

LAMPIRAN

Lampiran 1. Data Hasil Penelitian

Lampiran 1a. Data Pengamatan Susut Bobot

Perlakuan	Susut Bobot (%)				
	H-2	H-4	H-6	H-8	H-10
P0S1	0.458	2.685	4.511	7.057	8.176
P1S1	0.632	1.603	3.481	6.496	7.900
P2S1	0.557	1.598	2.488	4.598	6.247
P0S2	0.460	0.763	1.600	3.579	4.659
P1S2	0.527	1.486	2.629	4.276	6.047
P2S2	0.135	0.381	1.066	2.754	3.519

Lampiran 1b. Data Pengamatan Nilai Laju Respirasi

Perlakuan	Nilai Laju Respirasi					
	H-0	H-2	H-4	H-6	H-8	H-10
P0S1	3.173	2.845	2.076	0.797	1.091	1.108
P1S1	2.816	2.417	0.827	0.305	0.756	1.061
P2S1	2.845	2.481	0.827	0.451	0.956	1.208
P0S2	2.692	2.334	1.020	0.199	1.014	0.932
P1S2	2.681	2.340	0.762	0.123	0.657	1.003
P2S2	2.751	2.264	0.5984	0.088	0.398	0.780

Lampiran 1c. Hasil Pengamatan Nilai Kekerasan

Perlakuan	Nilai Kekerasan					
	H-0	H-2	H-4	H-6	H-8	H-10
P0S1	5.466	6.266	8.55	13.516	16.816	19.133
P1S1	5.183	6.1	7.85	11.966	15.366	17.283
P2S1	5.166	5.983	7.183	10.266	13.533	15.8
P0S2	4.983	5.783	6.533	8.55	11.65	14.2
P1S2	4.966	5.9	6.616	8.95	12.1	14.95
P2S2	5.35	5.8	6.75	9.35	12.716	15.483

Lampiran 1d. Hasil Pengamatan Nilai Kecerahan L

Perlakuan	Nilai Kecerahan L					
	H-0	H-2	H-4	H-6	H-8	H-10
P0S1	51.8	46.033	40.033	34.333	30.016	23.666
P1S1	52.4	49.033	41.183	37.783	31.8	26.05
P2S1	52.933	52.333	51.266	49.7	46.416	43.95
P0S2	53.75	50.75	50.516	49.233	44.283	42.05
P1S2	53.4	47.866	47.183	45.2	36	30.783
P2S2	52.666	50.366	47.583	45.783	37.133	33.633

Lampiran 1e. Hasil Pengamatan Kadar Vitamin C

Perlakuan	Kadar Vitamin C (%)		
	H-0	H-5	H-10
P0S1	4.383	2.493	1.413
P1S1	4.193	2.95	1.843
P2S1	4.35	3.093	1.943
P0S2	4.29	2.44	1.756
P1S2	4.326	3.143	2.31
P2S2	4.186	3.186	2.486

Keterangan:

P0S1 : Tanpa pelapisan, penyimpanan suhu ruang

P1S1 : Pelapisan EC pati singkong, penyimpanan suhu ruang

P2S1 : Pelapisan EC pati ganyong, penyimpanan suhu ruang

P0S2 : Tanpa pelapisan, penyimpanan suhu dingin

P1S2 : Pelapisan EC pati singkong, penyimpanan suhu dingin

P2S2 : Pelapisan EC pati ganyong, penyimpanan suhu ruang

Lampiran 2. Hasil Anova *Two Way* Susut Bobot

Lampiran 2a. Hasil Anova H-2

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	10.775 ^a	5	2.155	1.856	.176
Intercept	248.832	1	248.832	214.255	.000
suhu	2.738	1	2.738	2.358	.151
pati	3.834	2	1.917	1.651	.233
suhu * pati	4.203	2	2.102	1.810	.206
Error	13.937	12	1.161		
Total	273.544	18			
Corrected Total	24.712	17			

a. R Squared = .436 (Adjusted R Squared = .201)

