

7. LAMPIRAN

Lampiran 1. Analisa Data *Total Soluble Solid* Sari Buah Tomat

Variable: TSS

Source	SS	df	MS	F	P

Main Effects					
simp	0.00125	1	0.00125	0.1898734168	.6634 ns
pngw	0.0415277778	3	0.0238425926	3.1026722923	.0185 *
hari	0.1240277778	5	0.0248055556	3.7679324894	.0026 **
Interaction					
simp x pngw	0.0381944445	3	0.0127314815	1.9338959217	.1247 ns
simp x hari	0.0229166667	5	0.0045833333	0.6962025319	.6268 ns
pngw x hari	0.1976388889	15	0.0131759259	2.0014064698	.0159 *
simp x pngw x hari	0.1943055555	15	0.0129537037	1.9676511953	.0182 *
Error	1.58	240	0.0065833333		

Total	2.1998611111	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant	ranges

1	1	11,0138888888889	144	a	
2	2	10,9847222222222	144	a	

Factor: pngw

Rank	Trt#	Mean	n	Non-significant	ranges

1	1	11.008333333	72	a	
2	2	11,0055555555556	72	ab	
3	3	11,0027777777778	72	ab	
4	4	10.980555556	72	b	

Factor: hari

Rank	Trt#	Mean	n	Non-significant	ranges

1	1	11	48	a	
2	2	11,0208333333333	48	a	
3	3	11,0291666666667	48	a	
4	4	11,0083333333333	48	a	
5	5	10,975	48	ab	
6	6	10,9625	48	b	

Lampiran 2. Analisa Data Densitas Sari Buah Tomat

Variable: Densitas

Source	SS	df	MS	F	P

Main Effects					
simp	1.706573E-06	1	1.706573E-06	2.8640906082	.0919 ns
pngw	7.533532E-07	3	2.511177E-07	0.4214435136	.7378 ns
hari	2.722225E-05	5	5.444449E-06	9.1372592062	.0000 ***
Interaction					
simp x pngw	1.241833E-06	3	4.139443E-07	0.6947105249	.5561 ns
simp x hari	3.203147E-07	5	6.406294E-08	0.107514951	.9906 ns
pngw x hari	4.810001E-05	15	3.206667E-06	5.3816550411	.0000 ***
simp x pngw x hari	2.557069E-06	15	1.704713E-07	0.2860968942	.9963 ns
Error	1.430044E-04	240	5.958515E-07		

Total	2.249058E-04	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant	ranges

-					
1	2	1,04619820429616	144	a	
2	1	1,04570808738934	144	a	

Factor: pngw

Rank	Trt#	Mean	n	Non-significant	ranges

-					
1	4	1,0461125328275	72	a	
2	3	1,04595664997769	72	a	
3	2	1,04585411851249	72	a	
4	1	1.0458712907	72	a	

Factor: hari

Rank	Trt#	Mean	n	Non-significant	ranges

--					
1	6	1,04656561659282	48	a	
2	5	1,04643667906314	48	ab	
3	4	1,0460300583748	48	b	
4	3	1,04570215719574	48	bc	
5	2	1,04549469630852	48	cd	
6	1	1,04548966752146	48	d	

Lampiran 3. Analisa Data Intensitas Warna Sari Buah Tomat

Variable: Warna

Source	SS	df	MS	F	P
Main Effects					
simp	0.0631723513	1	0.0631723513	19.839813462	.0000 ***
pngw	0.0092024396	3	0.0030674799	0.9633681039	.4107 ns
hari	0.3084488465	5	0.0616897693	19.37419601	.0000 ***
Interaction					
simp x pngw	2.60679E-04	3	8.689301E-05	0.0272894876	.9939 ns
simp x hari	0.0045114554	5	9.022911E-04	0.2833721783	.9219 ns
pngw x hari	0.6428274471	15	0.0428551631	13.459027973	.0000 ***
simp x pngw x hari	0.012760561	15	8.507041E-04	0.267170837	.9975 ns
Error	0.7641888533	240	0.0031841202		
Total	1.8053726332	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant	ranges
-					
1	2	0.246245138888889	144	a	
2	1	0.199403472222222	144	b	

