

7. LAMPIRAN

Lampiran 1. SNI Sari Buah Apel

Spesifikasi Persyaratan Mutu Sari Buah Apel (SNI 01-4867.3-1998)

No	Jenis Uji	Satuan	Persyaratan
1.	Keadaan	-	
1.1	Warna	-	Normal
1.2	Bau	-	Normal, khas apel
1.3	Rasa	-	Normal, khas apel
2.	pH	-	Maks. 4
3.	Padatan Terlarut	b/b,%	Min. 10
4.	Etanol	b/b,%	Maks. 0,5
5.	Asam yang mudah menguap (sebagai asam asetat)	b/v,%	Maks. 0,04
6.	Sulfur Dioksida (SO ₂)	mg/kg	Maks. 10
7.	Abu yang tidak larut dalam asam	mg/kg	Maks. 20
8.	Bahan tambahan makanan	-	
8.1	Pengawet	-	Sesuai SNI 01-0222-1995
8.2	Pewarna makanan	-	Sesuai SNI 01-0222-1995
9.	Cemaran logam	-	
9.1	Timbal (Pb)	mg/kg	Maks. 0,3
9.2	Tembaga (Cu)	mg/kg	Maks. 5
9.3	Seng (Zn)	mg/kg	Maks. 5
9.4	Timah (Sn)	mg/kg	Maks. 40/250**
9.5	Besi (Fe)	mg/kg	Maks. 10
10.	Cemaran Arsen	mg/kg	Maks. 0,2
11.	Cemaran mikroba		
11.1	Angka Lempeng Total	koloni/ml	Maks. 2.10 ²
11.2	Bakteri bentuk coli	APM/ml	Maks. 20
11.3	Escherichia coli	APM/ml	< 3
11.4	Kapang	koloni/ml	Maks. 50
11.5	Khamir	koloni/ml	Maks. 50

Ket : ** = untuk yang dikemas dalam kaleng

SNI yang digunakan adalah SNI sari buah apel karena SNI sari buah jambu biji tidak tersedia.

Lampiran 2. Analisa Normalitas Sari Buah Jambu Biji Merah

NPar Tests - N1

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,1083	12,7600	,4000	,706967	11,625000
	Std. Deviation	,00983	,48200	,00000	,0562851	,4413049
Most Extreme Differences	Absolute	,302	,319	,500	,302	,302
	Positive	,302	,319	,500	,302	,302
	Negative	-,216	-,319	-,500	-,291	-,233
Kolmogorov-Smirnov Z		,739	,782	1,225	,741	,740
Asymp. Sig. (2-tailed)		,646	,573	,100	,643	,643

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N2

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,9800	10,5600	,4100	,975583	11,762283
	Std. Deviation	,07376	1,36329	,00000	,0089464	,1362005
Most Extreme Differences	Absolute	,175	,241	,500	,256	,184
	Positive	,175	,241	,500	,207	,184
	Negative	-,171	-,241	-,500	-,256	-,171
Kolmogorov-Smirnov Z		,430	,590	1,225	,628	,450
Asymp. Sig. (2-tailed)		,933	,878	,100	,825	,987

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N3

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,9150	9,5333	,4183	,996950	11,110367
	Std. Deviation	,01761	,86521	,00408	,0043191	1,1459730
Most Extreme Differences	Absolute	,303	,302	,492	,319	,348
	Positive	,303	,302	,342	,255	,206
	Negative	-,197	-,216	-,492	-,319	-,348
Kolmogorov-Smirnov Z		,742	,739	1,205	,783	,852
Asymp. Sig. (2-tailed)		,641	,646	,110	,573	,462

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N4

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8483	8,6533	,4417	1,039367	11,933667
	Std. Deviation	,07548	1,16966	,01329	,0032054	,1866086
Most Extreme Differences	Absolute	,376	,310	,401	,237	,262
	Positive	,247	,235	,265	,237	,186
	Negative	-,376	-,310	-,401	-,217	-,262
Kolmogorov-Smirnov Z		,922	,759	,983	,580	,641
Asymp. Sig. (2-tailed)		,364	,612	,289	,889	,806

