitungan :

$$\frac{(\text{Berat abu} + \text{HCl konstan}) - \text{berat krus} \times 100\%}{(\text{Berat krus} + \text{abu}) - \text{berat krus}} =$$

$$\frac{34{,}4322 - 34{,}2472 \times 100\%}{34{,}5671 - 34{,}2472} = 57{,}83\ \%$$

Tabel 4.30. Hasil uji kadar abu larut air ekstrak wortel

Replikasi	Berat krus (g)	Berat krus + abu konstan (g)	Berat abu + aquades (g)	% kadar
1	22,0774	22,1605	22,1379	72,8
2	21,8904	21,9956	21,9349	42,3
3	23,7822	23,8829	23,8344	51,8
$\bar{X}$ ± SD				55,63 ± 15,6

Contoh cara perhitungan :

$$\frac{\text{Berat abu setelah penambahan aquades} \times 100\%}{(\text{Berat krus} + \text{abu}) - \text{berat krus}} =$$

$$\frac{22{,}1379 - 22{,}0774 \times 100\%}{22{,}1605 - 22{,}0774} = 72{,}8\%$$

Tabel 4.24. Hasil penentuan ukuran partikel ekstrak wortel

Replikasi	No. mesh	d (µm)	Ln d (µm)	Berat ekstrak yang tertahan (g)	% bobot	% FKB	Nilai Z
1	20	850	6,7452	0	0	99,84	2,95
	40	425	6,0529	0,23	0,23	99,61	2,66
	60	250	5,5215	2,45	2,45	98,16	2,09
	80	180	5,1930	6,93	6,93	91,23	1,35
	100	150	5,0106	11,28	11,28	79,95	0,84
	120	125	4,8283	20,97	20,97	58,98	0,21
	Pan	0		59,98	59,98	0	-3,9
	∑			99,84			
2	20	850	6,7452	0	0	99,5	2,58
	40	425	6,0529	1,13	1,13	98,37	2,14
	60	250	5,5215	6,3	6,3	92,07	1,41
	80	180	5,1930	11,34	11,34	80,73	0,87
	100	150	5,0106	16	16	64,73	0,38
	120	125	4,8283	17,43	17,43	47,0	-0,07
	Pan	0		47,3	47,3	0	-3,9
	∑			99,5			
3	20	850	6,7452	0	0	99,56	2,62
	40	425	6,0529	2	2	97,56	1,97
	60	250	5,5215	11,94	11,94	85,62	1,06
	80	180	5,1930	13,53	13,53	72,09	0,6
	100	150	5,0106	15,44	15,44	56,65	0,17
	120	125	4,8283	18,75	18,75	37,9	-0,31
	Pan	0		37,9	37,9	0	-3,9
	∑			99,56			

Replikasi	d 50%	d 84%	σg	dvs
1	49,94	130,84	2,6199	0,825
2	70,64	199,93	2,8302	0,943
3	83,09	242,25	2,9155	1,001

Contoh cara perhitungan :

Log dvs = log dg (50%) – 1,151 $\log^2 \sigma g$

= log 49,94 – 1,151 $\log^2$ 2,6199

= 1,6984 – 0,8724

= 0,825 µm

LAMPIRAN B

HASIL PERHITUNGAN LARUTAN PENYALUT TABLET SALUT ENTERIK EKSTRAK WORTEL

Contoh hasil perhitungan larutan penyalut :

Jumlah tablet inti : 350 biji

Jumlah total tablet inti : 236,9 gram

Jumlah HPMCP (dengan penambahan bobot 4%) :

4/100 x 236,9 = 9,476 gram

Volume pelarut campur dengan konsentrasi HPMCP 5% :

100/5 x 9,476 = 189,52 ml

Jumlah plastisaiser 0,5% : 0,5/100 x 9,476 = 0,0473 gram

Berat jenis plastisaiser : 1,4056 g/cm^3

Volume plastisaiser : $\frac{0,0473}{1,4056}$ = 0,0336 ml ~ 33,6 µl

Jumlah talk 4% : 4/100 x 9,476 = 0,3790 gram

% pelarut campuran : 189,52 – (9,476 + 0,0473) + 0,3790 = 180,37

LAMPIRAN C

HASIL PERHITUNGAN PERBANDINGAN PENGISI PADA EKSTRAK WORTEL

Contoh hasil perhitungan :

Rasio ekstrak : pengisi = 100 : 18,5

Aerosil (1) : Maltodextrin (17,5)

Dosis ekstrak untuk tiap tablet : 400 mg

Ekstrak yang harus ditimbang : 118,5/100 x 400 = 474 mg

LAMPIRAN D

HASIL PERHITUNGAN KONVERSI NILAI TINGKAT MENJADI NILAI RIIL

Contoh hasil perhitungan konversi nilai tingkat menjadi nilai riil

$$X' = \frac{X - \text{rata-rata 2 level}}{\frac{1}{2} \times \text{perbedaan level}}$$

X' : level dalam bentuk baku

X : level sesungguhnya (level dalam bentuk %)

HPMCP : $-1{,}00 = \frac{X - 7{,}5}{\frac{1}{2} \times 5}$

$X = 5\%$

Gliserol : $-1{,}00 = \frac{X - 0{,}75}{\frac{1}{2} \times 0{,}5}$

$X = 0{,}5\%$

LAMPIRAN E

HASIL ANALISIS DATA DENGAN DESIGN EXPERT SECARA FAKTOR DESIGN UNTUK RESPON KEKERASAN TABLET SALUT ENTERIK EKSTRAK WORTEL

Response 1 Kekerasan (kgf)
ANOVA for selected factorial model
Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Valu	p-value Prob > F	
Model	4.37	3	1.46	17.98	0.0087	Signifikan
A-HPMCP	*2.23*	*1*	*2.23*	*27.47*	*0.0063*	
B-Gliserol	*4.050E-003*	*1*	*4.050E-003*	*0.050*	*0.8341*	
AB	*2.14*	*1*	*2.14*	*6.43*	*0.0068*	
Pure Error	0.32	4	0.081			
Cor Total	4.70	7				

The Model F-value of 17.98 implies the model is significant. There is only a 0.87% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0.0500 indicate model terms are significant. In this case A, AB are significant model terms.
Values greater than 0.1000 indicate the model terms are not significant.
If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	0.28	R-Squared	0.9310
Mean	8.34	Adj R-Squared	8792
C.V. %	3.41	Pred R-Squared	0.7239
PRESS	1.30	Adeq Precision	10.382

The "Pred R-Squared" of 0.7239 is in reasonable agreement with the "Adj R-Squared" of 0.8792.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 10.382 indicates an adequate signal. This model can be used to navigate the design space.

Coefficient Factor	Estimate	df	Standard Error	95% CI Low	95% CI High	VIF
Intercept	8.34	1	0.10	8.06	8.62	
A-HPMCP	0.53	1	0.10	0.25	0.81	1.00
B-Gliserol	-0.023	1	0.10	-0.30	0.26	1.00
AB0.52	1	0.10	0.24	0.80	1.00	

Final Equation in Terms of Coded Factors:

Kekerasan (kgf) =
+8.34
+0.53 * A
-0.023 * B
+0.52 * A * B

Final Equation in Terms of Actual Factors:

Kekerasan (kgf) =
+8.34250
+0.52750 * HPMCP
-0.022500 * Gliserol
+0.51750 * HPMCP * Gliserol

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node.
In the Diagnostics Node, Select Case Statistics from the View Menu.

Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:
1) Normal probability plot of the studentized residuals to check for normality of residuals.
2) Studentized residuals versus predicted values to check for constant error.
3) Externally Studentized Residuals to look for outliers, i.e., influential values.
4) Box-Cox plot for power transformations.

If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN F

HASIL ANALISIS DATA DENGAN DESIGN EXPERT SECARA FAKTOR DESIGN UNTUK RESPON WAKTU HANCUR TABLET SALUT ENTERIK EKSTRAK WORTEL

Use your mouse to right click on individual cells for definitions.

Response 2 Waktu Hancur (menit)

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Valu	p-value Prob > F	
Model	1.02	3	0.34	10.80	0.0218	Signifikan
A-HPMCP	*0.71*	*1*	*0.71*	*22.77*	*0.0088*	
B-Gliserol	*2.113E-003*	*1*	*2.113E-003*	*0.067*	*0.8080*	
AB	*0.30*	*1*	*0.30*	*9.58*	*0.0364*	
Pure Error	0.13	4	0.031			
Cor Total	1.14	7				

The Model F-value of 10.80 implies the model is significant. There is only a 2.18% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0.0500 indicate model terms are significant. In this case A, AB are significant model terms.
Values greater than 0.1000 indicate the model terms are not significant.
If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	0.18	R-Squared	0.8901
Mean	12.48	Adj R-Squared	0.8077
C.V. %	1.42	Pred R-Squared	0.5606
PRESS	0.50	Adeq Precision	7.866

The "Pred R-Squared" of 0.5606 is not as close to the "Adj R-Squared" of 0.8077 as one might normally expect. This may indicate a large block effect or a possible problem with your model and/or data. Things to consider are model reduction, response transformation, outliers, etc.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 7.866 indicates an adequate signal. This model can be used to navigate the design space.