Lampiran 2b. Hasil Anova H-4

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	62.173 ^a	5	12.435	5.598	.007
Intercept	755.777	1	755.777	340.248	.000
suhu	33.792	1	33.792	15.213	.002
pati	14.625	2	7.312	3.292	.072
suhu * pati	13.756	2	6.878	3.097	.082
Error	26.655	12	2.221		
Total	844.605	18			
Corrected Total	88.828	17			

a. R Squared = .700 (Adjusted R Squared = .575)

Lampiran 2c. Hasil Anova H-6

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	23.366 ^a	5	4.673	5.917	.006
Intercept	124.484	1	124.484	157.627	.000
suhu	13.442	1	13.442	17.021	.001
pati	6.533	2	3.267	4.136	.043
suhu * pati	3.391	2	1.696	2.147	.160
Error	9.477	12	.790		
Total	157.327	18			
Corrected Total	32.843	17			

a. R Squared = .711 (Adjusted R Squared = .591)

Lampiran 2d. Hasil Anova H-8

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	41.887 ^a	5	8.377	3.341	.040
Intercept	413.649	1	413.649	164.965	.000
suhu	28.437	1	28.437	11.341	.006
pati	11.251	2	5.625	2.243	.149
suhu * pati	2.200	2	1.100	.439	.655
Error	30.090	12	2.507		
Total	485.627	18			
Corrected Total	71.977	17			

a. R Squared = .582 (Adjusted R Squared = .408)

Lampiran 2e. Hasil Anova H-10

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	48.943 ^a	5	9.789	4.400	.017
Intercept	667.960	1	667.960	300.248	.000
suhu	32.799	1	32.799	14.743	.002
pati	14.067	2	7.033	3.161	.079
suhu * pati	2.077	2	1.039	.467	.638
Error	26.696	12	2.225		
Total	743.599	18			
Corrected Total	75.639	17			

a. R Squared = .647 (Adjusted R Squared = .500)

Lampiran 3. Hasil Anova Laju Respirasi

Lampiran 3a. Hasil Anova H-2

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.053 ^a	5	.011	32.489	.000
Intercept	52.996	1	52.996	1.614E5	.000
suhu	.027	1	.027	81.785	.000
pati	.015	2	.007	22.472	.000
suhu * pati	.012	2	.006	17.857	.000
Error	.004	12	.000		
Total	53.053	18			
Corrected Total	.057	17			

a. R Squared = .931 (Adjusted R Squared = .903)

Lampiran 3b. Hasil Anova H-4

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.590 ^a	5	.118	120.300	.000
Intercept	26.738	1	26.738	2.726E4	.000
suhu	.127	1	.127	129.693	.000
pati	.365	2	.182	185.929	.000
suhu * pati	.098	2	.049	49.973	.000
Error	.012	12	.001		
Total	27.339	18			
Corrected Total	.602	17			

a. R Squared = .980 (Adjusted R Squared = .972)

Lampiran 3c. Hasil Anova H-6

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.293 ^a	5	.059	30.646	.000
Intercept	14.580	1	14.580	7.626E3	.000
suhu	.193	1	.193	101.192	.000
pati	.071	2	.036	18.631	.000
suhu * pati	.028	2	.014	7.389	.008
Error	.023	12	.002		
Total	14.896	18			
Corrected Total	.316	17			

a. R Squared = .927 (Adjusted R Squared = .897)

Lampiran 3d. Hasil Anova H-8

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.207 ^a	5	.041	80.698	.000
Intercept	23.413	1	23.413	4.574E4	.000
suhu	.056	1	.056	109.640	.000
pati	.102	2	.051	99.179	.000
suhu * pati	.049	2	.024	47.746	.000
Error	.006	12	.001		
Total	23.626	18			
Corrected Total	.213	17			

a. R Squared = .971 (Adjusted R Squared = .959)

Lampiran 3e. Hasil Anova H-10

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.056 ^a	5	.011	19.326	.000
Intercept	27.223	1	27.223	4.699E4	.000
suhu	.037	1	.037	63.526	.000
pati	.001	2	.001	.937	.419
suhu * pati	.018	2	.009	15.615	.000
Error	.007	12	.001		
Total	27.286	18			
Corrected Total	.063	17			

a. R Squared = .890 (Adjusted R Squared = .844)