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N5

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8133	7,9200	,4250	1,066967	12,152167
	Std. Deviation	,09158	,96399	,02168	,0140762	,3495516
Most Extreme Differences	Absolute	,267	,319	,255	,379	,444
	Positive	,225	,319	,255	,379	,286
	Negative	-,267	-,319	-,209	-,242	-,444
Kolmogorov-Smirnov Z		,653	,782	,626	,927	1,086
Asymp. Sig. (2-tailed)		,787	,573	,828	,356	,189

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N6

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7817	6,4533	,4283	1,130433	12,047350
	Std. Deviation	,08612	,71852	,00753	,0111141	,2108812
Most Extreme Differences	Absolute	,297	,293	,254	,356	,218
	Positive	,297	,207	,246	,356	,178
	Negative	-,286	-,293	-,254	-,286	-,218
Kolmogorov-Smirnov Z		,728	,717	,623	,872	,534
Asymp. Sig. (2-tailed)		,664	,682	,833	,432	,938

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N7

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,1083	12,7600	,4000	,706967	11,625000
	Std. Deviation	,00983	,48200	,00000	,0562851	,4413049
Most Extreme Differences	Absolute	,302	,319	,500	,302	,302
	Positive	,302	,319	,500	,302	,302
	Negative	-,216	-,319	-,500	-,291	-,233
Kolmogorov-Smirnov Z		,739	,782	1,225	,741	,740
Asymp. Sig. (2-tailed)		,646	,573	,100	,643	,643

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N8

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0750	11,4400	,4450	,906583	11,377850
	Std. Deviation	,01871	1,11312	,01643	,0018894	,3947549
Most Extreme Differences	Absolute	,122	,285	,319	,223	,259
	Positive	,122	,285	,319	,209	,259
	Negative	-,122	-,215	-,319	-,223	-,255
Kolmogorov-Smirnov Z		,299	,699	,782	,546	,635
Asymp. Sig. (2-tailed)		1,000	,713	,573	,927	,815

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N9

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0400	10,5600	,4450	,968483	11,324183
	Std. Deviation	,01414	,96399	,02168	,0116460	1,2474129
Most Extreme Differences	Absolute	,167	,319	,255	,182	,300
	Positive	,167	,319	,255	,182	,194
	Negative	-,167	-,319	-,209	-,132	-,300
Kolmogorov-Smirnov Z		,408	,782	,626	,445	,735
Asymp. Sig. (2-tailed)		,996	,573	,828	,989	,652

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N10

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8283	9,6800	,4583	,997183	12,106533
	Std. Deviation	,05492	,96399	,01329	,0022058	,0762690
Most Extreme Differences	Absolute	,197	,319	,310	,294	,216
	Positive	,197	,319	,235	,213	,127
	Negative	-,144	-,319	-,310	-,294	-,216
Kolmogorov-Smirnov Z		,483	,782	,759	,720	,528
Asymp. Sig. (2-tailed)		,974	,573	,612	,677	,943

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N11

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7983	9,0933	,4767	1,004900	11,527183
	Std. Deviation	,04622	1,32488	,00816	,0000000 ^c	,8309519
Most Extreme Differences	Absolute	,297	,312	,293		,318
	Positive	,297	,312	,293		,225
	Negative	-,253	-,199	-,207		-,318
Kolmogorov-Smirnov Z		,726	,764	,717		,779
Asymp. Sig. (2-tailed)		,667	,603	,682		,579

a. Test distribution is Normal.

b. Calculated from data.

c. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

NPar Tests - N12

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7817	8,2133	,4783	1,042883	12,196500
	Std. Deviation	,04579	1,06573	,00983	,0066355	,2500062
Most Extreme Differences	Absolute	,319	,209	,302	,231	,161
	Positive	,319	,198	,302	,231	,115
	Negative	-,299	-,209	-,216	-,153	-,161
Kolmogorov-Smirnov Z		,780	,512	,739	,565	,393
Asymp. Sig. (2-tailed)		,576	,956	,646	,906	,998