Factor: pngw

Rank	Trt#	Mean	n	Non-significant	ranges
-					
1	k	0.239391666666667		a	
2	psnb	0.222986111111111		a	
3	nb	0.221611111111111		a	
4	ps	0.207308333333333		a	

Factor: hari

Rank	Trt#	Mean	n	Non-significant	ranges
-					
1	6	0,301214583333333	48	a	
2	5	0,266089583333333	48	b	
3	4	0,2324875	48	cb	
4	3	0,199989583333333	48	c	
5	2	0,182222916666667	48	cd	
6	1	0,154941666666667	48	d	

Lampiran 4. Analisa Data Nilai pH Sari Buah Tomat

Variable: pH

Source	SS	df	MS	F	P

Main Effects					
simp	0.0092253472	1	0.0092253472	42.159631869	.0000 ***
pngw	0.0033677083	3	0.0011225694	5.1301174274	.0019 **
hari	0.1285572917	5	0.0257114583	117.50079342	.0000 ***
Interaction					
simp x pngw	4.427083E-04	3	1.475694E-04	0.6743890826	.5685 ns
simp x hari	9.267361E-04	5	1.853472E-04	0.847032689	.5176 ns
pngw x hari	0.1266552083	15	0.0084436806	38.587432567	.0000 ***
simp x pngw x hari	0.0050302083	15	3.353472E-04	1.532529355	.0944 ns
Error	0.0525166667	240	2.188194E-04		

Total	0.326721875	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant ranges

-				
1	1	4,42034722222222	144	a
2	2	4,38951388888889	144	b

Factor: pngw

Rank	Trt#	Mean	n	Non-significant ranges

-				
1	1	4,41777777777778	72	a
2	3	4,40986111111111	72	ab
3	2	4,40277777777778	72	ab
4	4	4,38930555555556	72	b

Factor: hari

Rank	Trt#	Mean	n	Non-significant ranges

-				
1	1	4,43875	48	a
2	2	4,42645833333333	48	b
3	4	4,409375	48	c
4	3	4,39395833333333	48	cd
5	5	4,385	48	de
6	6	4,37604166666667	48	e

Lampiran 5. Analisa Data Kandungan Vitamin C Sari Buah Tomat

Variable: Vit-C

Source	SS	df	MS	F	P

Main Effects					
simp	17.6418	1	17.6418	45.753138075	.0000 ***
pngw	10.9545555556	3	3.3181851852	5.8251975825	.0011 **
hari	32.4522	5	6.49044	16.832635983	.0000 ***
Interaction					
simp x pngw	0.5243333333	3	0.1747777778	0.4532775453	.7152 ns
simp x hari	0.6372666667	5	0.1274533333	0.3305439331	.8942 ns
pngw x hari	104.28317778	15	6.9522118519	18.030218503	.0000 ***
simp x pngw x hari	3.2024666667	15	0.2134977778	0.5536959554	.9075 ns
Error	92.5408	240	0.3855866667		

Total	252.2366	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant ranges

-				
1	1	12,05111111111111	144	a
2	2	11,65388888888889	144	b

Factor: pngw

Rank	Trt#	Mean	n	Non-significant ranges

-				
1	1	12,06333333333333	72	a
2	2	11,88	72	ab
3	3	11,86777777777778	72	ab
4	4	11,59888888888889	72	b

Factor: hari

Rank	Trt#	Mean	n	Non-significant ranges

-				
1	1	12,79666666666667	48	a
2	2	12,39333333333333	48	b
3	3	12,28333333333333	48	b
4	4	11,55	48	bc
5	5	11,22	48	c
6	6	10,87166666666667	48	d