Lampiran 4. Hasil Anova Kelunakan Tekstur

Lampiran 4a. Hasil Anova H-2

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.096 ^a	5	.019	12.315	.000
Intercept	110.336	1	110.336	7.102E4	.000
suhu	.067	1	.067	43.213	.000
pati	.011	2	.005	3.507	.063
suhu * pati	.018	2	.009	5.675	.018
Error	.019	12	.002		
Total	110.450	18			
Corrected Total	.114	17			

a. R Squared = .837 (Adjusted R Squared = .769)

Lampiran 4b. Hasil Anova H-4

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.503 ^a	5	.101	381.027	.000
Intercept	127.593	1	127.593	4.828E5	.000
suhu	.272	1	.272	1.029E3	.000
pati	.096	2	.048	180.853	.000
suhu * pati	.136	2	.068	257.440	.000
Error	.003	12	.000		
Total	128.100	18			
Corrected Total	.507	17			

a. R Squared = .994 (Adjusted R Squared = .991)

Lampiran 4c. Hasil Anova H-6

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2.710 ^a	5	.542	1.251E3	.000
Intercept	161.985	1	161.985	3.740E5	.000
suhu	1.821	1	1.821	4.203E3	.000
pati	.460	2	.230	531.106	.000
suhu * pati	.429	2	.215	495.551	.000
Error	.005	12	.000		
Total	164.700	18			
Corrected Total	2.715	17			

a. R Squared = .998 (Adjusted R Squared = .997)

Lampiran 4d. Hasil Anova H-8

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3.325 ^a	5	.665	384.326	.000
Intercept	210.504	1	210.504	1.217E5	.000
suhu	2.559	1	2.559	1.479E3	.000
pati	.459	2	.229	132.605	.000
suhu * pati	.307	2	.154	88.840	.000
Error	.021	12	.002		
Total	213.850	18			
Corrected Total	3.346	17			

a. R Squared = .994 (Adjusted R Squared = .991)

Lampiran 4e. Hasil Anova H-10

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.171 ^a	5	.834	69.755	.000
Intercept	242.236	1	242.236	2.026E4	.000
suhu	3.491	1	3.491	291.948	.000
pati	.268	2	.134	11.206	.002
suhu * pati	.412	2	.206	17.207	.000
Error	.143	12	.012		
Total	246.550	18			
Corrected Total	4.314	17			

a. R Squared = .967 (Adjusted R Squared = .953)

Lampiran 5. Hasil Anova Perubahan Warna

Lampiran 5a. Hasil Anova Nilai L*

Penyimpanan H-2

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	75.544 ^a	5	15.109	4.481	.016
Intercept	43921.540	1	43921.540	1.303E4	.000
suhu	15.217	1	15.217	4.513	.055
pati	34.330	2	17.165	5.091	.025
suhu * pati	25.997	2	12.998	3.855	.051
Error	40.463	12	3.372		
Total	44037.548	18			
Corrected Total	116.007	17			

a. R Squared = .651 (Adjusted R Squared = .506)

Penyimpanan H-4

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	330.979 ^a	5	66.196	24.646	.000
Intercept	38577.161	1	38577.161	1.436E4	.000
suhu	203.347	1	203.347	75.711	.000
pati	91.779	2	45.889	17.086	.000
suhu * pati	35.854	2	17.927	6.675	.011
Error	32.230	12	2.686		
Total	38940.370	18			
Corrected Total	363.209	17			

a. R Squared = .911 (Adjusted R Squared = .874)

Penyimpanan H-6

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	587.834 ^a	5	117.567	32.615	.000
Intercept	34330.734	1	34330.734	9.524E3	.000
suhu	344.094	1	344.094	95.456	.000
pati	149.299	2	74.649	20.709	.000
suhu * pati	94.442	2	47.221	13.100	.001
Error	43.257	12	3.605		
Total	34961.825	18			
Corrected Total	631.091	17			

a. R Squared = .931 (Adjusted R Squared = .903)

