

Lampiran 1. Data Pengamatan Bahan baku Sari Wortel

Parameter	Ulangan			Rata-rata
	I	II	III	
Total Karoten (mg/100gr)	4,120	3.960	4,176	4.09
Viskositas (cps)	12.5	12,0	10,5	11,67
Jumlah Endapan (cm)	2,0	1,5	2,5	1,56
Total Padatan Terlarut(%Brix)	8,0	7,5	7,5	7,67
Kekeruhan (FTU)	1975	1330	1369	1558
Organoleptik				
- Bau	1.1	1,2	1,3	1,2
- Warna	1,43	1,51	1,65	1,57
- Rasa	1,1	0,9	1,1	1,03

LAMPIRAN 2

Lampiran 2a. Data Pengamatan Total Karoten (mg/100gr) Hari Ke 0

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	1,728	1,704	1,736	5,168	1,723
	G2	1,712	1,784	1,720	5,216	1,739
	G3	1,736	1,744	1,672	5,152	1,717
B2	G1	1,696	1,688	1,648	5,032	1,677
	G2	1,656	1,656	1,664	4,976	1,659
	G3	1,640	1,672	1,632	4,944	1,648
B3	G1	1,616	1,624	1,624	4,864	1,621
	G2	1,608	1,600	1,592	4,800	1,600
	G3	1,600	1,616	1,624	4,840	1,613
Total		14,992	15,088	14,912	44,992	14,997

Lampiran 2b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	5,168	5,032	4,864	15,064	1,674
G2	5,216	4,976	4,800	14,992	1,666
G3	5,152	4,944	4,840	14,936	1,660
Total B	15,536	14,952	14,504	44,992	
Rata-rata B	1,726	1,661	1,612		1,667

Lampiran 2c. Analisa Keragaman Total Karoten Hari Ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0018	0,0009	1,8750 <sup>TS</sup>	3,63
Kombinasi BG	8	0,0623	0,0078		
-Blanching (B)	2	0,0595	0,0298	62,0800 <sup>**</sup>	3,63
-Gum Arabic (G)	2	0,00095	0,00048	1,0000 <sup>TS</sup>	3,63
-Interaksi BG	4	0,00185	0,00046	0,9580 <sup>TS</sup>	3,01
Galat	16	0,0077	0,00048		
Total	26	0,0718			

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

LAMPIRAN 3

Lampiran 3a. Data Pengamatan Total Karoten (mg/100gr) Hari ke 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	0,992	0,984	0,992	2,968	0,989
	G2	0,984	0,920	0,976	2,880	0,960
	G3	0,952	0,968	0,968	2,888	0,963
B2	G1	0,976	0,960	0,896	2,832	0,944
	G2	0,912	0,936	0,960	2,808	0,936
	G3	0,928	0,952	0,952	2,832	0,944
B3	G1	0,864	0,856	0,872	2,592	0,864
	G2	0,848	0,864	0,928	2,640	0,880
	G3	0,848	0,904	0,920	2,672	0,891
Total		8,304	8,344	8,464	25,112	8,371

Lampiran 3b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	2,968	2,832	2,592	8,392	0,932
G2	2,880	2,808	2,640	8,328	0,925
G3	2,888	2,832	2,672	8,392	0,932
Total B	8,736	8,472	7,904	25,112	
Rata-rata B	0,971	0,941	0,878		0,930

Lampiran 3c. Analisa Keragaman Total Karoten Hari Ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0016	0,0008	1,0127 <sup>TS</sup>	3,63
Kombinasi BG	8	0,0430	0,0054		
-Blanching (B)	2	0,0402	0,0201	25,4430 <sup>**</sup>	3,63
-Gum Arabic (G)	2	0,0003	0,00015	0,1899 <sup>TS</sup>	3,63
-Interaksi BG	4	0,0025	0,00063	0,7975 <sup>TS</sup>	3,01
Galat	16	0,0127	0,00079		
Total	26	0,0573			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

Lampiran 4

Lampiran 4a. Data Penurunan Total Karoten pada hari ke 0 dan 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	0,736	0,720	0,744	2,200	0,733
	G2	0,728	0,864	0,744	2,336	0,779
	G3	0,784	0,776	0,704	2,264	0,755
B2	G1	0,720	0,728	0,752	2,200	0,733
	G2	0,744	0,720	0,704	2,168	0,723
	G3	0,712	0,720	0,680	2,112	0,704
B3	G1	0,752	0,768	0,752	2,272	0,757
	G2	0,760	0,736	0,664	2,160	0,720
	G3	0,752	0,712	0,704	2,168	0,723
Total		6,688	6,744	6,448	19,88	6,627

Lampiran 4b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	2,200	2,200	2,272	6,672	0,741
G2	2,336	2,168	2,160	6,664	0,740
G3	2,264	2,112	2,168	6,544	0,727
Total B	6,80	6,48	6,60	19,88	
Rata-rata B	0,756	0,720	0,733		2,208

Lampiran 4c. Analisa Keragaman Penurunan Total Karoten

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0055	0,0028	2,33 <sup>TS</sup>	3,63
Kombinasi BG	8	0,0128	0,0016		
-Blanching (B)	2	0,0058	0,0029	2,42 <sup>TS</sup>	3,63
-Gum Arabic (G)	2	0,0011	0,0006	0,50 <sup>TS</sup>	3,63
-Interaksi BG	4	0,0059	0,0015	1,25 <sup>TS</sup>	3,01
Galat	16	0,0185	0,0012		
Total	26	0,0368			

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

LAMPIRAN 5

Lampiran 5a. Data Pengamatan Viskositas (cps) Hari Ke 0

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	17	18	17	52	17,33
	G2	18	18	19	55	18,33
	G3	18	19	19	56	18,67
B2	G1	19	19	19	57	19,00
	G2	19	21	20	60	20,00
	G3	21	21	20	62	20,67
B3	G1	22	20	21	63	21,00
	G2	22	23	21	66	22,00
	G3	23	22	22	67	22,33
Total		179	181	178	538	179,33

Lampiran 5b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	52	57	63	172	19,11
G2	55	60	66	181	20,11
G3	56	62	67	185	20,56
Total B	163	179	196	538	
Rata-rata B	18,11	19,89	21,78		19,93

Lampiran 5c. Analisa Keragaman Viskositas Hari Ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,5185	0,2593	0,4707 <sup>TS</sup>	3,63
Kombinasi BG	8	70,5185	8,8148		
-Blanching (B)	2	60,5185	30,2593	54,9270 <sup>**</sup>	3,63
-Gum Arabic (G)	2	9,8518	4,9259	8,9416 <sup>**</sup>	3,63
-Interaksi BG	4	0,1482	0,0371	0,0673 <sup>TS</sup>	3,01
Galat	16	8,8148	0,5509		
Total	26	79,8518			

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

LAMPIRAN 6

Lampiran 6a. Data Pengamatan Viskositas (cps) Hari Ke 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	14	15	13	42	14,00
	G2	14	14	15	43	14,33
	G3	16	15	16	47	15,67
B2	G1	16	17	15	48	16,00
	G2	17	16	16	49	16,33
	G3	17	17	17	51	17,00
B3	G1	16	17	19	52	17,33
	G2	18	19	18	55	18,33
	G3	19	19	19	57	19,00
Total		147	149	148	444	148,00