Lampiran 6. Analisa Data Kandungan Vitamin A Sari Buah Tomat

Variable: Vit-A

Source	SS	df	MS	F	P
Main Effects					
simp	4156.6424195	1	4156.6424195	9.8745733456	.0019 **
pngw	1075.8940889	3	2358.63136298	4.8519692916	.0067 **
hari	15139.929842	5	3027.9859684	7.1933225225	.0000 ***
Interaction					
simp x pngw	314.50657114	3	104.83552371	0.2490486223	.8620 ns
simp x hari	573.10490818	5	114.62098164	0.2722950824	.9280 ns
pngw x hari	45598.92243	15	3039.928162	7.2216925516	.0000 ***
simp x pngw x hari	2723.6782857	15	181.57855238	0.4313603511	.9688 ns
Error	101026.56042	240	420.94400174		
Total	170609.23896	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant ranges
-				
1	1	61,9978824074074	144	a
2	2	56,3569263888889	144	b

Factor: pngw

Rank	Trt#	Mean	n	Non-significant ranges
-				
1	3	63,0679175925926	72	a
2	1	61,2902805555555	72	a
3	2	61,2854027777778	72	a
4	4	51,0660166666667	72	b

Factor: hari

Rank	Trt#	Mean	n	Non-significant ranges
-				
1	1	83,3040069444444	48	a
2	2	70,1830152777778	48	b
3	4	58,7109388888889	48	c
4	5	53,3535111111111	48	cd
5	3	46,6435861111111	48	de
6	6	42,8693680555556	48	e

Lampiran 7. Analisa Data Kandungan Aktivitas Antioksidan Sari Buah Tomat

Variable: Antioks

Source	SS	df	MS	F	P
Main Effects					
simp	595.55968059	1	595.55968059	3.8063878455	.0187 *
pngw	472.89758663	3	457.632528877	2.3683455489	.0195 *
hari	3076.5255512	5	615.30511025	3.9325863877	.0019 **
Interaction					
simp x pngw	65.584971337	3	21.861657112	0.1397239414	.9361 ns
simp x hari	96.69301129	5	19.338602258	0.1235983949	.9870 ns
pngw x hari	12356.055738	15	823.73704918	5.2647329799	.0000 ***
simp x pngw x hari	426.35878117	15	28.423918744	0.1816651838	.9997 ns
Error	37551.171647	240	156.4632152		
Total	54340.846967	287			

Factor: simp

Rank	Trt#	Mean	n	Non-significant ranges
-				
1	1	29,0727873296692	144	a
2	2	25,9443319705716	144	b

Factor: pngw

Rank	Trt#	Mean	n	Non-significant ranges
-				
1	1	29,543443803577	72	a
2	2	27,9201965351471	72	ab
3	3	27,0205874281224	72	ab
4	4	25,550010833635	72	b

Factor: hari

Rank	Trt#	Mean	n	Non-significant ranges
-				
1	1	37,9957529333688	48	a
2	2	35,1414394675068	48	ab
3	3	27,763917578176	48	b
4	4	26,4271484172385	48	bc
5	5	20,5384164143565	48	cd
6	6	17,1846830900755	48	c

Lampiran 8. Tabel Hasil Pengamatan *Total Soluble Solid* Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potassium sorbat	Natrium benzoat	Campuran	Kontrol
Refrgerator	hari -1	11,00±0,00	11,00±0,00	11,00±0,00	11,00±0,00
	hari-3	11,07±0,10	11,07±0,10	11,00±0,00	11,07±0,10
	hari-7	11,10±0,11	11,07±0,10	11,00±0,00	11,07±0,10
	hari-14	11,00±0,00	10,97±0,08	11,03±0,08	11,03±0,08
	hari-21	11,00±0,22	11,00±0,00	11,03±0,08	10,90±0,11
	hari-28	10,97±0,08	11,00±0,00	11,00±0,00	10,97±0,08
Ruang	hari -1	11,00±0,00	11,00±0,00	11,00±0,00	11,00±0,00
	hari-3	11,07±0,10	10,97±0,08	11,00±0,00	10,93±0,10
	hari-7	11,03±0,08	11,00±0,00	11,00±0,00	10,97±0,08
	hari-14	10,97±0,08	11,00±0,00	11,03±0,08	11,03±0,08
	hari-21	10,90±0,11	11,03±0,15	11,00±0,13	10,93±0,10
	hari-28	11,00±0,00	10,97±0,08	10,93±0,10	10,87±0,10