Penyimpanan H-8

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	648.975 ^a	5	129.795	18.251	.000
Intercept	25458.961	1	25458.961	3.580E3	.000
suhu	385.031	1	385.031	54.140	.000
pati	187.938	2	93.969	13.213	.001
suhu * pati	76.006	2	38.003	5.344	.022
Error	85.342	12	7.112		
Total	26193.278	18			
Corrected Total	734.316	17			

a. R Squared = .884 (Adjusted R Squared = .835)

Penyimpanan H-10

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1025.324 ^a	5	205.065	18.757	.000
Intercept	20026.676	1	20026.676	1.832E3	.000
suhu	558.894	1	558.894	51.122	.000
pati	325.147	2	162.573	14.871	.001
suhu * pati	141.284	2	70.642	6.462	.012
Error	131.190	12	10.932		
Total	21183.190	18			
Corrected Total	1156.514	17			

a. R Squared = .887 (Adjusted R Squared = .839)

Lampiran 5b. Hasil Anova Nilai a*
Penyimpanan H-2

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	27.178 ^a	5	5.436	5.598	.007
Intercept	19064.536	1	19064.536	1.963E4	.000
suhu	9.389	1	9.389	9.670	.009
pati	2.709	2	1.354	1.395	.285
suhu * pati	15.080	2	7.540	7.766	.007
Error	11.652	12	.971		
Total	19103.365	18			
Corrected Total	38.829	17			

a. R Squared = .700 (Adjusted R Squared = .575)

Penyimpanan H-4

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	109.738 ^a	5	21.948	15.231	.000
Intercept	24251.361	1	24251.361	1.683E4	.000
suhu	60.867	1	60.867	42.240	.000
pati	38.879	2	19.439	13.490	.001
suhu * pati	9.992	2	4.996	3.467	.065
Error	17.292	12	1.441		
Total	24378.390	18			
Corrected Total	127.029	17			

a. R Squared = .864 (Adjusted R Squared = .807)

Penyimpanan H-6

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	109.738 ^a	5	21.948	15.231	.000
Intercept	24251.361	1	24251.361	1.683E4	.000
suhu	60.867	1	60.867	42.240	.000
pati	38.879	2	19.439	13.490	.001
suhu * pati	9.992	2	4.996	3.467	.065
Error	17.292	12	1.441		
Total	24378.390	18			
Corrected Total	127.029	17			

a. R Squared = .864 (Adjusted R Squared = .807)

Penyimpanan H-8

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	353.260 ^a	5	70.652	27.883	.000
Intercept	34272.238	1	34272.238	1.353E4	.000
suhu	233.496	1	233.496	92.148	.000
pati	60.994	2	30.497	12.036	.001
suhu * pati	58.769	2	29.385	11.597	.002
Error	30.407	12	2.534		
Total	34655.905	18			
Corrected Total	383.667	17			

Penyimpanan H-10

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	540.549 ^a	5	108.110	24.530	.000
Intercept	47022.222	1	47022.222	1.067E4	.000
suhu	321.734	1	321.734	73.002	.000
pati	115.160	2	57.580	13.065	.001
suhu * pati	103.655	2	51.828	11.760	.001
Error	52.886	12	4.407		
Total	47615.658	18			
Corrected Total	593.436	17			

Lampiran 5c. Hasil Anova Nilai b*

Penyimpanan H-2

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	10.198 ^a	5	2.040	2.413	.098
Intercept	14723.280	1	14723.280	1.742E4	.000
suhu	6.845	1	6.845	8.099	.015
pati	1.023	2	.511	.605	.562
suhu * pati	2.331	2	1.165	1.379	.289
Error	10.142	12	.845		
Total	14743.620	18			
Corrected Total	20.340	17			

a. R Squared = .501 (Adjusted R Squared = .294)

Penyimpanan H-4

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	38.346 ^a	5	7.669	19.355	.000
Intercept	12824.011	1	12824.011	3.236E4	.000
suhu	26.523	1	26.523	66.936	.000
pati	11.438	2	5.719	14.432	.001
suhu * pati	.385	2	.193	.486	.627
Error	4.755	12	.396		
Total	12867.113	18			
Corrected Total	43.101	17			

a. R Squared = .890 (Adjusted R Squared = .844)