Coefficient Factor	Estimate	df	Standard Error	95% CI Low	95% CI High	VIF
Intercept	12.48	1	0.063	12.30	12.65	
A-HPMCP	-0.30	1	0.063	-0.47	-0.12	1.00
B-Gliserol	-0.016	1	0.063	-0.19	0.16	1.00
AB0.19	1	0.063	-0.37	-0.020	1.00	

Final Equation in Terms of Coded Factors:

Waktu Hancur (menit) =
+12.48
-0.30 * A
-0.016 * B
-0.19 * A * B

Final Equation in Terms of Actual Factors:

Waktu Hancur (menit) =
+12.47875
-0.29875 * HPMCP
-0.016250 * Gliserol
-0.19375 * HPMCP * Gliserol

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node. In the Diagnostics Node, Select Case Statistics from the View Menu.

Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:
1) Normal probability plot of the studentized residuals to check for normality of residuals.
2) Studentized residuals versus predicted values to check for constant error.
3) Externally Studentized Residuals to look for outliers, i.e., influential values.
4) Box-Cox plot for power transformations.

If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN G

HASIL ANALISIS DATA DENGAN DESIGN EXPERT SECARA FAKTOR DESIGN UNTUK RESPON TAMPILAN VISUAL TABLET SALUT ENTERIK EKSTRAK WORTEL

Use your mouse to right click on individual cells for definitions.

Response 3 Tampilan Visual (%)

ANOVA for selected factorial model

Analysis of variance table [Partial sum of squares - Type III]

Source	Sum of Squares	df	Mean Square	F Valu	p-value Prob > F	
Model	2.49	3	0.83	18.03	0.0087	Signifikan
A-HPMCP	0.20	1	0.21	4.38	0.1046	
B-Gliserol	1.61	1	1.61	34.97	0.0041	
AB	0.68	1	0.68	14.73	0.0185	
Pure Error	0.18	4	0.046			
Cor Total	2.68	7				

The Model F-value of 18.03 implies the model is significant. There is only a 0.87% chance that a "Model F-Value" this large could occur due to noise.

Values of "Prob > F" less than 0.0500 indicate model terms are significant. In this case B, AB are significant model terms.
Values greater than 0.1000 indicate the model terms are not significant.
If there are many insignificant model terms (not counting those required to support hierarchy), model reduction may improve your model.

Std. Dev.	0.21	R-Squared	0.9311
Mean	96.42	Adj R-Squared	0.8795
C.V. %	0.22	Pred R-Squared	0.7245
PRESS	0.74	Adeq Precision	9.752

The "Pred R-Squared" of 0.7245 is in reasonable agreement with the "Adj R-Squared" of 0.8795.

"Adeq Precision" measures the signal to noise ratio. A ratio greater than 4 is desirable. Your ratio of 9.752 indicates an adequate signal. This model

can be used to navigate the design space.

Coefficient Factor	Estimate	df	Standard Error	95% CI Low	95% CI High	VIF
Intercept	96.42	1	0.076	96.21	96.63	
A-HPMCP	-0.16	1	0.076	-0.37	0.052	1.00
B-Gliserol	0.45	1	0.076	0.24	0.66	1.00
AB0.29	1	0.076	0.081	0.50	1.00	

Final Equation in Terms of Coded Factors:

Tampilan Visual (%) =
+96.42
-0.16 * A
+0.45 * B
+0.29 * A * B

Final Equation in Terms of Actual Factors:

Tampilan Visual (%) =
+96.41875
-0.15875 * HPMCP
+0.44875 * Gliserol
+0.29125 * HPMCP * Gliserol

The Diagnostics Case Statistics Report has been moved to the Diagnostics Node.
In the Diagnostics Node, Select Case Statistics from the View Menu.

Proceed to Diagnostic Plots (the next icon in progression). Be sure to look at the:
1) Normal probability plot of the studentized residuals to check for normality of residuals.
2) Studentized residuals versus predicted values to check for constant error.
3) Externally Studentized Residuals to look for outliers, i.e., influential values.
4) Box-Cox plot for power transformations.

If all the model statistics and diagnostic plots are OK, finish up with the Model Graphs icon.

LAMPIRAN H

HASIL UJI KESERAGAMAN PERTAMBAHAN BOBOT TABLET SALUT ENTERIK EKSTRAK WORTEL

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula A bets 1

Keterangan	W Tablet Inti	Bobot Tablet Salut Replikasi 1	Replikasi 2	Replikasi 3
1	649.33	647.8	662.3	666.8
2	650.2	678	668.1	672.6
3	649.23	671.2	671.3	671.2
4	646.26	678.8	669.3	670.2
5	653.73	672.6	667.2	669.2
6	648.06	673.5	670.9	673.9
7	652.23	670.3	673.5	666.6
8	656.03	664.9	667.4	667.7
9	648.73	664.2	668.3	667.2
10	648.9	670.4	671.3	667.8
11	647.03	678.1	682.1	689.2
12	658.1	678.3	683.2	680.1
13	654.76	681.2	681.2	689.2
14	653.26	683.4	681.3	680.1
15	647.9	684.6	673.6	671.3
16	647.8	681.4	683.6	681.9
17	650.46	681.2	681.5	689.3
18	652.16	685.3	684.8	687.2
19	648.33	681.4	689.2	681.2
20	664.4	689.3	683.2	683.3
X ± SD	**651.35 ± 4.42**	**675.8 ± 9.42**	**675.67 ± 7.68**	**676.3 ± 8.35**
% Pertambahan Bobot		**3.75**	**3.73**	**3.83**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula B bets 1

Keterangan	W Tablet Inti	Bobot Tablet Salut		
		Replikasi 1	Replikasi 2	Replikasi 3
1	654.76	669.4	674.9	669.5
2	652.33	667.4	672	681.9
3	649.93	668.1	683.2	674
4	649.8	668.9	676.9	672.8
5	654.73	673.8	667.5	668.1
6	651.16	666	673.3	676.5
7	652.93	672.5	668	666.2
8	646.2	665.5	670.8	669.5
9	655	669.3	668.7	669.4
10	646.33	668.3	671.1	683.3
11	651.73	688.5	673.4	687.9
12	649.5	677.8	689.5	680.3
13	653.16	684.3	683.9	689.4
14	657.16	681.4	670.3	684.3
15	651.76	681.3	681.6	681.5
16	651.1	681.3	670.4	681.3
17	650.76	671.4	683.3	670.3
18	653.03	673.8	678.1	671.2
19	651.23	683.5	675.4	673.8
20	649.7	677.3	677.9	681.2
X ± SD	**651.62 ± 2.72**	**674.49 ± 6.93**	**675.51 ± 6.16**	**676.62 ± 7.01**
% Pertambahan Bobot		**3.50**	**3.66**	**3.83**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula C bets 1

Keterangan	W Tablet Inti	Bobot Tablet Salut		
		Replikasi 1	Replikasi 2	Replikasi 3
1	652.93	665.5	670.6	678.4
2	652.2	665.2	669.8	671.4
3	651.43	660.9	670.3	673.9
4	650.5	675.6	671.3	674.2
5	653.13	675.1	683.2	668.8
6	650.03	668.9	670.2	673.2
7	652.7	673.4	673.2	664.8
8	650.8	667.8	675.9	678.3
9	650.5	680.1	667.8	669.3
10	655.1	674.3	678.3	671.6
11	653.36	678.3	689.3	674.6
12	644.43	683.4	675.4	680.1
13	653.46	673.5	677.8	677.3
14	654.2	684.9	680.1	681.9
15	653.96	678.3	683.4	677.5
16	653.63	680.1	678.2	684.5
17	649.13	678.3	681.7	681.3
18	650.9	675.3	683.1	679.3
19	651.33	677.4	679.2	683.2
20	655.16	679.6	678.6	680.2
X ± SD	**651.95 ± 2.45**	**674.8 ± 6.32**	**676.87 ± 5.75**	**676.19 ± 5.26**
% Pertambahan Bobot		**3.50**	**3.82**	**3.71**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula D bets 1

Keterangan	W Tablet Inti	Bobot Tablet Salut		
		Replikasi 1	Replikasi 2	Replikasi 3
1	648.86	673.8	684.3	666
2	652.06	672.1	669.7	681.2
3	648.4	667.2	669.8	680.1
4	652.9	669.7	676.2	665.8
5	651.83	671.9	668.4	678.8
6	653.2	670.1	670.7	666.2
7	654.73	669.3	667.3	673.2
8	650.7	667.2	671.4	677.9
9	652.83	666.1	673.3	660.7
10	654.1	669.2	678.3	667.3
11	652.93	673.4	684.3	681.3
12	652.3	675.1	673.5	679.8
13	654.5	683.9	678.1	680.1
14	653.4	683.2	679.2	683.6
15	647.43	673.2	673.1	688.1
16	648.4	677.9	678.9	689.4
17	652.2	682.4	677.2	678.9
18	650.53	685.4	680.1	687.7
19	655	677.4	683.2	684.2
20	651.93	674.3	681.9	681.5
X ± SD	**651.91 ± 2.21**	**674.14 ± 5.86**	**675.94 ± 5.39**	**677.6 ± 8.29**
% Pertambahan Bobot		**3.40**	**3.68**	**3.94**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula A bets 2