Lampiran 6b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	42	48	52	142	15,78
G2	43	49	55	147	16,33
G3	47	51	57	155	17,22
Total B	132	148	164	444	
Rata-rata B	14,67	16,44	18,22		16,44

Lampiran 6c. Analisa Keragaman Viskositas Hari Ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,2223	0,1112	0,1601 <sup>TS</sup>	3,63
Kombinasi BG	8	67,3334	8,4167		
-Blanching (B)	2	56,8889	28,4446	40,9628 <sup>**</sup>	3,63
-Gum Arabic (G)	2	9,5556	4,7778	6,8805 <sup>**</sup>	3,63
-Interaksi BG	4	0,8889	0,2222	0,3199 <sup>TS</sup>	3,01
Galat	16	11,1110	0,6944		
Total	26	78,6667			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 7

Lampiran 7a. Data Penurunan Viskositas (cps) pada hari ke 0 dan 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	3	3	4	10	3,33
	G2	4	4	4	12	4,00
	G3	2	4	3	9	3,00
B2	G1	3	2	4	9	3,00
	G2	2	5	4	11	3,77
	G3	4	4	3	11	3,77
B3	G1	6	3	2	11	3,77
	G2	4	4	3	11	3,77
	G3	4	3	3	10	3,33
Total		32	32	30	94	31,33

Lampiran 7b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	10	9	11	30	3,38
G2	12	11	11	34	3,78
G3	9	11	10	30	3,33
Total B	31	31	32	94	
Rata-rata B	3,44	3,44	3,56		3,48

Lampiran 7c. Analisa Keragaman Penurunan Viskositas

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,2963	0,1482	0,1203 <sup>TS</sup>	3,63
Kombinasi BG	8	2,7407	0,3426		
-Blanching (B)	2	0,0740	0,0370	0,0300 <sup>TS</sup>	3,63
-Gum Arabic (G)	2	1,1851	0,5926	0,4812 <sup>TS</sup>	3,63
-Interaksi BG	4	1,4816	0,3704	0,3010 <sup>TS</sup>	3,01
Galat	16	19,7037	1,2315		
Total	26	22,7407			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 8

Lampiran 8a. Data Pengamatan Jumlah Endapan (centimeter) Hari Ke 0

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	0,35	0,30	0,30	0,95	0,317
	G2	0,35	0,30	0,35	1,00	0,333
	G3	0,30	0,30	0,30	0,90	0,300
B2	G1	0,25	0,25	0,25	0,75	0,250
	G2	0,20	0,25	0,20	0,65	0,220
	G3	0,20	0,25	0,20	0,65	0,220
B3	G1	0,10	0,05	0,10	0,25	0,083
	G2	0,10	0,10	0,05	0,25	0,083
	G3	0,10	0,10	0,10	0,30	0,100
Total		1,95	1,90	1,85	5,70	1,900

Lampiran 8b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	0,95	0,75	0,25	1,95	0,217
G2	1,00	0,65	0,25	1,90	0,211
G3	0,90	0,65	0,30	1,85	0,200
Total B	2,85	2,05	0,80	5,70	
Rata-rata B	0,317	0,228	0,089		0,209

Lampiran 8c. Analisa Keragaman Jumlah Endapan Hari Ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0006	0,0003	0,0484 <sup>TS</sup>	3,63
Kombinasi BG	8	0,2417	0,0302		
-Blanching (B)	2	0,2373	0,1187	19,1452 <sup>**</sup>	3,63
-Gum Arabic (G)	2	9,0006	0,0003	0,4839 <sup>TS</sup>	3,63
-Interaksi BG	4	0,0038	0,0010	0,1613 <sup>TS</sup>	3,01
Galat	16	0,0994	0,0062		
Total	26	0,3417			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata



LAMPIRAN 9

Lampiran 9a. Data Pengamatan Jumlah Endapan (centimeter) Hari Ke 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	0,40	0,55	0,55	1,50	0,50
	G2	0,55	0,55	0,50	1,60	0,53
	G3	0,55	0,50	0,40	1,45	0,48
B2	G1	0,50	0,40	0,30	1,20	0,40
	G2	0,40	0,30	0,25	0,95	0,32
	G3	0,50	0,35	0,30	1,15	0,38
B3	G1	0,35	0,25	0,20	0,80	0,27
	G2	0,30	0,25	0,15	0,70	0,23
	G3	0,25	0,20	0,15	0,60	0,20
Total		3,80	3,35	2,80	9,95	3,32

Lampiran 9b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	1,50	1,20	0,80	3,50	0,39
G2	1,60	0,95	0,70	3,25	0,36
G3	1,45	1,15	0,60	3,20	0,35
Total B	4,55	3,30	2,10	9,95	
Rata-rata B	0,51	0,37	0,23		0,37

Lampiran 9c. Analisa Keragaman Jumlah Endapan Hari Ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0557	0,0279	8,2059 <sup>TS</sup>	3,63
Kombinasi BG	8	0,3557	0,0445		
-Blanching (B)	2	0,3335	0,1668	49,0588 <sup>**</sup>	3,63
-Gum Arabic (G)	2	0,0057	0,0029	0,8529 <sup>TS</sup>	3,63
-Interaksi BG	4	0,0165	0,0041	1,2059 <sup>TS</sup>	3,01
Galat	16	0,0543	0,0034		
Total	26	0,4657			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 10

Lampiran 10a. Data Selisih Jumlah Endapan Hari ke 0 dan 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	0,05	0,25	0,25	0,55	0,183
	G2	0,20	0,25	0,15	0,60	0,200
	G3	0,25	0,20	0,10	0,55	0,183
B2	G1	0,25	0,15	0,05	0,45	0,150
	G2	0,20	0,05	0,05	0,30	0,100
	G3	0,30	0,10	0,10	0,50	0,167
B3	G1	0,25	0,20	0,10	0,55	0,183
	G2	0,20	0,15	0,10	0,45	0,150
	G3	0,15	0,10	0,05	0,30	0,100
Total		1,85	1,45	0,95	4,25	1,417

Lampiran 10b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	0,55	0,45	0,55	1,55	0,172
G2	0,60	0,30	0,45	1,35	0,150
G3	0,55	0,50	0,30	1,35	0,150
Total B	1,70	1,25	1,30	4,25	
Rata-rata B	0,189	0,139	0,144		0,157

Lampiran 10c. Analisa Keragaman Selisih Jumlah Endapan

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0452	0,0226	4,43**	3,63
Kombinasi BG	8	0,0318	0,0040		
-Blanching (B)	2	0,0135	0,0068	1,33 <sup>TS</sup>	3,63
-Gum Arabic (G)	2	0,0003	0,0002	0,04 <sup>TS</sup>	3,63
-Interaksi BG	4	0,0018	0,0045	0,88 <sup>TS</sup>	3,01
Galat	16	0,0815	0,0051		
Total	26	0,1585			

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

LAMPIRAN 11

Lampiran 11a. Data Pengamatan Total Padatan Terlarut (% Brix) Hari Ke 0

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	13,50	14,00	14,00	41,50	13,83
	G2	15,00	14,50	14,50	44,00	14,67
	G3	15,50	15,00	15,00	45,50	15,17
B2	G1	16,00	16,50	16,50	49,00	16,33
	G2	16,50	16,50	17,00	50,00	16,67
	G3	17,00	17,00	16,50	50,50	16,83
B3	G1	17,00	17,50	17,00	51,50	17,17
	G2	17,50	17,50	17,50	52,50	17,50
	G3	18,00	17,50	17,50	53,00	17,67
Total		146,00	146,00	145,50	437,50	145,83