Penyimpanan H-6

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	103.721 ^a	5	20.744	25.384	.000
Intercept	10322.450	1	10322.450	1.263E4	.000
suhu	57.067	1	57.067	69.830	.000
pati	43.075	2	21.538	26.355	.000
suhu * pati	3.579	2	1.789	2.189	.155
Error	9.807	12	.817		
Total	10435.978	18			
Corrected Total	113.527	17			

a. R Squared = .914 (Adjusted R Squared = .878)

Penyimpanan H-8

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	178.844 ^a	5	35.769	23.277	.000
Intercept	7933.801	1	7933.801	5.163E3	.000
suhu	95.681	1	95.681	62.265	.000
pati	76.302	2	38.151	24.827	.000
suhu * pati	6.862	2	3.431	2.233	.150
Error	18.440	12	1.537		
Total	8131.085	18			
Corrected Total	197.284	17			

a. R Squared = .907 (Adjusted R Squared = .868)

Penyimpanan H-10

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	251.403 ^a	5	50.281	19.554	.000
Intercept	5940.500	1	5940.500	2.310E3	.000
suhu	160.802	1	160.802	62.535	.000
pati	81.201	2	40.600	15.789	.000
suhu * pati	9.400	2	4.700	1.828	.203
Error	30.857	12	2.571		
Total	6222.760	18			
Corrected Total	282.260	17			

a. R Squared = .891 (Adjusted R Squared = .845)

Lampiran 5d. Hasil Rerata Uji Lanjut Duncan Nilai L*

Perlakuan	Lama Penyimpanan				
	H-2	H-4	H-6	H-8	H-10
P0s1	1.66 a	1.60 a	1.53 a	1.47 a	1.37 a
P1s1	1.68 abc	1.61 a	1.57 b	1.49 ab	1.40 ab
P2s1	1.71 c	1.70 c	1.69 d	1.66 d	1.64 d
P0s2	1.70 bc	1.67 b	1.66 cd	1.56 c	1.52 c
P1s2	1.68 ab	1.67 b	1.65 c	1.55 bc	1.48 bc
P2s2	1.70 bc	1.70 bc	1.69 cd	1.64 d	1.62 d

Lampiran 5e. Hasil Rerata Uji Lanjut Duncan Nilai a*

Perlakuan	Lama Penyimpanan				
	H-2	H-4	H-6	H-8	H-10
P0s1	33 bc	35.36 c	39.16bd	47.90c	56.36 c
P1s1	32.08 b	33.4 b	36.56b	48.86c	51.66 b
P2s1	34.41 c	36.00 c	39.90d	44.95b	57.98c
P0s2	32.23bc	33.86b	37.31bc	44.46 b	52.66 b
P1s2	32.08ab	31.15 a	32.88 a	38.85 a	45.11 a
P2s2	30.38 a	31.18a	34.4 a	36.78 a	42.93 a

- Ket: P0S1 : Tanpa pelapisan, penyimpanan suhu ruang
P1S1 : Pelapisan EC pati singkong, penyimpanan suhu ruang
P2S1 : Pelapisan EC pati ganyong, penyimpanan suhu ruang
P0S2 : Tanpa pelapisan, penyimpanan suhu dingin
P1S2 : Pelapisan EC pati singkong, penyimpanan suhu dingin
P2S2 : Pelapisan EC pati ganyong, penyimpanan suhu ruang

Lampiran 6. Gambar Buah Tomat (*Lycopersicon esculentum* Mill.)



P0S1



P1S1



P2S1



P0S2



P1S2



P2S2

Lampiran 6a. Gambar Penyimpanan H-2



P0S1



P1S1



P2S1



P0S2



P1S2



P2S2

Lampiran 6b. Gambar Penyimpanan H-4



P0S1



P1S1



P2S1



P0S2



P1S2



P2S2

Lampiran 6c. Gambar Penyimpanan H-6



P0S1



P1S1



P2S1



P0S2



P1S2



P2S2

Lampiran 6d. Gambar Penyimpanan H-8



P0S1



P1S1



P2S2



P0S2



P1S2



P2S2

Lampiran 6e. Gambar Penyimpanan H-10