Keterangan	W Tablet Inti	Bobot Tablet Salut Replikasi 1	Replikasi 2	Replikasi 3
1	652.1	675.1	664.1	668.2
2	652.3	673.3	673.3	665.3
3	652.76	666.5	671.9	672.3
4	651.3	681.2	666.1	666.3
5	652.86	669	669.8	670.3
6	649.73	681.5	683.1	667.4
7	653.76	657.3	673.2	683.2
8	646.73	678.6	671	683.2
9	652.36	676.5	667.4	670.2
10	654.03	668.3	675.1	673.2
11	651.8	671.3	684.5	681.7
12	649.23	673.5	683.4	680.2
13	653.56	677.2	673.2	675.3
14	652.6	681.3	683.3	673.2
15	652.66	675.3	688.1	678.1
16	649.3	680.2	675.6	673.1
17	650.33	681.7	677.6	683.2
18	653.73	673.3	674.2	675.1
19	648.36	689.2	681.8	683.2
20	650.2	677.9	680	688.3
X ± SD	**651.49 ± 2.01**	**675.4 ± 6.91**	**675.83 ± 6.68**	**675.6 ± 6.71**
% Pertambahan Bobot		**3.67**	**3.73**	**3.70**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula B bets 2

Keterangan	W Tablet Inti	Bobot Tablet Salut Replikasi 1	Replikasi 2	Replikasi 3
1	655.16	673.3	670.4	668.4
2	647.93	669.2	671.3	678.3
3	652.1	679.2	674.5	670.5
4	648.06	667.2	668.3	679.2
5	652.5	670.7	674.3	678.8
6	652.23	673.3	681.3	669.5
7	654.8	668.9	668.7	667.5
8	650.46	680.1	673.1	680.3
9	653.2	667.7	664.8	682.3
10	650.6	667.4	677.4	687.5
11	652.83	681.3	678.3	678.1
12	652.1	677.3	677.3	675.4
13	651.23	681.2	677.4	681.4
14	648.86	679.6	681.3	673.4
15	651	675.2	679.4	674.5
16	652.53	669.8	671.3	683.2
17	651.9	680.3	682.1	683.2
18	651.13	679.7	683.2	673.4
19	652.33	681.3	681.9	677.8
20	649.06	684.2	675.7	678.2
X ± SD	**651.50 ± 1.95**	**675.3 ± 5.68**	**675.6 ± 5.26**	**677 ± 5.40**
% Pertambahan Bobot		**3.65**	**3.69**	**3.91**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula C bets 2

Keterangan	W Tablet Inti	Bobot Tablet Salut Replikasi 1	Replikasi 2	Replikasi 3
1	651.8	668.7	675	681.9
2	653.8	668.5	670.3	688
3	651.93	672.8	673.2	676.3
4	650.06	670.2	678.4	680.5
5	647.76	667.3	680.1	681.9
6	653.4	679.4	668.9	680.3
7	654.4	675.7	681.3	673.8
8	649.36	674.3	666.3	674.2
9	650	673.2	677.1	665.4
10	653.66	669.3	663.4	681.2
11	650.43	675.4	681.2	681.2
12	650.83	673.8	677.3	673.4
13	648.13	677.3	679.2	672.1
14	652.46	681.4	683.4	673.6
15	653.03	680.4	680.2	673.2
16	650.23	679.8	674.3	683.6
17	651.53	678.3	672.1	674.7
18	653.53	672.6	677.4	673.4
19	651.93	671.2	673.1	683.2
20	651.73	681.3	673.2	681.3
X ± SD	**651.5 ± 1.88**	**674.5 ± 4.54**	**675.27 ± 5.29**	**677.7 ± 5.39**
% Pertambahan Bobot		**3.53**	**3.64**	**4.02**

Tabel. Uji keseragaman pertambahan bobot tablet salut enterik ekstrak Wortel formula D bets 2

Keterangan	W Tablet Inti	Bobot Tablet Salut		
		Replikasi 1	Replikasi 2	Replikasi 3
1	652.63	678	684.2	687.7
2	649.1	667.5	679.2	680.7
3	650.96	669.3	683.2	688.8
4	652.4	685.4	665.7	678.8
5	651.9	660.7	670.5	674.2
6	651.53	667.1	681.3	680.5
7	648.16	667.3	673.5	665.3
8	651	680.2	672.8	670.3
9	653.7	677.2	667.8	679.7
10	651.86	661.6	671.4	677.3
11	652.63	673.4	679.3	673.4
12	652.9	677.1	680.1	675.1
13	651.63	673.2	671.2	673.2
14	652.83	673.9	683.6	674.7
15	652.13	674.3	681.2	666.4
16	652.33	678.3	677.5	668.2
17	650.63	672.3	677.2	678.3
18	650.6	671.2	672.8	679.3
19	651.96	681.2	678.4	680.3
20	648.46	683.2	667.2	672.3
X ± SD	**651.47 ± 1.48**	**673.6 ± 6.71**	**675.90 ± 5.76**	**676.2 ± 6.21**
% Pertambahan Bobot		**3.39**	**3.74**	**3.79**

LAMPIRAN I

SERTIFIKAT ANALISIS PEMBELIAN EKSTRAK WORTEL

NATURA
FOOD & NUTRACEUTICAL COMPANY

QA Dept. **Certificate of Analysis**
Ref. No. 0294/CoA/QA/IV/13

Product Name : **Wortel PE**
Product Code : **5050A**
Batch/Lot No. : **P5050A630802**

Manufacturing date : April 19th 2013
Best used before : April 19th 2014
Date of issued : April 29th 2013

Test Descriptions	Specification	Results
Sensory Evaluation		
- Color (Visual)	Orange	Orange
- Appearance (Visual)	Homogeny, fine powder	Conform
- Odour and Taste (Smell)	Characteristic odour and taste of Carrot	Conform
Physicochemical		
- Solubility (1 % soluble in water)	Soluble in water	Conform
- Particle Size (Sieve thru mesh #100)	Min.80 %	99,80 %
- Lost On Drying (IR/105 °C)	Max.8 %	1,52 %
- Tapped Density (50 ml / 500-750 X)	0.50 – 1.10 g/mL	0,733 g/ml
- pH at 25 °C (1.0 % solution)	4.0 – 7.0	4,76
Microbiological		
- Aerobic Plate Count (Ph)	Max. 1.10^4 cfu/g	< 1.10^4 cfu/g
- Yeast and Mould (Ph)	Max. 1.10^2 cfu/g	< 1.10^2 cfu/g
- E.Coli (Ph)	Negative	Conform
- Salmonella sp.(Ph)	Negative	Conform

Dion Kristianto – QA Dept. : NATURA

NATURA LABORATORIA PRIMA pt.

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Factory & Extraction Center : Jl. Stadion No. 26, Pandaan, Pasuruan 67156, East Java - Indonesia. Ph. +62-343-633432, 633433 Fax. +62-343-633435
e-mail : info@natura-lab.com
Website : http://www.natura-lab.com

LAMPIRAN J

HASIL UJI STATISTIK ANTAR BETS TABLET SALUT ENTERIK EKSTRAK WORTEL

A. Keseragaman Pertambahan Bobot

Formula A

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaA_bets1	675.9200	20	7.76198	1.73563
	FormulaA_bets2	675.5983	20	4.71382	1.05404

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaA_bets1 & FormulaA_bets2	20	.706	.000

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	FormulaA_bets1 - FormulaA_bets2	.32167	5.54782	1.24053	-2.27479	2.91813	.259	19	.798

T hitung 0,798 < $T_{0,05}$ (19) = 1,729 sehingga tidak ada perbedaan bermakna

Formula B

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaB_bets1	675.5400	20	5.08239	1.13646
	FormulaB_bets2	675.9967	20	3.63170	.81207

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaB_bets1 & FormulaB_bets2	20	.593	.006

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	FormulaB_bets1 - FormulaB_bets2	-.45667	4.13940	.92560	-2.39397	1.48063	-.493	19	.627

T hitung 0,627 < $T_{0,05}$ (19) = 1,729 sehingga tidak ada perbedaan bermakna

Formula C

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaC_bets1	675.9517	20	4.49251	1.00456
	FormulaC_bets2	675.8250	20	2.42407	.54204

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaC_bets1 & FormulaC_bets2	20	.476	.034

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	FormulaC_bets1 - FormulaC_bets2	.12667	3.96071	.88564	-1.72700	1.98033	.143	19	.888