Lampiran 11b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	41,50	49,00	51,50	142,00	15,78
G2	44,00	50,00	52,50	146,50	16,27
G3	45,50	50,50	53,00	149,00	16,56
Total B	131,00	149,50	157,00	437,50	
Rata-rata B	14,56	16,61	17,44		16,20

Lampiran 11c. Analisa Keragaman Total Padatan Terlarut Hari Ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0185	0,0093	0,1131 <sup>TS</sup>	3,63
Kombinasi BG	8	43,2963	5,4120		
-Blanching (B)	2	39,7963	19,8982	242,0706 <sup>**</sup>	3,63
-Gum Arabic (G)	2	2,7963	1,3982	17,0097 <sup>**</sup>	3,63
-Interaksi BG	4	0,7037	0,1759	2,1399 <sup>TS</sup>	3,01
Galat	16	1,3148	0,0822		
Total	26	44,6296			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 12

Lampiran 12a.Data Pengamatan Total Padatan Terlarut (% Brix) Hari Ke 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	11,00	11,00	11,50	33,50	11,17
	G2	12,00	12,50	11,50	36,00	12,00
	G3	12,50	12,50	12,50	37,50	12,50
B2	G1	12,50	13,00	13,00	38,50	12,83
	G2	13,00	13,00	13,00	39,00	13,00
	G3	13,50	13,50	13,00	40,00	13,33
B3	G1	14,00	13,50	14,00	41,50	13,83
	G2	14,00	14,00	14,50	42,50	14,17
	G3	14,50	15,00	14,50	44,00	14,67
Total		117,00	118,00	117,50	352,50	117,50

Lampiran 12b.Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	33,50	38,50	41,50	113,50	12,61
G2	36,00	39,00	42,50	117,50	13,06
G3	37,50	40,00	44,00	121,50	13,50
Total B	107,00	117,50	128,00	352,50	
Rata-rata B	11,89	13,06	14,22		13,06

Lampiran 12c.Hasil analisa Keragaman Total Padatan Terlarut Hari Ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0556	0,0278	0,3079 <sup>TS</sup>	3,63
Kombinasi BG	8	28,6667	3,5833		
-Blanching (B)	2	24,5000	12,2500	135,6589 <sup>**</sup>	3,63
-Gum Arabic (G)	2	3,5556	1,7778	19,6877 <sup>**</sup>	3,63
-Interaksi BG	4	0,6111	0,1528	1,6921 <sup>TS</sup>	3,01
Galat	16	1,4444	0,0903		
Total	26	30,1667			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 13

Lampiran 13a. Data Penurunan Total Padatan Terlarut pada hari ke 0 dan 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	2,50	3,00	2,50	8	2,67
	G2	3,00	2,00	3,00	8	2,67
	G3	3,00	2,50	2,50	8	2,67
B2	G1	3,50	3,50	3,50	10,50	3,50
	G2	3,50	3,50	4,00	11	3,67
	G3	3,50	3,50	3,50	10,50	3,50
B3	G1	3,00	4,00	3,00	10	3,33
	G2	3,50	3,50	3,00	10	3,33
	G3	3,50	2,50	3,00	9	3,00
Total		29	28	28	85	28,33

Lampiran 13b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	8	10,5	10	28,5	3,17
G2	8	11,0	10	29,0	3,22
G3	8	10,5	9	27,5	3,06
Total B	24	32	29	85	
Rata-rata B	2,67	3,56	3,22		3,15

Lampiran 13c. Analisa Keragaman Penurunan Total Padatan Terlarut

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	0,0741	0,0371	0,2447 <sup>TS</sup>	3,63
Kombinasi BG	8	3,9074	0,4884		
-Blanching (B)	2	3,6296	0,5306	3,50 <sup>TS</sup>	3,63
-Gum Arabic (G)	2	0,1296	0,0648	0,4274 <sup>TS</sup>	3,63
-Interaksi BG	4	0,1482	0,0371	0,2447 <sup>TS</sup>	3,01
Galat	16	2,4259	0,1516		
Total	26	6,4074			

Keterangan : TS = Tidak berbeda nyata  
\*\* = Berbeda nyata

LAMPIRAN 14

Lampiran 14a. Data Pengamatan Kekerusuhan (FTU) Hari Ke 0

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	2445	2420	2440	7305	2435,00
	G2	2480	2475	2480	7435	2478,33
	G3	2515	2640	2500	7655	2551,67
B2	G1	2520	2655	2540	7715	2571,67
	G2	2780	2675	2555	8010	2670,00
	G3	2850	2730	2705	8285	2761,67
B3	G1	2860	2750	2720	8330	2776,67
	G2	2920	2820	2860	8600	2866,67
	G3	2990	2920	2970	8880	2960,00
Total		24360	24085	23770	72215	24071,67

Lampiran 14b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	7305	7715	8330	23350	2594,44
G2	7435	8010	8600	24045	2671,67
G3	7655	8285	8880	24820	2757,78
Total B	22395	24010	25810	72215	
Rata-rata B	2488,33	2667,78	2867,78		2674,63

Lampiran 14c. Analisa Keragaman Kekerusuhan Hari Ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	19368,52	9684,26	2,6116 <sup>TS</sup>	3,63
Kombinasi BG	8	773996,30	96749,54		
-Blanching (B)	2	648535,19	324267,59	87,4456 <sup>**</sup>	3,63
-Gum Arabic (G)	2	120168,52	60084,26	16,2030 <sup>**</sup>	3,63
-Interaksi BG	4	5292,595	1323,1488	0,3568 <sup>TS</sup>	3,01
Galat	16	59331,480	3708,22		
Total	26	852096,30			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 15

Lampiran 15a.Data Pengamatan Kekeruhan (FTU) Hari Ke 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	2045	2010	2055	6110	2036,67
	G2	2110	2065	2260	6435	2145,00
	G3	2190	2140	2270	6600	2200,00
B2	G1	2310	2275	2260	6845	2281,67
	G2	2375	2180	2315	6870	2290,00
	G3	2415	2200	2330	6945	2315,00
B3	G1	2500	2320	2355	7175	2391,67
	G2	2560	2595	2545	7700	2566,67
	G3	2600	2620	2500	7720	2573,33
Total		21105	20405	20890	62400	20800,00

Lampiran 15b.Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	6110	6845	7175	20130	2236,67
G2	6435	6870	7700	21005	2333,89
G3	6600	6945	7720	21265	2362,78
Total B Rata-rata B	19145 2127,22	20660 2295,56	22595 2510,56	62400	2311,11

Lampiran 15c.Analisa Keragaman Kekeruhan Hari Ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	28572,255	14286,13	3,0678 <sup>TS</sup>	3,63
Kombinasi BG	8	771433,37	96429,17		
-Blanching (B)	2	664516,70	332258,35	71,3469 <sup>**</sup>	3,63
-Gum Arabic (G)	2	78572,27	39286,13	8,4360 <sup>**</sup>	3,63
-Interaksi BG	4	28344,411	7086,10	1,5216 <sup>TS</sup>	3,01
Galat	16	74511,079	4656,94		
Total	26	874516,70			