Lampiran 9. Tabel Hasil Pengamatan Densitas Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potassium sorbat	Natrium benzoat	Campuran	Kontrol
Refrgerator	hari -1	1,0453±0,0004	1,0451±0,0005	1,0453±0,0007	1,0456±0,0005
	hari-3	1,0455±0,0009	1,0454±0,0005	1,0453±0,0003	1,0454±0,0007
	hari-7	1,0456±0,0011	1,0453±0,0006	1,0456±0,0008	1,0457±0,0007
	hari-14	1,0457±0,0011	1,0456±0,0010	1,0460±0,0009	1,0458±0,0010
	hari-21	1,0459±0,0008	1,0460±0,0004	1,0462±0,0008	1,0459±0,0005
	hari-28	1,0461±0,0006	1,0461±0,0008	1,0461±0,0004	1,0464±0,0012
Ruang	hari -1	1,0456±0,0008	1,0454±0,0004	1,0456±0,0007	1,0460±0,0007
	hari-3	1,0455±0,0008	1,0455±0,0008	1,0458±0,0008	1,0456±0,0003
	hari-7	1,0456±0,0010	1,0459±0,0007	1,0458±0,0009	1,0461±0,0011
	hari-14	1,0461±0,0011	1,0461±0,0007	1,0463±0,0010	1,0466±0,0010
	hari-21	1,0468±0,0003	1,0469±0,0012	1,0466±0,0004	1,0470±0,0002
	hari-28	1,0470±0,0001	1,0469±0,00012	1,0467±0,0005	1,0472±0,0007

Lampiran 10. Tabel Hasil Pengamatan Intensitas Warna Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potassium sorbat	Natrium benzoat	Campuran	Kontrol
Refrigerator	hari -1	0,15±0,01	0,15±0,01	0,16±0,01	0,15±0,01
	hari-3	0,17±0,01	0,17±0,01	0,16±0,01	0,18±0,02
	hari-7	0,17±0,01	0,18±0,03	0,19±0,03	0,19±0,04
	hari-14	0,18±0,03	0,23±0,07	0,22±0,06	0,24±0,07
	hari-21	0,19±0,04	0,21±0,01	0,24±0,09	0,25±0,08
	hari-28	0,25±0,10	0,25±0,09	0,24±0,09	0,27±0,13
Ruang	hari -1	0,16±0,01	0,15±0,01	0,16±0,01	0,16±0,01
	hari-3	0,17±0,02	0,18±0,01	0,21±0,05	0,20±0,04
	hari-7	0,21±0,03	0,21±0,03	0,22±0,04	0,23±0,04
	hari-14	0,24±0,09	0,26±0,04	0,23±0,03	0,26±0,02
	hari-21	0,28±0,05	0,32±0,06	0,30±0,05	0,35±0,01
	hari-28	0,31±0,05	0,36±0,17	0,34±0,13	0,39±0,01

Lampiran 11. Tabel Hasil Pengamatan Nilai pH Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potassium sorbat	Natrium benzoat	Campuran	Kontrol
Refrigerator	hari -1	4,46±0,04	4,44±0,01	4,45±0,01	4,42±0,02
	hari-3	4,45±0,02	4,44±0,01	4,44±0,02	4,41±0,01
	hari-7	4,44±0,06	4,43±0,01	4,42±0,01	4,41±0,02
	hari-14	4,42±0,02	4,42±0,01	4,43±0,01	4,40±0,01
	hari-21	4,42±0,02	4,41±0,01	4,41±0,01	4,39±0,01
	hari-28	4,41±0,02	4,40±0,01	4,40±0,01	4,39±0,01
Ruang	hari -1	4,44±0,01	4,44±0,01	4,45±0,01	4,41±0,01
	hari-3	4,43±0,02	4,41±0,01	4,42±0,02	4,41±0,01
	hari-7	4,41±0,01	4,39±0,01	4,40±0,01	4,38±0,01
	hari-14	4,39±0,01	4,37±0,01	4,37±0,02	4,36±0,01
	hari-21	4,38±0,01	4,36±0,01	4,36±0,01	4,35±0,01
	hari-28	4,37±0,02	4,35±0,01	4,36±0,01	4,34±0,02