T hitung 0,888 < $T_{0,05}$ (19) = 1,729 sehingga tidak ada perbedaan bermakna

Formula D

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaC_bets1	675.8917	20	5.12803	1.14666
	FormulaC_bets2	675.2500	20	3.65917	.81822

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaC_bets1 & FormulaC_bets2	20	.160	.500

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	FormulaC_bets1 - FormulaC_bets2	.64167	5.80347	1.29769	-2.07444	3.35777	.494	19	.627

T hitung 0,627 < $T_{0,05}$ (19) = 1,729 sehingga tidak ada perbedaan bermakna

B. Kekerasan

Formula A

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaA_bets1	9.4000	10	.77889	.24631
	FormulaA_bets2	9.3300	10	.82603	.26122

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaA_bets1 & FormulaA_bets2	10	-.150	.679

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	FormulaA_bets1 - FormulaA_bets2	.07000	1.21751	.38501	-.80095	.94095	.182	9	.860

T hitung 0,182 < $T_{0,05}$ (9) = 1,833 sehingga tidak ada perbedaan bermakna antar bets

Formula B

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaB_bets1	8.2400	10	1.52912	.48355
	FormulaB_bets2	8.4700	10	1.22116	.38616

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaB_bets1 & FormulaB_bets2	10	.609	.061

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	FormulaB_bets1 - FormulaB_bets2	-.23000	1.24637	.39414	-1.12160	.66160	-.584	9	.574

T hitung -0,584 < $T_{0,05}$ (9) = 1,833 sehingga tidak ada perbedaan bermakna antar bets

Formula C

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaC_bets1	7.0700	10	.57164	.18077
	FormulaC_bets2	8.0500	10	1.21769	.38507

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaC_bets1 & FormulaC_bets2	10	.221	.539

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	FormulaC_bets1 - FormulaC_bets2	-.98000	1.22547	.38753	-1.85665	-.10335	-2.529	9	.032

T hitung -0,584 < $T_{0,05}$ (9) = 1,833 sehingga tidak ada perbedaan bermakna antar bets

Formula D

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaD_bets1	7.4800	10	1.03473	.32721
	FormulaD_bets2	8.7000	10	1.20738	.38181

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaD_bets1 & FormulaD_bets2	10	-.579	.079

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	FormulaD_bets1 - FormulaD_bets2	-1.22000	1.99377	.63048	-2.64626	.20626	-1.935	9	.085

T hitung -1,935 < $T_{0,05}$ (9) = 1,833 sehingga tidak ada perbedaan bermakna antar bets

C. Waktu Hancur

Formula A

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaA_bets1	12.7000	2	.87681	.62000
	FormulaA_bets2	13.1750	2	.13435	.09500

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaA_bets1 & FormulaA_bets2	2	-1.000	.000

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	FormulaA_bets1 - FormulaA_bets2	-.47500	1.01116	.71500	-9.55994	8.60994	-.664	1	.627

T hitung -0,664 < $T_{0,05}$ (1) = 6,324 sehingga tidak ada perbedaan bermakna antar bets

Formula B

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaB bets1	12.3500	2	1.30108	.92000
	FormulaB_bets2	12.7400	2	.77782	.55000

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaB_bets1 & FormulaB_bets2	2	1.000	.000

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	FormulaB_bets1 - FormulaB_bets2	-.39000	.52326	.37000	-5.09130	4.31130	-1.054	1	.483

T hitung -1,054 < $T_{0,05}$ (1) = 6,324 sehingga tidak ada perbedaan bermakna antar bets

Formula C

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaC_bets1	13.2300	2	.28284	.20000
	FormulaC_bets2	12.4950	2	1.37886	.97500

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaC_bets1 & FormulaC_bets2	2	1.000	.000

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	FormulaC_bets1 - FormulaC_bets2	.73500	1.09602	.77500	-9.11231	10.58231	.948	1	.517

T hitung 0,948 < $T_{0,05}$ (1) = 6,324 sehingga tidak ada perbedaan bermakna antar bets

Formula D

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	FormulaD_bets1	12.7950	2	1.02530	.72500
	FormulaD_bets2	11.8950	2	.58690	.41500

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	FormulaD_bets1 & FormulaD_bets2	2	-1.000	.000

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	FormulaD_bets1 - FormulaD_bets2	.90000	1.61220	1.14000	-13.58507	15.38507	.789	1	.575

T hitung 0,948 < $T_{0,05}$ (1) = 6,324 sehingga tidak ada perbedaan bermakna antar bets

LAMPIRAN K

HASIL UJI STATISTIK ANTAR FORMULA TABLET SALUT ENTERIK EKSTRAK WORTEL

A. Keseragaman Bobot

ANOVA

formula1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9.462	7	1.352	.058	1.000
Within Groups	3557.434	152	23.404		
Total	3566.896	159			

F hitung (0,058) < $F_{0,05}$ = 2,07 tidak ada perbedaan bermakna antar formula

Post Hoc Tests

Multiple Comparisons

Keseragaman Bobot
Tukey HSD

(I) formula	(J) formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
formulaA	formulaB	.38000	1.52984	1.000	-4.3222	5.0822
	formulaC	-.03167	1.52984	1.000	-4.7338	4.6705
	formulaD	.02833	1.52984	1.000	-4.6738	4.7305
	formulaA_2	.32167	1.52984	1.000	-4.3805	5.0238
	formulaB_2	-.07667	1.52984	1.000	-4.7788	4.6255
	formulaC_2	.09500	1.52984	1.000	-4.6072	4.7972
	formulaD_2	.67000	1.52984	1.000	-4.0322	5.3722
formulaB	formulaA	-.38000	1.52984	1.000	-5.0822	4.3222
	formulaC	-.41167	1.52984	1.000	-5.1138	4.2905
	formulaD	-.35167	1.52984	1.000	-5.0538	4.3505
	formulaA_2	-.05833	1.52984	1.000	-4.7605	4.6438

	formulaB_2	-.45667	1.52984	1.000	-5.1588	4.2455
	formulaC_2	-.28500	1.52984	1.000	-4.9872	4.4172
	formulaD_2	.29000	1.52984	1.000	-4.4122	4.9922
formulaC	formulaA	.03167	1.52984	1.000	-4.6705	4.7338
	formulaB	.41167	1.52984	1.000	-4.2905	5.1138
	formulaD	.06000	1.52984	1.000	-4.6422	4.7622
	formulaA_2	.35333	1.52984	1.000	-4.3488	5.0555
	formulaB_2	-.04500	1.52984	1.000	-4.7472	4.6572
	formulaC_2	.12667	1.52984	1.000	-4.5755	4.8288
	formulaD_2	.70167	1.52984	1.000	-4.0005	5.4038
formulaD	formulaA	-.02833	1.52984	1.000	-4.7305	4.6738
	formulaB	.35167	1.52984	1.000	-4.3505	5.0538
	formulaC	-.06000	1.52984	1.000	-4.7622	4.6422
	formulaA_2	.29333	1.52984	1.000	-4.4088	4.9955
	formulaB_2	-.10500	1.52984	1.000	-4.8072	4.5972
	formulaC_2	.06667	1.52984	1.000	-4.6355	4.7688
	formulaD_2	.64167	1.52984	1.000	-4.0605	5.3438
formulaA_2	formulaA	-.32167	1.52984	1.000	-5.0238	4.3805
	formulaB	.05833	1.52984	1.000	-4.6438	4.7605
	formulaC	-.35333	1.52984	1.000	-5.0555	4.3488
	formulaD	-.29333	1.52984	1.000	-4.9955	4.4088
	formulaB_2	-.39833	1.52984	1.000	-5.1005	4.3038
	formulaC_2	-.22667	1.52984	1.000	-4.9288	4.4755
	formulaD_2	.34833	1.52984	1.000	-4.3538	5.0505
formulaB_2	formulaA	.07667	1.52984	1.000	-4.6255	4.7788
	formulaB	.45667	1.52984	1.000	-4.2455	5.1588
	formulaC	.04500	1.52984	1.000	-4.6572	4.7472
	formulaD	.10500	1.52984	1.000	-4.5972	4.8072
	formulaA_2	.39833	1.52984	1.000	-4.3038	5.1005
	formulaC_2	.17167	1.52984	1.000	-4.5305	4.8738
	formulaD_2	.74667	1.52984	1.000	-3.9555	5.4488
formulaC_2	formulaA	-.09500	1.52984	1.000	-4.7972	4.6072
	formulaB	.28500	1.52984	1.000	-4.4172	4.9872

	formulaC	-.12667	1.52984	1.000	-4.8288	4.5755
	formulaD	-.06667	1.52984	1.000	-4.7688	4.6355
	formulaA_2	.22667	1.52984	1.000	-4.4755	4.9288
	formulaB_2	-.17167	1.52984	1.000	-4.8738	4.5305
	formulaD_2	.57500	1.52984	1.000	-4.1272	5.2772
formulaD_2	formulaA	-.67000	1.52984	1.000	-5.3722	4.0322
	formulaB	-.29000	1.52984	1.000	-4.9922	4.4122
	formulaC	-.70167	1.52984	1.000	-5.4038	4.0005
	formulaD	-.64167	1.52984	1.000	-5.3438	4.0605
	formulaA_2	-.34833	1.52984	1.000	-5.0505	4.3538
	formulaB_2	-.74667	1.52984	1.000	-5.4488	3.9555
	formulaC_2	-.57500	1.52984	1.000	-5.2772	4.1272

Homogeneous Subsets

Keseragaman Bobot

Tukey HSD[a]

formula	N	Subset for alpha = 0.05
		1
formulaD_2	20	675.2500
formulaB	20	675.5400
formulaA_2	20	675.5983
formulaC_2	20	675.8250
formulaD	20	675.8917
formulaA	20	675.9200
formulaC	20	675.9517
formulaB_2	20	675.9967
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 20.000.