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 16

Lampiran 16a. Data Penurunan Kekeruhan (FTU) pada hari ke 0 dan 30

Kombinasi Perlakuan Blanching Gum Arabic ( B ) ( G )		Ulangan/kelompok			Total BG	Rata <sup>2</sup> BG
		I	II	III		
B1	G1	400	410	385	1195	398,33
	G2	370	410	220	1000	333,33
	G3	325	500	230	1055	351,67
B2	G1	210	380	280	870	290
	G2	405	495	240	1140	380
	G3	435	530	375	1340	446,67
B3	G1	360	430	365	1155	385
	G2	360	225	315	900	300
	G3	390	300	470	1160	386,67
Total		3255	3680	2880	9815	3271,67

Lampiran 16b. Hasil Analisa Dua Arah

Faktor G	Faktor B			Total G	Rata <sup>2</sup> G
	B1	B2	B3		
G1	1195	870	1155	3220	357,78
G2	1000	1140	900	3040	337,78
G3	1055	1340	1160	3355	372,78
Total B	3250	3350	3215	9815	
Rata-rata B	361,11	372,22	357,22		363,52

Lampiran 16c. Analisa Keragaman Penurunan Kekeruhan

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel ( 5% )
Kelompok/ulangan	2	35601,85	17800,93	2,6003 <sup>TS</sup>	3,63
Kombinasi BG	8	59657,41	7457,18		
-Blanching (B)	2	1090,74	545,37	0,0797 <sup>TS</sup>	3,63
-Gum Arabic (G)	2	15179,63	7589,82	1,1087 <sup>TS</sup>	3,63
-Interaksi BG	4	43387,04	10846,76	1,5845 <sup>TS</sup>	3,01
Galat	16	109531,48	6845,72		
Total	26	204790,74			

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata



DATA ORGANOLEPTIK BAU SAHI WORTEL.  
HARI KE-0

Panelis	BIG1			BIG2			BIG3			B2G1			B2G2			B3G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	4.0	3.7	3.9	4.4	3.2	2.9	2.6	3.5	3.9	5.2	6.8	4.5	4.5	6.6	3.7	4.1	5.2	4.8	5.5	7.0	5.8	5.1	6.8	4.7	4.3	5.5	5.8	128.0
2	3.1	3.1	4.0	3.8	2.3	3.6	2.6	2.2	2.6	5.7	6.3	5.2	6.4	4.3	4.5	5.3	6.6	3.9	4.6	7.0	5.2	6.5	7.2	4.8	5.7	6.0	4.9	127.4
3	2.9	2.2	2.7	4.7	4.1	3.9	3.7	3.6	2.4	4.4	4.3	5.4	5.8	5.8	4.9	6.0	4.0	4.4	4.3	6.5	6.0	6.7	6.0	5.3	6.4	6.6	5.2	128.2
4	3.1	3.6	4.3	3.2	3.9	2.3	3.1	2.9	2.3	6.0	5.1	4.9	6.2	4.5	5.8	5.5	3.9	5.6	6.2	4.3	4.9	5.3	5.1	4.9	5.9	4.8	6.3	123.9
5	3.6	3.5	2.2	3.7	3.2	2.7	3.6	2.5	2.2	4.4	6.0	4.6	5.0	4.8	3.7	6.1	3.3	5.9	5.3	5.6	6.2	4.3	5.0	5.5	5.2	6.1	4.3	118.5
6	2.3	4.4	3.5	2.1	3.2	3.6	2.3	2.8	3.7	6.4	4.0	5.0	5.2	3.6	4.4	4.8	4.5	6.0	5.9	4.6	5.7	5.8	4.0	5.2	5.5	4.2	4.7	117.4
7	3.1	3.9	3.2	3.2	4.3	2.7	3.2	3.2	3.1	5.0	7.0	6.1	5.3	6.3	4.8	3.5	6.0	4.7	6.5	6.7	4.8	5.6	7.8	6.4	6.7	5.1	5.0	133.2
8	4.5	3.8	2.7	3.5	4.1	2.3	4.9	3.3	2.9	4.8	5.4	5.2	5.6	4.9	5.1	6.2	5.8	6.1	6.9	6.0	5.9	5.5	5.4	6.3	6.1	5.1	4.7	133.0
9	3.8	2.6	2.8	4.1	3.0	4.7	3.8	2.7	2.8	5.5	6.3	4.0	4.9	3.9	5.0	3.4	6.2	5.5	6.5	6.5	6.4	3.8	7.5	5.0	4.6	6.9	5.3	127.5
10	2.8	2.8	2.0	3.3	3.1	4.0	2.8	3.3	2.7	6.3	5.4	4.1	5.7	4.9	4.9	6.4	5.8	5.2	5.4	6.0	6.3	6.5	5.4	5.1	6.5	7.1	5.1	128.9
Total	33.2	32.6	31.3	36.0	34.4	32.7	32.6	30.0	28.6	53.7	56.6	49.0	54.6	49.6	46.8	51.3	51.3	52.1	57.1	60.2	57.2	55.1	60.2	53.2	56.9	57.4	51.3	1266.0
Rata-rata	3.27			3.44			3.04			5.31			5.03			5.16			5.82			5.62			5.52			

Lampiran 18. Analisa Keragaman Organoleptik Bau Hari ke 0

Jumlah Keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	464,41	1,73		
Treatments	8	292,59	36,57	52,24**	2,00
Panelists	9	9,52	1,06	1,51 <sup>TS</sup>	1,94
Replications	2	3,76	1,88	2,69 <sup>TS</sup>	3,06
TreatmentxPanelists	72	33,85	0,47	0,67 <sup>TS</sup>	1,37
Error	178	124,69	0,70		

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

DATA ORGENOLITIK BAU SARI WORTEL  
HARI KE 30

Panelis	B1G1			B1G2			B1G3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	20	28	28	29	36	31	23	27	30	41	40	38	41	36	43	46	40	49	51	40	49	51	54	40	53	40	46	105.0
2	28	26	38	20	37	26	18	22	29	43	47	41	44	29	42	39	42	50	55	45	43	40	47	36	49	33	42	101.1
3	27	38	45	25	28	17	20	25	28	47	48	36	50	33	41	37	36	46	49	41	44	43	51	38	36	47	47	102.3
4	3.2	2.9	3.1	2.7	2.9	1.8	1.4	1.7	2.2	4.0	4.3	4.7	4.3	3.5	3.3	4.8	4.8	3.6	4.5	4.7	4.9	4.4	5.0	4.3	4.2	5.2	3.9	101.3
5	3.5	4.4	2.3	1.9	3.2	2.4	1.5	1.8	2.4	3.9	4.9	4.1	4.8	3.0	5.0	4.3	4.7	3.2	4.8	4.6	5.2	4.2	4.0	4.1	4.8	4.6	4.8	102.4
6	2.2	2.5	3.6	2.6	2.9	3.0	2.6	2.3	2.3	4.6	4.0	4.3	3.4	3.1	4.3	4.2	4.5	4.3	5.3	5.3	5.3	5.5	4.8	4.9	4.4	3.3	3.3	103.8
7	4.3	2.6	3.1	2.3	2.6	1.3	2.7	1.9	2.7	3.1	3.9	4.6	3.1	3.3	3.4	3.6	3.6	3.9	4.2	4.2	4.2	4.9	3.9	3.7	5.0	4.9	4.9	96.9
8	2.7	2.2	2.9	2.0	2.5	1.7	1.8	1.9	2.1	3.9	4.7	3.6	5.2	5.2	4.0	4.4	4.1	4.1	4.1	4.3	4.8	5.3	4.2	4.5	4.5	4.8	5.6	101.1
9	4.0	3.1	3.1	2.9	2.2	2.2	1.9	2.0	2.0	4.5	4.2	4.7	3.6	5.8	4.7	4.3	4.3	4.0	4.6	5.2	4.2	4.8	4.5	4.1	5.0	3.9	4.3	104.1
10	3.9	3.7	4.0	2.5	2.7	2.4	1.7	2.6	2.4	3.3	4.5	4.2	3.1	4.1	3.9	3.9	4.8	3.5	5.0	5.0	4.6	4.7	3.8	3.6	3.1	3.7	4.9	99.6
Total	31.3	33.6	33.2	24.3	29.1	22.2	19.7	21.6	24.8	40.4	44.0	41.7	41.0	37.8	41.2	41.7	42.6	41.1	48.0	45.9	46.8	47.2	45.4	40.6	44.8	42.4	45.2	1017.6
Rate-rate	3.27			2.52			2.20			4.20			4.00			4.18			4.69			4.44			4.41			