Lampiran 12. Tabel Hasil Pengamatan Kandungan Vitamin C Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potasium sorbat	Natrium benzoat	Campuran	Kontrol
Refrgerator	hari -1	13,20±0,79	12,91±0,45	13,05±0,66	12,91±0,45
	hari-3	12,61±0,45	12,61±0,45	12,61±0,72	12,47±0,87
	hari-7	12,76±0,48	12,76±0,48	12,47±0,66	12,03±0,72
	hari-14	12,17±0,36	11,73±0,91	11,59±0,66	11,44±0,56
	hari-21	11,44±0,79	11,44±0,79	11,44±0,79	11,29±0,87
	hari-28	11,29±0,66	11,00±0,48	11,15±0,72	10,85±0,45
Ruang	hari -1	12,91±0,72	12,91±0,91	12,32±0,00	12,17±0,36
	hari-3	12,32±0,79	12,17±0,87	12,32±0,79	12,03±0,72
	hari-7	12,32±0,56	11,88±0,48	12,17±0,36	11,88±0,48
	hari-14	11,59±0,36	11,29±0,36	11,29±0,36	11,29±0,36
	hari-21	11,29±0,66	11,15±0,45	11,15±0,45	10,56±0,56
	hari-28	10,85±0,45	10,71±0,66	10,85±0,72	10,27±0,72

Lampiran 13. Tabel Hasil Pengamatan Kandungan Vitamin A Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potasium sorbat	Natrium benzoat	Campuran	Kontrol
Refrgerator	hari -1	98,10±7,77	96,04±10,64	90,70±18,97	81,28±8,91
	hari-3	72,72±17,62	79,94±4,13	82,94±18,03	60,14±15,64
	hari-7	61,23±7,03	54,36±14,98	66,18±18,48	53,62±12,25
	hari-14	52,79±23,98	57,12±13,64	51,66±21,96	52,62±16,55
	hari-21	49,10±1,16	50,94±12,60	52,99±23,25	41,30±10,04
	hari-28	50,38±23,22	48,57±10,15	47,84±15,89	35,38±10,15
Ruang	hari -1	82,52±13,81	78,53±20,71	78,92±11,90	60,35±15,86
	hari-3	66,53±11,18	68,83±6,61	68,94±19,98	61,42±17,18
	hari-7	53,66±10,55	57,86±13,34	71,07±12,95	51,70±17,44
	hari-14	54,92±17,00	55,84±22,17	57,14±20,15	44,73±13,92
	hari-21	47,95±20,20	47,40±21,50	46,68±8,68	36,79±3,00
	hari-28	45,58±9,23	39,99±17,70	41,75±18,47	33,47±6,25

Lampiran 14. Tabel Hasil Pengamatan Aktivitas Antioksidan Sari Buah Tomat

Suhu penyimpanan	Hari penyimpanan	Jenis pengawet			
		Potasium sorbit	Natrium benzoat	Campuran	Kontrol
Refrgerator	hari -1	41,76±3,58	37,74±4,85	42,02±9,95	36,29±5,59
	hari-3	37,51±5,15	36,73±3,24	37,31±3,52	36,61±4,26
	hari-7	31,24±15,69	30,70±12,33	28,03±7,85 ^b	25,41±7,74
	hari-14	31,11±9,71	26,91±9,91	28,72±8,30	27,73±9,57
	hari-21	24,54±1,25	22,48±2,25	20,69±2,05	19,62±4,62
	hari-28	20,37±2,30	18,68±3,66	19,20±5,21	16,36±0,85
Ruang	hari -1	40,87±9,91	36,31±7,54	35,19±1,86	33,78±1,46
	hari-3	32,10±2,53	35,82±3,71 ^b	31,09±2,27	33,98±2,53
	hari-7	29,84±14,15	28,60±7,72 ^b	23,32±5,76	24,97±6,27
	hari-14	26,55±12,70	24,95±9,92	25,77±3,72	19,68±5,50
	hari-21	20,65±6,41	20,87±1,50	17,88±1,83	17,58±4,81
	hari-28	17,97±3,22	15,25±0,67	15,04±1,10	14,61±0,69