B. Kekerasan

ANOVA

Kekerasan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	46.968	7	6.710	5.676	.000
Within Groups	85.108	72	1.182		
Total	132.076	79			

F hitung (5,676) > $F_{0,05}$ = 2,014 ada perbedaan bermakna antar formula

Post Hoc Tests

Multiple Comparisons

Kekerasan
Tukey HSD

(I) formula	(J) formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
formulaA	formulaB	1.16000	.48622	.264	-.3579	2.6779
	formulaC	2.33000*	.48622	.000	.8121	3.8479
	formulaD	1.92000*	.48622	.004	.4021	3.4379
	formulaA_2	.07000	.48622	1.000	-1.4479	1.5879
	formulaB_2	.93000	.48622	.547	-.5879	2.4479
	formulaC_2	1.35000	.48622	.117	-.1679	2.8679
	formulaD_2	.70000	.48622	.836	-.8179	2.2179
formulaB	formulaA	-1.16000	.48622	.264	-2.6779	.3579
	formulaC	1.17000	.48622	.254	-.3479	2.6879
	formulaD	.76000	.48622	.770	-.7579	2.2779
	formulaA_2	-1.09000	.48622	.340	-2.6079	.4279
	formulaB_2	-.23000	.48622	1.000	-1.7479	1.2879
	formulaC_2	.19000	.48622	1.000	-1.3279	1.7079

	formulaD_2	-.46000	.48622	.980	-1.9779	1.0579
formulaC	formulaA	-2.33000*	.48622	.000	-3.8479	-.8121
	formulaB	-1.17000	.48622	.254	-2.6879	.3479
	formulaD	-.41000	.48622	.990	-1.9279	1.1079
	formulaA_2	-2.26000*	.48622	.000	-3.7779	-.7421
	formulaB_2	-1.40000	.48622	.092	-2.9179	.1179
	formulaC_2	-.98000	.48622	.479	-2.4979	.5379
	formulaD_2	-1.63000*	.48622	.027	-3.1479	-.1121
formulaD	formulaA	-1.92000*	.48622	.004	-3.4379	-.4021
	formulaB	-.76000	.48622	.770	-2.2779	.7579
	formulaC	.41000	.48622	.990	-1.1079	1.9279
	formulaA_2	-1.85000*	.48622	.007	-3.3679	-.3321
	formulaB_2	-.99000	.48622	.466	-2.5079	.5279
	formulaC_2	-.57000	.48622	.937	-2.0879	.9479
	formulaD_2	-1.22000	.48622	.208	-2.7379	.2979
formulaA_2	formulaA	-.07000	.48622	1.000	-1.5879	1.4479
	formulaB	1.09000	.48622	.340	-.4279	2.6079
	formulaC	2.26000*	.48622	.000	.7421	3.7779
	formulaD	1.85000*	.48622	.007	.3321	3.3679
	formulaB_2	.86000	.48622	.643	-.6579	2.3779
	formulaC_2	1.28000	.48622	.161	-.2379	2.7979
	formulaD_2	.63000	.48622	.898	-.8879	2.1479
formulaB_2	formulaA	-.93000	.48622	.547	-2.4479	.5879
	formulaB	.23000	.48622	1.000	-1.2879	1.7479
	formulaC	1.40000	.48622	.092	-.1179	2.9179
	formulaD	.99000	.48622	.466	-.5279	2.5079
	formulaA_2	-.86000	.48622	.643	-2.3779	.6579
	formulaC_2	.42000	.48622	.988	-1.0979	1.9379
	formulaD_2	-.23000	.48622	1.000	-1.7479	1.2879
formulaC_2	formulaA	-1.35000	.48622	.117	-2.8679	.1679
	formulaB	-.19000	.48622	1.000	-1.7079	1.3279
	formulaC	.98000	.48622	.479	-.5379	2.4979
	formulaD	.57000	.48622	.937	-.9479	2.0879

	formulaA_2	-1.28000	.48622	.161	-2.7979	.2379
	formulaB_2	-.42000	.48622	.988	-1.9379	1.0979
	formulaD_2	-.65000	.48622	.882	-2.1679	.8679
formulaD_2	formulaA	-.70000	.48622	.836	-2.2179	.8179
	formulaB	.46000	.48622	.980	-1.0579	1.9779
	formulaC	1.63000*	.48622	.027	.1121	3.1479
	formulaD	1.22000	.48622	.208	-.2979	2.7379
	formulaA_2	-.63000	.48622	.898	-2.1479	.8879
	formulaB_2	.23000	.48622	1.000	-1.2879	1.7479
	formulaC_2	.65000	.48622	.882	-.8679	2.1679

Homogeneous Subsets

Kekerasan

Tukey HSD[a]

formula2	N	Subset for alpha = 0.05		
		1	2	3
formulaC	10	7.0700		
formulaD	10	7.4800	7.4800	
formulaC_2	10	8.0500	8.0500	8.0500
formulaB	10	8.2400	8.2400	8.2400
formulaB_2	10	8.4700	8.4700	8.4700
formulaD_2	10		8.7000	8.7000
formulaA_2	10			9.3300
formulaA	10			9.4000
Sig.		.092	.208	.117

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

C. Waktu Hancur

ANOVA

Waktu Hancur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.302	7	.472	.718	.659
Within Groups	10.515	16	.657		
Total	13.817	23			

F hitung (0,718) < $F_{0,05}$ = 2,66 tidak ada perbedaan bermakna antar formula

Post Hoc Test

Multiple Comparisons

Waktu Hancur
Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
FormulaA	FormulaB	.24333	.66192	1.000	-2.0483	2.5350
	FormulaC	-.29667	.66192	1.000	-2.5883	1.9950
	FormulaD	-.32333	.66192	1.000	-2.6150	1.9683
	FormulaA_2	-.88333	.66192	.873	-3.1750	1.4083
	FormulaB_2	-.44333	.66192	.997	-2.7350	1.8483
	FormulaC_2	-.20667	.66192	1.000	-2.4983	2.0850
	FormulaD_2	.36000	.66192	.999	-1.9317	2.6517
FormulaB	FormulaA	-.24333	.66192	1.000	-2.5350	2.0483
	FormulaC	-.54000	.66192	.990	-2.8317	1.7517
	FormulaD	-.56667	.66192	.986	-2.8583	1.7250
	FormulaA_2	-1.12667	.66192	.686	-3.4183	1.1650
	FormulaB_2	-.68667	.66192	.961	-2.9783	1.6050
	FormulaC_2	-.45000	.66192	.996	-2.7417	1.8417
	FormulaD_2	.11667	.66192	1.000	-2.1750	2.4083
FormulaC	FormulaA	.29667	.66192	1.000	-1.9950	2.5883

	FormulaB	.54000	.66192	.990	-1.7517	2.8317
	FormulaD	-.02667	.66192	1.000	-2.3183	2.2650
	FormulaA_2	-.58667	.66192	.983	-2.8783	1.7050
	FormulaB_2	-.14667	.66192	1.000	-2.4383	2.1450
	FormulaC_2	.09000	.66192	1.000	-2.2017	2.3817
	FormulaD_2	.65667	.66192	.969	-1.6350	2.9483
FormulaD	FormulaA	.32333	.66192	1.000	-1.9683	2.6150
	FormulaB	.56667	.66192	.986	-1.7250	2.8583
	FormulaC	.02667	.66192	1.000	-2.2650	2.3183
	FormulaA_2	-.56000	.66192	.987	-2.8517	1.7317
	FormulaB_2	-.12000	.66192	1.000	-2.4117	2.1717
	FormulaC_2	.11667	.66192	1.000	-2.1750	2.4083
	FormulaD_2	.68333	.66192	.962	-1.6083	2.9750
FormulaA_2	FormulaA	.88333	.66192	.873	-1.4083	3.1750
	FormulaB	1.12667	.66192	.686	-1.1650	3.4183
	FormulaC	.58667	.66192	.983	-1.7050	2.8783
	FormulaD	.56000	.66192	.987	-1.7317	2.8517
	FormulaB_2	.44000	.66192	.997	-1.8517	2.7317
	FormulaC_2	.67667	.66192	.964	-1.6150	2.9683
	FormulaD_2	1.24333	.66192	.582	-1.0483	3.5350
FormulaB_2	FormulaA	.44333	.66192	.997	-1.8483	2.7350
	FormulaB	.68667	.66192	.961	-1.6050	2.9783
	FormulaC	.14667	.66192	1.000	-2.1450	2.4383
	FormulaD	.12000	.66192	1.000	-2.1717	2.4117
	FormulaA_2	-.44000	.66192	.997	-2.7317	1.8517
	FormulaC_2	.23667	.66192	1.000	-2.0550	2.5283
	FormulaD_2	.80333	.66192	.916	-1.4883	3.0950
FormulaC_2	FormulaA	.20667	.66192	1.000	-2.0850	2.4983
	FormulaB	.45000	.66192	.996	-1.8417	2.7417
	FormulaC	-.09000	.66192	1.000	-2.3817	2.2017
	FormulaD	-.11667	.66192	1.000	-2.4083	2.1750
	FormulaA_2	-.67667	.66192	.964	-2.9683	1.6150
	FormulaB_2	-.23667	.66192	1.000	-2.5283	2.0550