Lampiran 20. Analisa Keragaman Organoleptik Bau Hari ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	275,76	1,03		
Treatments	8	191,55	23,94	79,80**	2,00
Panelists	9	1,86	0,21	0,70 <sup>TS</sup>	1,94
Replications	2	0,19	0,099	0,32 <sup>TS</sup>	3,06
TreatmentxPanelists	72	28,75	0,399	1,33 <sup>TS</sup>	1,37
Error	178	53,41	0,300		

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

LAMPIRAN 21

DATA PENURUNAN BAU SARI WORTEL  
SELAMA PENYIMPANAN HARI KE 0 DAN 30

Panalis	BIG1			BIG2			BIG3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	2.0	0.9	1.1	1.5	0.4	0.2	0.3	0.8	0.9	1.1	2.8	0.7	0.4	3.0	0.6	0.5	1.2	0.1	0.4	3.0	0.9	0.1	1.4	0.7	1.0	1.5	1.2	28.7
2	0.3	0.5	0.2	1.8	1.4	1.0	0.8	0.1	0.3	1.4	1.6	1.1	2.0	1.4	0.3	1.4	2.4	1.1	0.9	2.5	0.9	2.5	2.5	1.2	0.8	2.7	0.7	33.8
3	0.2	1.6	1.8	2.2	1.3	2.2	1.7	1.1	0.4	0.3	0.5	1.8	0.8	2.5	0.8	2.3	0.4	0.2	0.6	2.4	1.6	2.4	0.9	1.5	2.8	1.9	0.5	36.7
4	0.1	0.3	1.2	0.5	1.0	0.5	1.7	1.2	0.1	2.0	0.8	0.2	1.9	1.0	2.5	0.7	0.9	2.0	1.7	0.4	0.1	0.9	0.1	0.6	1.7	0.4	2.4	26.9
5	0.1	0.9	0.1	1.8	0.1	0.3	2.1	0.7	0.2	0.5	1.1	0.5	0.2	1.8	1.3	1.8	1.4	2.7	0.5	1.0	1.0	0.1	1.0	1.4	0.4	1.5	0.5	25.0
6	0.1	0.9	0.1	0.5	0.3	0.6	0.3	0.5	1.4	1.8	0.1	0.7	1.8	0.5	0.1	0.6	0.1	1.7	0.6	0.7	0.4	0.3	0.8	0.3	1.1	0.9	1.4	18.6
7	1.2	0.3	0.1	0.9	1.7	1.4	0.5	1.3	0.4	1.9	3.1	1.5	2.2	3.0	1.4	0.1	2.4	0.8	2.3	2.5	0.6	0.7	3.9	2.7	1.7	0.2	0.1	38.9
8	1.8	1.6	0.2	1.5	1.6	0.6	3.1	1.4	0.8	0.9	0.7	1.6	0.4	0.3	1.1	1.8	1.7	2.0	2.8	1.7	1.1	0.2	1.2	1.8	1.6	0.3	0.9	34.7
9	0.2	0.5	0.3	1.2	0.8	2.5	1.9	0.7	0.8	1.0	2.1	0.7	1.3	1.9	0.3	0.9	1.9	1.5	1.9	1.3	2.2	1.0	3.0	0.9	0.4	3.0	1.0	35.2
10	1.1	0.9	2.0	0.8	0.4	1.6	1.1	0.7	0.3	3.0	0.9	0.1	2.6	0.8	1.0	2.5	1.0	1.7	0.4	1.0	1.7	1.8	1.6	1.5	3.4	3.4	0.2	37.5
Total	7.1	8.4	7.1	13	9.0	10.9	3.5	8.5	5.6	13.9	13.7	8.9	3.6	16.2	9.4	12.6	13.4	13.8	12.1	16.5	10.5	10.0	16.4	12.6	14.9	15.8	8.9	316.0
Total-rata-rata	0.75			1.09			0.92			1.22			1.31			1.33			1.30			1.32						

Lampiran 22. Analisa Keragaman Penurunan Bau

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	182,063	0,6768		
Treatments	8	10,369	1,2961	2,09**	2,00
Panelists	9	14,244	1,5826	2,55 <sup>TS</sup>	1,94
Replications	2	5,4948	2,7474	4,44**	3,06
TreatmentxPanelists	72	41,750	0,5799	0,94 <sup>TS</sup>	1,37
Error	178	110,205	0,6191		

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

DATA ORGENOLEPTIK WARNA SARI WORTEL.  
HARI KE 0

Ponelis	B1G1			B1G2			B1G3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	6.7	7.8	7.8	7.8	7.5	6.4	7.7	6.6	4.9	5.3	8.0	5.7	6.8	5.0	6.7	6.3	5.8	6.3	4.2	6.8	4.3	5.1	5.6	5.9	5.8	4.6	3.6	165.0
2	7.0	6.5	6.5	6.9	7.5	7.0	7.3	6.5	7.7	6.9	7.5	4.9	7.2	6.0	6.2	6.6	7.0	5.2	5.9	6.5	5.1	6.1	5.0	6.3	4.4	3.8	4.6	168.1
3	7.3	7.8	7.9	6.7	7.2	6.9	6.6	6.0	6.0	5.6	7.2	6.3	7.6	8.3	5.9	4.7	6.7	6.9	3.1	3.1	3.9	4.6	6.0	4.6	4.9	5.5	4.8	162.1
4	7.8	7.6	7.0	6.7	6.8	7.2	7.3	7.5	5.3	6.5	6.6	7.1	7.0	8.8	5.2	5.4	7.6	5.0	6.9	3.5	4.7	6.3	6.7	4.5	5.7	6.9	5.0	172.6
5	6.2	6.7	8.1	6.6	5.1	6.3	7.0	6.1	6.3	7.0	4.0	4.3	6.2	5.9	7.1	5.5	6.7	5.7	5.2	3.4	4.3	4.3	4.9	5.1	4.4	3.9	3.4	149.7
6	6.4	6.1	7.3	6.4	6.1	6.6	6.1	6.0	4.8	6.0	8.1	6.3	5.3	5.1	7.8	6.6	6.9	6.3	6.6	4.1	5.2	5.3	6.1	5.7	3.7	6.0	5.6	162.5
7	6.2	6.5	7.9	7.4	7.4	6.1	5.7	6.8	5.6	7.0	5.5	7.3	6.7	6.4	4.7	6.8	5.7	5.4	4.2	5.5	3.7	4.2	5.3	4.3	3.8	4.9	4.3	155.3
8	6.6	7.5	8.4	5.7	7.5	6.7	6.0	6.5	7.1	5.4	7.5	4.7	5.0	8.3	5.6	5.5	7.0	4.6	5.2	4.0	3.6	5.1	6.0	5.0	5.3	3.5	4.1	157.4
9	7.0	6.9	8.0	6.9	6.6	7.0	6.8	6.7	6.3	7.4	5.0	4.5	4.9	6.5	5.9	5.0	7.0	6.5	6.0	5.0	4.0	4.9	5.8	4.9	3.0	4.3	3.7	156.5
10	7.1	7.4	7.7	8.0	5.8	6.9	6.1	7.3	6.7	6.3	6.6	5.2	6.7	4.0	4.8	4.2	5.8	6.3	4.2	6.5	4.9	4.9	6.2	4.7	4.6	4.7	3.9	158.0
Total	68.3	70.8	76.6	69.1	67.5	67.1	66.6	66.5	60.7	63.4	66.0	56.3	63.4	64.3	59.9	56.6	66.2	58.2	51.5	48.4	43.7	50.8	57.6	51.0	45.6	48.1	43.0	1607.2
Rata-rata	7.19			6.79			6.46			6.19			6.25			6.03			4.79			5.31			4.56			

Lampiran 24. Analisa Keragaman Organoleptik Warna Hari ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	406,43	1,51		
Treatments	8	190,79	23,85	29,09**	2,00
Panelists	9	15,04	1,67	2,04**	1,94
Replications	2	8,41	4,21	5,13**	3,06
TreatmentxPanelists	72	46,59	0,65	0,79 <sup>TS</sup>	1,37
Error	178	145,60	0,82		

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata



DATA ORGANOPTIK WARNA SARI WORTEL.

HARI KE 30

Panelis	BIG1			BIG2			BIG3			EXG1			EXG2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	4.6	4.9	5.2	4.3	4.7	6.2	5.9	4.4	4.1	3.3	3.0	4.3	5.1	3.0	3.6	4.1	4.1	4.2	5.0	2.2	3.2	3.9	3.8	3.6	3.9	3.8	3.6	113.9
2	6.1	5.6	5.9	4.6	5.3	6.9	4.9	5.6	4.3	3.5	3.7	3.1	5.0	5.8	4.7	3.7	4.2	3.9	4.1	3.0	3.1	4.0	3.6	4.1	4.0	3.6	4.1	121.5
3	4.3	6.0	6.3	6.1	4.0	6.0	5.1	4.3	5.2	3.9	2.8	2.8	4.5	4.4	4.2	4.3	4.5	4.1	4.0	2.7	4.5	3.5	3.7	4.2	3.5	3.7	4.2	120.2
4	5.1	5.1	4.5	6.7	6.6	6.8	4.8	4.8	5.8	3.1	5.0	5.0	3.1	3.3	3.4	3.1	2.6	4.5	5.1	3.4	2.2	3.7	2.8	3.3	3.7	2.8	3.3	118.2
5	6.2	6.7	4.8	5.2	4.2	5.5	4.9	3.6	4.0	4.6	5.1	4.7	2.4	3.1	4.3	4.4	2.6	2.8	4.2	4.0	3.8	4.5	4.2	3.3	4.3	2.9	4.0	115.3
6	4.2	6.2	4.9	4.0	4.4	6.3	5.0	4.1	4.1	3.1	4.0	4.1	4.8	3.0	5.0	3.8	4.0	5.3	3.3	3.4	3.7	3.3	4.2	4.5	4.2	3.2	3.8	113.9
7	4.9	5.8	5.1	4.1	3.7	4.7	6.8	6.4	5.2	2.0	4.9	5.3	4.3	3.5	3.3	3.2	4.9	4.9	4.1	4.4	4.1	4.3	3.1	4.3	3.3	2.9	4.2	117.7
8	5.3	5.3	4.2	4.2	4.5	4.9	5.9	4.1	6.5	3.1	2.7	4.6	4.3	3.3	4.1	5.6	4.8	5.6	2.2	2.6	3.2	4.2	2.0	4.5	4.0	3.0	4.1	113.8
9	5.1	6.1	5.8	5.8	4.9	5.0	6.2	4.2	6.0	3.3	4.1	4.2	5.4	2.9	4.2	4.9	2.3	4.4	3.5	2.9	3.6	3.0	3.0	4.1	3.9	3.0	3.8	115.6
10	4.9	6.0	4.6	5.3	5.9	5.2	6.8	5.3	4.7	5.1	3.5	3.6	4.1	3.6	4.3	5.0	3.2	5.0	2.7	3.4	3.1	4.4	4.1	3.9	3.5	2.5	4.2	117.9
Total	50.7	57.7	51.3	50.3	48.2	57.5	56.3	46.8	49.9	35.0	38.8	41.7	55.7	37.3	41.2	47.0	37.3	43.9	35.2	37.1	38.2	41.9	31.9	37.6	38.3	31.4	39.3	1168.0
rata-rata	5.32			5.20			5.10			3.80			4.16			4.27			3.68			3.71			3.63			

Lampiran 26. Analisa Keragaman Organoleptik Warna Hari ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	286,82	1,07		
Treatments	8	117,90	14,74	26,80**	2,00
Panelists	9	2,37	0,26	0,47 <sup>TS</sup>	1,94
Replications	2	9,49	4,75	8,63**	3,06
TreatmentxPanelists	72	58,56	0,81	1,47**	1,37
Error	178	98,50	0,55		