	FormulaD_2	.56667	.66192	.986	-1.7250	2.8583
FormulaD_2	FormulaA	-.36000	.66192	.999	-2.6517	1.9317
	FormulaB	-.11667	.66192	1.000	-2.4083	2.1750
	FormulaC	-.65667	.66192	.969	-2.9483	1.6350
	FormulaD	-.68333	.66192	.962	-2.9750	1.6083
	FormulaA_2	-1.24333	.66192	.582	-3.5350	1.0483
	FormulaB_2	-.80333	.66192	.916	-3.0950	1.4883
	FormulaC_2	-.56667	.66192	.986	-2.8583	1.7250

Homogeneous Subsets

Waktu Hancur

Tukey HSD[a]

Formula	N	Subset for alpha = 0.05
		1
FormulaD_2	3	11.9333
FormulaB	3	12.0500
FormulaA	3	12.2933
FormulaC_2	3	12.5000
FormulaC	3	12.5900
FormulaD	3	12.6167
FormulaB_2	3	12.7367
FormulaA_2	3	13.1767
Sig.		.582

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

D. Tampilan Visual

ANOVA

Tampilan Visual

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	41.705	7	5.958	53.843	.000
Within Groups	7.967	72	.111		
Total	49.672	79			

F hitung (53,843) > $F_{0,05}$ = 2,14 ada perbedaan bermakna antar formula

Post Hoc Tests

Multiple Comparisons

Tampilan Visual
Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
FormulaA	FormulaB	.97000*	.14876	.000	.5056	1.4344
	FormulaC	-.61000*	.14876	.003	-1.0744	-.1456
	FormulaD	1.01000*	.14876	.000	.5456	1.4744
	FormulaA_2	-.51000*	.14876	.021	-.9744	-.0456
	FormulaB_2	1.03000*	.14876	.000	.5656	1.4944
	FormulaC_2	-.59000*	.14876	.004	-1.0544	-.1256
	FormulaD_2	.87000*	.14876	.000	.4056	1.3344
FormulaB	FormulaA	-.97000*	.14876	.000	-1.4344	-.5056
	FormulaC	-1.58000*	.14876	.000	-2.0444	-1.1156
	FormulaD	.04000	.14876	1.000	-.4244	.5044
	FormulaA_2	-1.48000*	.14876	.000	-1.9444	-1.0156
	FormulaB_2	.06000	.14876	1.000	-.4044	.5244
	FormulaC_2	-1.56000*	.14876	.000	-2.0244	-1.0956
	FormulaD_2	-.10000	.14876	.997	-.5644	.3644
FormulaC	FormulaA	.61000*	.14876	.003	.1456	1.0744

	FormulaB	1.58000*	.14876	.000	1.1156	2.0444
	FormulaD	1.62000*	.14876	.000	1.1556	2.0844
	FormulaA_2	.10000	.14876	.997	-.3644	.5644
	FormulaB_2	1.64000*	.14876	.000	1.1756	2.1044
	FormulaC_2	.02000	.14876	1.000	-.4444	.4844
	FormulaD_2	1.48000*	.14876	.000	1.0156	1.9444
FormulaD	FormulaA	-1.01000*	.14876	.000	-1.4744	-.5456
	FormulaB	-.04000	.14876	1.000	-.5044	.4244
	FormulaC	-1.62000*	.14876	.000	-2.0844	-1.1556
	FormulaA_2	-1.52000*	.14876	.000	-1.9844	-1.0556
	FormulaB_2	.02000	.14876	1.000	-.4444	.4844
	FormulaC_2	-1.60000*	.14876	.000	-2.0644	-1.1356
	FormulaD_2	-.14000	.14876	.981	-.6044	.3244
FormulaA_2	FormulaA	.51000*	.14876	.021	.0456	.9744
	FormulaB	1.48000*	.14876	.000	1.0156	1.9444
	FormulaC	-.10000	.14876	.997	-.5644	.3644
	FormulaD	1.52000*	.14876	.000	1.0556	1.9844
	FormulaB_2	1.54000*	.14876	.000	1.0756	2.0044
	FormulaC_2	-.08000	.14876	.999	-.5444	.3844
	FormulaD_2	1.38000*	.14876	.000	.9156	1.8444
FormulaB_2	FormulaA	-1.03000*	.14876	.000	-1.4944	-.5656
	FormulaB	-.06000	.14876	1.000	-.5244	.4044
	FormulaC	-1.64000*	.14876	.000	-2.1044	-1.1756
	FormulaD	-.02000	.14876	1.000	-.4844	.4444
	FormulaA_2	-1.54000*	.14876	.000	-2.0044	-1.0756
	FormulaC_2	-1.62000*	.14876	.000	-2.0844	-1.1556
	FormulaD_2	-.16000	.14876	.960	-.6244	.3044
FormulaC_2	FormulaA	.59000*	.14876	.004	.1256	1.0544
	FormulaB	1.56000*	.14876	.000	1.0956	2.0244
	FormulaC	-.02000	.14876	1.000	-.4844	.4444
	FormulaD	1.60000*	.14876	.000	1.1356	2.0644
	FormulaA_2	.08000	.14876	.999	-.3844	.5444
	FormulaB_2	1.62000*	.14876	.000	1.1556	2.0844

	FormulaD_2	1.46000*	.14876	.000	.9956	1.9244
FormulaD_2	FormulaA	-.87000*	.14876	.000	-1.3344	-.4056
	FormulaB	.10000	.14876	.997	-.3644	.5644
	FormulaC	-1.48000*	.14876	.000	-1.9444	-1.0156
	FormulaD	.14000	.14876	.981	-.3244	.6044
	FormulaA_2	-1.38000*	.14876	.000	-1.8444	-.9156
	FormulaB_2	.16000	.14876	.960	-.3044	.6244
	FormulaC_2	-1.46000*	.14876	.000	-1.9244	-.9956

Homogeneous Subsets

Tampilan Visual

Tukey HSD[a]

Formula	N	Subset for alpha = 0.05		
		1	2	3
FormulaB_2	10	95.4100		
FormulaD	10	95.4300		
FormulaB	10	95.4700		
FormulaD_2	10	95.5700		
FormulaA	10		96.4400	
FormulaA_2	10			96.9500
FormulaC_2	10			97.0300
FormulaC	10			97.0500
Sig.		.960	1.000	.997

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

LAMPIRAN L

HASIL PENILAIAN TAMPILAN VISUALPANELIS TABLET SALUT ENTERIK EKSTRAK WORTEL

Pemeriksaan Visual Panelis I

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : Aprilini Franssisca

NRP : 2443009175

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	FA	FB	FC	FD	FA	FB	FC	FD
1	95	94	96	93	96	94	96	93
2	95	94	95	94	97	92	95	94
3	96	95	96	96	98	96	95	93
4	95	93	94	95	97	95	98	94
5	97	96	95	94	97	93	95	94
6	96	95	96	93	98	93	97	95
7	95	94	95	93	95	93	96	92
8	97	95	98	95	96	95	98	96
9	98	94	95	94	95	92	96	93
10	96	93	96	92	95	94	95	94
X ± SD	96 ± 1,05	94,3 ± 0,94	95,9 ± 0,99	93,9 ± 1,19	96,4 ± 1,17	93,7 ± 1,33	96,1 ± 1,19	93,8 ± 1,13

Pemeriksaan Visual Panelis II

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : Dero. M

NRP : 2448713102

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	90	93	99	95	99	99	99	98
2	95	92	99	95	98	98	99	97
3	93	95	97	95	97	98	99	98
4	97	97	98	96	98	98	98	97
5	98	96	99	96	97	98	98	97
6	96	95	97	96	98	97	98	96
7	95	96	98	97	99	96	99	97
8	95	96	99	96	98	95	97	97
9	96	96	97	96	98	96	98	97
10	99	97	99	98	97	97	99	98
X ± SD	95,4 ± 2,54	95,3 ± 1,63	98,2 ± 0,91	96 ± 0,94	97,9 ± 0,73	97,2 ± 1,22	98,4 ± 0,69	97,2 ± 0,63