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

DATA PENURUNAN WARNA SARI WORTEL.  
SELAMA PENYIMPANAN HARI KE 0 DAN 30

Panelis	BIG1			BIG2			BIG3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	21	29	26	3.5	2.8	0.2	1.8	2.2	0.8	20	5.0	1.4	1.6	0.9	2.8	1.2	2.8	2.7	0.1	2.7	0.1	0.1	3.4	2.7	1.9	0.8	0.1	51.2
2	0.9	0.9	0.6	2.3	2.2	0.1	2.4	0.9	3.4	3.4	3.8	1.8	1.7	0.2	1.5	1.6	3.9	1.0	2.2	2.3	1.2	2.0	2.9	3.2	0.4	0.2	0.5	46.6
3	3.0	1.8	1.6	0.6	3.2	0.9	1.5	1.7	0.8	1.7	4.4	3.5	2.0	3.1	1.9	0.2	2.3	2.7	1.2	1.4	0.2	0.6	3.3	0.1	1.4	1.8	0.6	47.5
4	2.7	2.5	2.5	0.1	0.2	0.4	2.5	2.7	0.5	3.4	1.6	2.1	3.9	5.5	1.8	0.1	2.6	1.1	3.8	0.9	0.2	1.2	3.3	3.3	2.0	4.1	1.7	55.7
5	0.1	0.1	3.3	1.4	0.9	0.8	2.1	2.5	2.3	2.4	1.1	0.4	2.8	2.8	2.8	1.1	4.1	2.9	1.0	0.6	0.5	0.2	0.7	1.8	0.1	1.0	0.6	40.4
-6	2.2	0.1	2.4	0.3	1.7	0.3	1.1	1.9	0.7	2.9	4.1	2.2	0.5	2.1	2.8	2.8	2.9	1.0	3.3	0.7	1.5	2.0	1.9	1.8	0.5	2.8	1.8	47.7
7	1.3	0.7	2.8	2.3	3.7	1.4	1.1	0.4	0.4	5.0	2.6	2.0	2.4	2.9	1.4	3.6	0.8	0.5	1.0	1.1	0.4	0.1	2.2	0.1	0.5	2.0	0.1	43.8
8	1.3	2.2	4.2	1.5	3.0	1.8	0.1	2.4	0.6	1.7	4.8	0.1	0.7	5.0	1.5	0.1	2.2	1.0	3.0	0.4	0.4	0.9	4.0	0.5	1.3	0.5	0.1	45.3
9	1.9	0.8	2.2	1.1	1.7	2.0	1.0	2.5	0.3	4.1	0.9	0.3	0.5	3.6	1.7	0.1	4.7	2.1	2.5	2.1	0.4	1.9	2.8	0.8	0.9	1.3	0.1	44.3
10	2.2	1.4	3.1	2.7	0.1	1.7	0.7	2.5	2.0	1.2	3.1	1.6	2.6	0.4	0.5	0.8	2.6	1.3	1.5	3.1	1.8	0.5	2.1	0.8	1.1	2.2	0.3	43.9
Total	17.7	13.4	25.2	16.8	19.5	3.6	14.3	19.7	11.8	27.8	31.4	15.4	18.7	26.5	18.7	11.6	28.9	16.3	19.6	15.3	6.7	9.5	25.7	13.5	10.1	16.7	5.9	466.4
Rata-rata	1.88			1.53			2.13			1.89			1.39			1.62			1.09									

Lampiran 28 Analisa Keragaman Penurunan Warna

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	386,737	1,44		
Treatments	8	42,056	5,26	4,28**	2,00
Panelists	9	6,1676	0,69	0,56 <sup>TS</sup>	1,94
Replications	2	30,829	15,41	12,53**	3,06
TreatmentxPanelists	72	88,580	1,23	1,00 <sup>TS</sup>	1,37
Error	178	219,104	1,23		

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata

DATA ORGANOLEPTIK RASA SARU WORTEL  
HARI KE 0

Panalis	B1G1			B1G2			B1G3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL			
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				
1	5.2	8.2	5.2	4.5	5.3	6.3	3.0	5.7	4.6	6.0	8.4	6.2	5.2	6.5	4.5	4.5	3.0	3.6	6.0	8.1	5.6	5.1	6.0	5.0	5.0	6.1	5.2	5.0	6.1	5.2	148.0
2	5.7	4.1	4.9	6.0	4.2	6.7	3.5	4.0	3.9	5.8	6.2	5.4	5.8	6.0	4.9	5.5	3.1	4.2	5.9	4.4	4.3	5.9	5.8	4.3	5.4	5.2	4.9	5.4	5.2	4.9	136.0
3	6.2	4.2	4.7	6.6	4.0	5.8	5.4	6.2	4.3	4.0	6.9	4.7	5.1	6.0	5.0	5.0	4.3	3.9	6.8	5.9	4.8	6.1	6.1	5.6	5.1	5.5	5.1	5.1	5.5	5.1	143.3
4	4.0	4.6	5.8	5.1	6.5	6.8	5.4	3.3	4.2	6.4	4.3	5.1	6.2	6.4	4.3	4.4	5.1	2.8	4.6	4.1	7.2	4.8	3.5	3.8	3.6	5.6	5.5	3.6	5.6	5.5	133.4
5	6.0	5.3	6.0	4.2	4.1	5.0	5.2	3.0	3.8	4.5	6.5	6.2	4.8	5.2	6.2	5.1	2.5	4.2	5.8	4.7	6.1	4.0	5.4	3.9	4.8	3.0	4.8	4.8	3.0	4.8	130.3
6	6.9	6.8	5.7	3.9	3.5	4.6	4.1	2.9	4.0	5.6	6.6	5.8	5.0	4.8	4.7	5.0	3.9	5.3	6.4	4.5	7.9	4.1	4.5	5.7	3.4	4.4	4.7	3.4	4.4	4.7	134.7
7	6.4	6.7	4.6	5.8	4.3	4.8	5.4	3.3	4.2	6.9	5.5	6.9	5.3	4.3	6.3	4.9	2.3	5.5	4.6	7.7	5.9	5.9	4.2	6.0	4.0	6.4	5.9	4.0	6.4	5.9	144.0
8	5.9	6.6	4.5	5.3	4.8	5.1	4.2	2.8	3.9	7.1	5.7	4.0	6.2	4.7	5.2	5.6	3.2	4.5	6.6	4.7	8.0	6.1	4.3	3.9	5.0	4.6	5.2	5.0	4.6	5.2	137.7
9	6.3	4.4	4.8	4.0	5.7	4.9	5.1	3.3	4.1	5.5	7.5	4.5	6.1	6.6	4.8	3.2	4.8	5.0	5.7	5.0	7.5	3.2	4.1	4.7	5.1	3.9	4.6	5.1	3.9	4.6	134.4
10	6.7	6.7	5.2	4.2	4.3	6.2	4.8	3.5	5.0	4.1	4.5	5.2	6.6	4.8	4.2	3.8	4.9	4.9	5.1	6.3	7.6	6.7	4.2	5.1	4.3	4.4	3.9	4.3	4.4	3.9	137.2
Total	59.3	57.6	51.4	49.6	46.7	56.2	46.1	38.0	42.0	55.9	62.1	54.0	56.3	55.3	50.1	47.0	37.1	43.9	57.5	55.4	64.9	51.9	48.1	48.0	45.7	49.1	43.3	45.7	49.1	43.3	1379.0
Rata-rata	5.61			5.08			4.20			5.13			6.39			4.27			5.93			4.93			4.82						

Lampiran 30. Analisa Keragaman Organoleptik Rasa Hari ke 0

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	339,27	1,26		
Treatments	8	90,99	11,37	11,37**	2,00
Panelists	9	10,12	1,12	1,12 <sup>TS</sup>	1,94
Replications	2	2,21	1,11	1,11 <sup>TS</sup>	3,06
TreatmentxPanelists	72	57,37	0,80	0,80 <sup>TS</sup>	1,37
Error	178	178,58	1,00		

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata

DATA ORGENOLEPTIK RASA SARI WORTEL  
HARI KE 30

Panelis	BIG1			BIG2			BIG3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	3.1	2.5	4.2	3.4	3.5	3.1	2.4	1.2	1.7	3.2	3.5	3.2	2.7	3.3	2.8	2.4	2.6	1.7	3.2	3.2	3.7	2.3	2.7	2.3	3.5	2.6	3.1	77.1
2	3.6	3.6	3.3	2.6	2.2	3.7	2.3	1.9	1.5	2.7	3.6	4.3	3.7	2.8	2.3	2.0	2.0	1.9	3.7	3.3	2.3	2.2	2.9	2.9	2.4	2.3	3.5	75.5
3	3.7	2.9	4.4	2.9	3.9	2.4	1.9	1.5	1.6	3.9	3.2	2.7	2.8	3.2	3.2	2.1	1.9	1.8	4.4	4.1	3.9	2.9	3.3	3.8	2.9	2.8	2.9	81.0
4	2.4	3.2	3.6	2.3	2.5	2.5	1.3	2.5	2.0	3.1	2.5	4.0	3.1	3.3	2.8	2.7	1.9	2.7	3.9	3.9	3.6	2.8	2.8	2.7	3.2	3.5	2.8	77.6
5	2.6	3.5	3.9	2.2	3.5	3.6	2.2	3.5	3.6	3.0	3.7	3.6	2.9	2.7	3.9	2.3	2.3	2.6	4.6	3.2	2.9	3.6	3.5	2.9	3.0	2.7	2.2	82.2
6	2.8	2.8	3.7	2.9	2.7	3.9	1.9	2.3	3.1	2.8	2.9	3.0	2.2	3.5	3.6	2.4	1.8	1.5	3.3	3.1	3.9	3.4	2.7	3.6	2.2	2.4	2.4	76.8
7	3.8	3.2	3.8	3.1	3.0	2.7	2.1	2.2	2.3	3.7	3.6	2.8	2.3	2.5	2.6	2.2	1.7	1.4	4.0	2.9	3.7	2.7	2.9	3.9	2.3	2.3	2.3	76.0
8	2.9	2.9	3.9	2.7	3.3	3.2	2.8	1.8	1.8	3.5	2.8	2.9	2.9	3.9	2.5	2.8	2.5	2.0	3.9	4.3	3.3	3.1	3.0	2.3	2.6	2.9	2.1	79.6
9	3.2	3.7	2.3	3.7	3.2	2.3	1.9	2.3	2.6	4.1	2.9	3.2	2.6	2.2	3.7	2.9	2.2	1.8	2.9	4.5	2.9	2.6	2.3	2.2	2.9	2.9	3.0	77.0
10	2.3	3.3	2.7	2.6	3.4	2.7	1.7	2.1	2.2	3.3	4.4	3.5	3.4	3.6	3.1	3.0	2.7	2.3	4.2	4.2	3.6	2.3	2.7	2.3	3.7	3.0	2.4	80.7
Total	30.4	32.6	35.8	23.4	31.2	30.1	20.5	20.5	21.2	33.3	33.1	33.2	28.6	31.0	30.5	24.8	21.6	19.7	38.1	36.7	33.8	27.9	28.8	28.9	28.7	27.4	26.7	783.5
Rata-rata	3.29			2.99			2.07			3.32		3.00			2.20			3.62			2.85			2.76				

Lampiran 32. Analisa Keragaman Organoleptik Rasa Hari ke 30

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	126,58	0,47		
Treatments	8	61,79	7,72	30,88**	2,00
Panelists	9	1,79	0,199	0,796 <sup>TS</sup>	1,94
Replications	2	0,06	0,03	0,12 <sup>TS</sup>	3,06
TreatmentxPanelists	72	18,57	0,26	1,04 <sup>TS</sup>	1,37
Error	178	44,37	0,25		

Keterangan : TS = Tidak berbeda nyata

\*\* = Berbeda nyata



DATA PENURUNAN RASA SARI WORTEL  
SELAMA PENYIMPANAN HARI KE 0 DAN 30

Panelis	B1G1			B1G2			B1G3			B2G1			B2G2			B2G3			B3G1			B3G2			B3G3			TOTAL
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
1	21	57	1.0	1.1	1.8	3.2	0.6	4.5	2.9	2.8	4.9	3.0	2.5	3.2	1.7	2.1	0.4	1.9	2.8	4.9	1.9	2.8	3.3	2.7	1.5	3.5	2.1	70.9
2	21	0.5	1.6	3.4	2.0	3.0	1.2	2.1	2.4	3.1	2.6	1.1	2.1	3.2	2.6	3.5	1.1	2.3	2.2	1.1	2.0	3.7	2.9	1.4	3.0	2.9	1.4	60.5
3	2.5	1.3	0.3	3.7	0.1	3.4	3.5	4.7	2.7	0.1	3.7	2.0	2.3	2.8	1.8	2.9	2.4	2.1	2.4	1.8	0.9	3.2	2.8	1.8	2.3	2.7	2.2	62.4
4	1.6	1.4	2.2	2.8	4.0	4.3	4.1	0.8	2.2	3.3	1.8	1.1	3.1	3.1	1.5	1.7	3.2	0.1	0.7	0.2	3.6	2.0	0.7	1.1	0.4	2.1	2.7	55.8
5	3.4	1.8	2.1	2.0	0.6	1.4	3.0	0.3	1.4	1.5	2.8	2.6	1.9	2.5	2.3	2.8	0.2	1.6	1.2	1.5	3.2	0.4	1.9	1.0	1.8	0.3	2.6	48.1
6	4.1	4.0	2.0	1.0	0.8	0.7	2.2	0.6	0.9	2.8	3.7	2.8	2.8	1.3	1.1	2.6	2.1	3.8	3.1	1.4	4.0	0.7	1.8	2.1	1.2	2.0	2.3	57.9
7	2.6	3.5	0.8	2.7	1.3	2.1	3.3	1.1	1.9	3.2	1.9	4.1	3.0	1.8	3.7	2.7	0.6	4.1	0.6	4.8	2.2	3.2	1.3	2.1	1.7	4.1	3.6	68.0
8	3.0	2.7	0.6	2.6	1.5	1.9	1.4	1.0	2.1	3.6	2.9	1.1	3.3	0.8	2.7	2.8	0.7	2.5	2.7	0.4	4.7	3.0	1.3	1.6	2.4	1.7	3.1	58.1
9	3.1	0.7	2.5	0.3	2.5	2.6	3.2	1.0	1.5	1.4	4.6	1.3	3.5	4.4	1.1	0.3	2.6	3.2	2.8	0.5	4.6	0.6	1.8	2.5	2.2	1.0	1.6	57.4
10	4.4	2.4	2.5	1.6	0.9	3.5	3.1	1.4	3.8	0.8	0.1	1.7	3.2	1.3	1.1	0.8	2.2	2.6	0.9	2.1	4.0	4.4	1.5	2.8	0.6	1.4	1.5	56.5
Total	28.9	25.0	15.6	21.2	15.5	26.1	25.6	17.5	20.8	22.6	29.0	20.8	27.7	24.3	19.6	22.2	15.5	24.2	19.4	18.7	31.1	24.0	19.3	19.1	17.1	21.7	23.1	595.6
Rata-rata	2.32	2.09	2.41	2.39	2.06	2.31	2.08	2.06	2.31	2.08	2.06	2.31	2.08	2.06	2.31	2.08	2.06	2.31	2.08	2.31	2.08	2.06	2.31	2.08	2.06	2.31	2.08	

Lampiran 34 Analisa Keragaman Penurunan Rasa

Jumlah keragaman	DB	JK	RJK	F Hitung	F Tabel
Total	269	349,171	1,30		
Treatments	8	5,1918	0,65	0,48 <sup>TS</sup>	2,00
Panelists	9	13,821	1,54	1,13 <sup>TS</sup>	1,94
Replications	2	2,7961	1,40	1,03 <sup>TS</sup>	3,06
TreatmentxPanelists	72	84,925	1,18	0,87 <sup>TS</sup>	1,37
Error	178	242,437	1,36		

Keterangan : TS = Tidak berbeda nyata  
 \*\* = Berbeda nyata