Pemeriksaan Visual Panelis III

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : Emerlinda More

NRP : 2441300000 72

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	95	95	98	95	97	96	98	95
2	95	95	96	95	97	96	97	97
3	97	95	97	96	98	95	97	95
4	96	95	95	95	96	95	95	96
5	98	95	97	97	95	95	96	96
6	96	96	98	98	95	95	98	97
7	95	97	96	95	96	97	98	96
8	95	95	96	95	97	97	96	96
9	97	95	97	96	97	97	97	95
10	97	97	98	97	97	96	95	95
X ± SD	96,1 ± 1,10	95,5 ± 0,85	96,8 ± 1,03	95,9 ± 1,10	96,5 ± 0,97	95,9 ± 0,87	96,7 ± 1,16	95,8 ± 0,78

Pemeriksaan Visual Panelis IV

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : FRANSISKUS E. W. WAHI

NRP : 2443009129

TTD : [signature]

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	98	95	98	95	97	96	98	95
2	96	96	98	95	97	96	98	95
3	97	96	97	96	98	96	97	96
4	98	97	97	96	98	95	97	96
5	98	95	96	97	96	95	97	97
6	97	97	97	97	97	96	96	97
7	97	97	97	98	98	96	98	96
8	96	96	98	97	98	95	98	96
9	98	97	98	97	96	95	97	95
10	98	97	97	95	96	97	97	55
X ± SD	97,3	96,3	97,3	96,3	97,1	95,7	97,3	95,8
	± 0,82	± 0,82	± 0,67	± 1,05	± 0,87	± 0,67	± 0,67	± 0,78

Pemeriksaan Visual Panelis V

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : YULIUS ROBIMSDTF

NRP : 2443009147

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	95	95	96	96	97	97	98	97
2	97	96	95	95	97	96	96	96
3	97	95	96	95	96	96	97	95
4	98	95	99	96	98	96	97	95
5	99	95	98	96	99	95	96	95
6	96	97	97	97	98	96	98	97
7	95	97	98	96	98	95	97	96
8	95	96	97	95	99	95	96	97
9	97	96	97	95	97	95	97	96
10	96	96	99	96	96	96	96	95
X ± SD	96,5 ± 1,35	95,8 ± 0,78	97,2 ± 1,31	95,7 ± 0,67	97,5 ± 1,08	95,7 ± 0,67	96,8 ± 0,78	95,9 ± 0,87

Pemeriksaan Visual Panelis VI

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : Martinus

NRP : 2443009151

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	98	95	98	97	98	95	98	96
2	95	96	97	96	98	97	98	97
3	97	97	97	95	97	96	97	97
4	96	97	98	97	98	95	97	96
5	97	96	96	97	97	96	96	96
6	97	98	98	96	96	98	97	95
7	96	95	97	96	97	97	98	98
8	98	95	97	98	96	97	97	97
9	95	94	98	97	93	96	98	97
10	96	98	97	96	97	96	98	98
X ± SD	96,5 ± 1,08	96,1 ± 1,37	97,3 ± 0,67	96,5 ± 0,85	97,2 ± 0,78	96,3 ± 0,94	97,4 ± 0,69	96,7 ± 0,94

Pemeriksaan Visual Panelis VII

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : Margaretha K. Ceme

NRP : 2443009172

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	98	95	98	96	98	95	98	95
2	97	96	98	96	97	95	98	96
3	98	96	98	96	96	96	98	96
4	96	96	96	97	98	95	98	97
5	97	95	97	96	98	97	96	96
6	97	97	98	95	96	97	97	97
7	98	97	98	95	95	98	97	98
8	96	98	98	95	96	96	97	95
9	96	97	96	96	96	96	96	95
10	95	96	95	97	98	95	97	96
X ± SD	96,8 ± 1,03	96,3 ± 0,94	97,2 ± 1,13	95,9 ± 0,73	96,8 ± 1,13	96 ± 1,05	97,2 ± 0,78	96,1 ± 0,99

Pemeriksaan Visual Panelis VIII

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : Poppy

NRP : 2442008023

TTD : Poppy

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	95	93	96	92	95	93	97	92
2	96	95	95	93	95	93	96	93
3	95	93	96	95	95	92	95	92
4	95	94	95	92	97	96	95	92
5	92	94	95	93	96	92	95	92
6	95	93	95	95	95	93	96	95
7	95	94	97	93	95	92	95	93
8	95	93	95	92	97	92	95	93
9	95	94	95	92	95	93	95	95
10	95	94	97	93	95	92	95	93
X ± SD	95,3 ± 0,67	93,7 ± 0,67	95,6 ± 0,84	93 ± 1,15	95,5 ± 0,84	92,7 ± 0,94	95,4 ± 0,69	93 ± 1,15

Pemeriksaan Visual Panelis IX

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : S. Made Edwan Herdian

NRP : 2449871 3128

TTD : EH

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formuia							
	Bets 1				Bets 2			
	F A	F B	F C	F D	FA	F B	F C	F D
1	97	95	98	95	98	95	97	96
2	97	96	98	96	97	96	97	95
3	98	95	98	96	98	96	97	95
4	97	97	98	96	97	96	98	96
5	97	96	97	96	98	96	98	97
6	98	96	98	95	97	95	98	97
7	98	95	97	95	97	95	98	96
8	98	95	97	95	97	96	97	95
9	97	96	97	96	97	95	97	96
10	97	95	98	95	98	95	98	95
X ± SD	97,4 ± 0,51	95,6 ± 0,69	97,6 ± 0,51	95,5 ± 0,52	97,4 ± 0,51	95,5 ± 0,52	97,5 ± 0,52	95,8 ± 0,78

Pemeriksaan Visual Panelis X

Pemeriksaan Visual

Tablet salut enterik ekstrak wortel

Nama : I PUTU YUDI PERMANA P.

NRP : 2418712227

TTD :

Petunjuk Pengisian :

<90 : Permukaan tablet kasar atau tidak rata

90-95 : Permukaan tablet agak kasar

95-100 : Permukaan tablet halus atau rata atau tidak retak dan tertutup oleh lapisan penyalut

Tablet ke	Formula							
	Bets 1				Bets 2			
	FA	FB	FC	FD	FA	FB	FC	FD
1	98	95	98	95	96	95	97	95
2	96	96	98	97	95	96	97	95
3	97	96	98	96	98	95	97	96
4	98	97	97	96	98	95	98	96
5	98	95	97	96	97	95	98	96
6	96	97	96	95	97	96	98	96
7	96	95	97	95	98	96	98	95
8	97	95	98	95	97	95	97	96
9	98	96	98	96	98	95	97	96
10	97	96	97	95	98	96	98	95
X ± SD	97,1	95,8	97,4	95,6	97,2	95,4	97,5	95,6
	± 0,87	± 0,78	± 0,69	± 0,69	± 1,03	± 0,51	± 0,52	± 0,51

LAMPIRAN M

TABEL UJI F

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

TABEL F UJI (LANJUTAN)

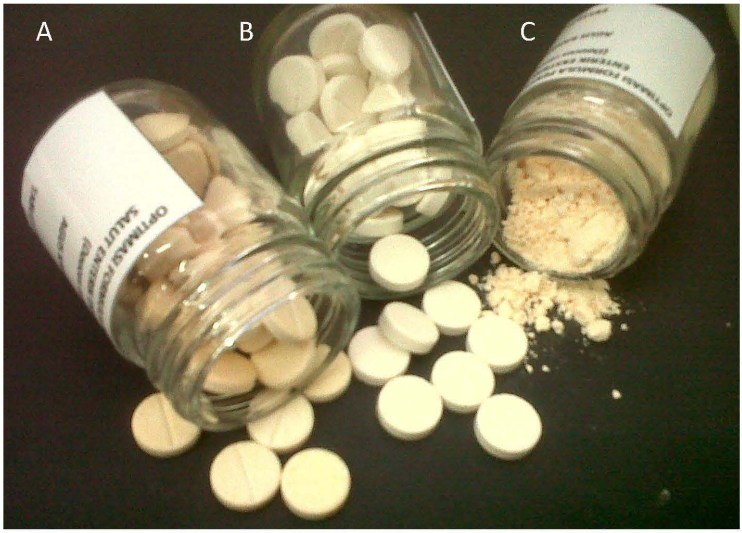
df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	4.05	3.20	2.81	2.57	2.42	2.30	2.22	2.15	2.09	2.04	2.00	1.97	1.94	1.91	1.89
47	4.05	3.20	2.80	2.57	2.41	2.30	2.21	2.14	2.09	2.04	2.00	1.96	1.93	1.91	1.88
48	4.04	3.19	2.80	2.57	2.41	2.29	2.21	2.14	2.08	2.03	1.99	1.96	1.93	1.90	1.88
49	4.04	3.19	2.79	2.56	2.40	2.29	2.20	2.13	2.08	2.03	1.99	1.96	1.93	1.90	1.88
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.03	1.99	1.95	1.92	1.89	1.87
51	4.03	3.18	2.79	2.55	2.40	2.28	2.20	2.13	2.07	2.02	1.98	1.95	1.92	1.89	1.87
52	4.03	3.18	2.78	2.55	2.39	2.28	2.19	2.12	2.07	2.02	1.98	1.94	1.91	1.89	1.86
53	4.02	3.17	2.78	2.55	2.39	2.28	2.19	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
54	4.02	3.17	2.78	2.54	2.39	2.27	2.18	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
55	4.02	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.06	2.01	1.97	1.93	1.90	1.88	1.85
56	4.01	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
57	4.01	3.16	2.77	2.53	2.38	2.26	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
58	4.01	3.16	2.76	2.53	2.37	2.26	2.17	2.10	2.05	2.00	1.96	1.92	1.89	1.87	1.84
59	4.00	3.15	2.76	2.53	2.37	2.26	2.17	2.10	2.04	2.00	1.96	1.92	1.89	1.86	1.84
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.89	1.86	1.84
61	4.00	3.15	2.76	2.52	2.37	2.25	2.16	2.09	2.04	1.99	1.95	1.91	1.88	1.86	1.83
62	4.00	3.15	2.75	2.52	2.36	2.25	2.16	2.09	2.03	1.99	1.95	1.91	1.88	1.85	1.83
63	3.99	3.14	2.75	2.52	2.36	2.25	2.16	2.09	2.03	1.98	1.94	1.91	1.88	1.85	1.83
64	3.99	3.14	2.75	2.52	2.36	2.24	2.16	2.09	2.03	1.98	1.94	1.91	1.88	1.85	1.83
65	3.99	3.14	2.75	2.51	2.36	2.24	2.15	2.08	2.03	1.98	1.94	1.90	1.87	1.85	1.82
66	3.99	3.14	2.74	2.51	2.35	2.24	2.15	2.08	2.03	1.98	1.94	1.90	1.87	1.84	1.82
67	3.98	3.13	2.74	2.51	2.35	2.24	2.15	2.08	2.02	1.98	1.93	1.90	1.87	1.84	1.82
68	3.98	3.13	2.74	2.51	2.35	2.24	2.15	2.08	2.02	1.97	1.93	1.90	1.87	1.84	1.82
69	3.98	3.13	2.74	2.50	2.35	2.23	2.15	2.08	2.02	1.97	1.93	1.90	1.86	1.84	1.81
70	3.98	3.13	2.74	2.50	2.35	2.23	2.14	2.07	2.02	1.97	1.93	1.89	1.86	1.84	1.81
71	3.98	3.13	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.97	1.93	1.89	1.86	1.83	1.81
72	3.97	3.12	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.96	1.92	1.89	1.86	1.83	1.81
73	3.97	3.12	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.96	1.92	1.89	1.86	1.83	1.81
74	3.97	3.12	2.73	2.50	2.34	2.22	2.14	2.07	2.01	1.96	1.92	1.89	1.85	1.83	1.80
75	3.97	3.12	2.73	2.49	2.34	2.22	2.13	2.06	2.01	1.96	1.92	1.88	1.85	1.83	1.80
76	3.97	3.12	2.72	2.49	2.33	2.22	2.13	2.06	2.01	1.96	1.92	1.88	1.85	1.82	1.80
77	3.97	3.12	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.96	1.92	1.88	1.85	1.82	1.80
78	3.96	3.11	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.95	1.91	1.88	1.85	1.82	1.80
79	3.96	3.11	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.95	1.91	1.88	1.85	1.82	1.79
80	3.96	3.11	2.72	2.49	2.33	2.21	2.13	2.06	2.00	1.95	1.91	1.88	1.84	1.82	1.79
81	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	2.00	1.95	1.91	1.87	1.84	1.82	1.79
82	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	2.00	1.95	1.91	1.87	1.84	1.81	1.79
83	3.96	3.11	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.95	1.91	1.87	1.84	1.81	1.79
84	3.95	3.11	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.95	1.90	1.87	1.84	1.81	1.79
85	3.95	3.10	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.94	1.90	1.87	1.84	1.81	1.79
86	3.95	3.10	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.94	1.90	1.87	1.84	1.81	1.78
87	3.95	3.10	2.71	2.48	2.32	2.20	2.12	2.05	1.99	1.94	1.90	1.87	1.83	1.81	1.78
88	3.95	3.10	2.71	2.48	2.32	2.20	2.12	2.05	1.99	1.94	1.90	1.86	1.83	1.81	1.78
89	3.95	3.10	2.71	2.47	2.32	2.20	2.11	2.04	1.99	1.94	1.90	1.86	1.83	1.80	1.78
90	3.95	3.10	2.71	2.47	2.32	2.20	2.11	2.04	1.99	1.94	1.90	1.86	1.83	1.80	1.78

TABEL F UJI (LANJUTAN)

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
136	3.91	3.06	2.67	2.44	2.28	2.17	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.77	1.74
137	3.91	3.06	2.67	2.44	2.28	2.17	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.76	1.74
138	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.76	1.74
139	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.76	1.74
140	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.01	1.95	1.90	1.86	1.82	1.79	1.76	1.74
141	3.91	3.06	2.67	2.44	2.28	2.16	2.08	2.00	1.95	1.90	1.86	1.82	1.79	1.76	1.74
142	3.91	3.06	2.67	2.44	2.28	2.16	2.07	2.00	1.95	1.90	1.86	1.82	1.79	1.76	1.74
143	3.91	3.06	2.67	2.43	2.28	2.16	2.07	2.00	1.95	1.90	1.86	1.82	1.79	1.76	1.74
144	3.91	3.06	2.67	2.43	2.28	2.16	2.07	2.00	1.95	1.90	1.86	1.82	1.79	1.76	1.74
145	3.91	3.06	2.67	2.43	2.28	2.16	2.07	2.00	1.94	1.90	1.86	1.82	1.79	1.76	1.74
146	3.91	3.06	2.67	2.43	2.28	2.16	2.07	2.00	1.94	1.90	1.85	1.82	1.79	1.76	1.74
147	3.91	3.06	2.67	2.43	2.28	2.16	2.07	2.00	1.94	1.90	1.85	1.82	1.79	1.76	1.73
148	3.91	3.06	2.67	2.43	2.28	2.16	2.07	2.00	1.94	1.90	1.85	1.82	1.79	1.76	1.73
149	3.90	3.06	2.67	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.79	1.76	1.73
150	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.79	1.76	1.73
151	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.79	1.76	1.73
152	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.79	1.76	1.73
153	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.78	1.76	1.73
154	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.78	1.76	1.73
155	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.82	1.78	1.76	1.73
156	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.76	1.73
157	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.76	1.73
158	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
159	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
160	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
161	3.90	3.06	2.66	2.43	2.27	2.16	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
162	3.90	3.06	2.66	2.43	2.27	2.15	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
163	3.90	3.06	2.66	2.43	2.27	2.15	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
164	3.90	3.06	2.66	2.43	2.27	2.15	2.07	2.00	1.94	1.89	1.85	1.81	1.78	1.75	1.73
165	3.90	3.06	2.66	2.43	2.27	2.15	2.07	1.99	1.94	1.89	1.85	1.81	1.78	1.75	1.73
166	3.90	3.06	2.66	2.43	2.27	2.15	2.07	1.99	1.94	1.89	1.85	1.81	1.78	1.75	1.73
167	3.90	3.06	2.66	2.43	2.27	2.15	2.06	1.99	1.94	1.89	1.85	1.81	1.78	1.75	1.73
168	3.90	3.06	2.66	2.43	2.27	2.15	2.06	1.99	1.94	1.89	1.85	1.81	1.78	1.75	1.73
169	3.90	3.06	2.66	2.43	2.27	2.15	2.06	1.99	1.94	1.89	1.85	1.81	1.78	1.75	1.73
170	3.90	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.94	1.89	1.85	1.81	1.78	1.75	1.73
171	3.90	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.89	1.85	1.81	1.78	1.75	1.73
172	3.90	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.89	1.84	1.81	1.78	1.75	1.72
173	3.90	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.89	1.84	1.81	1.78	1.75	1.72
174	3.90	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.89	1.84	1.81	1.78	1.75	1.72
175	3.90	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.89	1.84	1.81	1.78	1.75	1.72
176	3.89	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.78	1.75	1.72
177	3.89	3.06	2.66	2.42	2.27	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.78	1.75	1.72
178	3.89	3.06	2.66	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.78	1.75	1.72
179	3.89	3.06	2.66	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.78	1.75	1.72
180	3.89	3.06	2.65	2.42	2.26	2.15	2.06	1.99	1.93	1.88	1.84	1.81	1.77	1.75	1.72

LAMPIRAN N

GAMBAR EKSTRAK WORTEL, TABLET INTI EKSTRAK WORTEL DAN TABLET SALUT ENTERIK EKSTRAK WORTEL



A. Tablet Salut Enterik Ekstrak Wortel

B. Tablet Inti Ekstrak Wortel

C. Ekstrak Wortel