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N13

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0967	11,2933	,4500	,989400	11,875000
	Std. Deviation	,00516	,35926	,00000 ^c	,2690531	,3221025
Most Extreme Differences	Absolute	,407	,492		,316	,258
	Positive	,259	,342		,316	,258
	Negative	-,407	-,492		-,305	-,211
Kolmogorov-Smirnov Z		,998	1,205		,774	,631
Asymp. Sig. (2-tailed)		,272	,110		,587	,821

a. Test distribution is Normal.

b. Calculated from data.

c. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

NPar Tests - N14

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8733	9,2400	,4500	2,124133	11,789800
	Std. Deviation	,04412	,48200	,00000 ^c	,0054997	,3675328
Most Extreme Differences	Absolute	,202	,319		,265	,261
	Positive	,202	,319		,235	,199
	Negative	-,163	-,319		-,265	-,261
Kolmogorov-Smirnov Z		,494	,782		,648	,638
Asymp. Sig. (2-tailed)		,968	,573		,795	,810

a. Test distribution is Normal.

b. Calculated from data.

c. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

NPar Tests - N15

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8850	8,0667	,4633	2,156533	11,148517
	Std. Deviation	,01975	,35926	,00516	,0108012	1,1864487
Most Extreme Differences	Absolute	,276	,492	,407	,213	,237
	Positive	,231	,492	,407	,186	,156
	Negative	-,276	-,342	-,259	-,213	-,237
Kolmogorov-Smirnov Z		,677	1,205	,998	,521	,580
Asymp. Sig. (2-tailed)		,750	,110	,272	,949	,890

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N16

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,6817	6,8933	,5500	2,210567	12,271167
	Std. Deviation	,10028	,35926	,00000	,0564782	,1948477
Most Extreme Differences	Absolute	,263	,492	,500	,270	,309
	Positive	,263	,342	,500	,270	,309
	Negative	-,208	-,492	-,500	-,204	-,190
Kolmogorov-Smirnov Z		,643	1,205	1,225	,663	,757
Asymp. Sig. (2-tailed)		,802	,110	,100	,772	,615

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N17

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,6233	5,7200	,5200	2,400917	11,533367
	Std. Deviation	,02066	,48200	,00000 ^c	,0060612	,6642117
Most Extreme Differences	Absolute	,407	,319		,233	,323
	Positive	,407	,319		,233	,150
	Negative	-,259	-,319		-,219	-,323
Kolmogorov-Smirnov Z		,998	,782		,571	,790
Asymp. Sig. (2-tailed)		,272	,573		,900	,560

a. Test distribution is Normal.

b. Calculated from data.

c. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

NPar Tests - N18

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,6033	4,4000	,5083	2,418383	12,279917
	Std. Deviation	,00516	,55656	,00408	,0089397	,3312014
Most Extreme Differences	Absolute	,407	,333	,492	,336	,142
	Positive	,407	,333	,342	,206	,122
	Negative	-,259	-,333	-,492	-,336	-,142
Kolmogorov-Smirnov Z		,998	,816	1,205	,823	,347
Asymp. Sig. (2-tailed)		,272	,518	,110	,507	1,000

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N19

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0967	11,2933	,4500	,989400	11,875000
	Std. Deviation	,00516	,35926	,00000 ^c	,2690531	,3221025
Most Extreme Differences	Absolute	,407	,492		,316	,258
	Positive	,259	,342		,316	,258
	Negative	-,407	-,492		-,305	-,211
Kolmogorov-Smirnov Z		,998	1,205		,774	,631
Asymp. Sig. (2-tailed)		,272	,110		,587	,821

a. Test distribution is Normal.

b. Calculated from data.

c. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

NPar Tests – N20

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0267	10,1200	,4550	1,423000	12,112067
	Std. Deviation	,02160	,92295	,00548	,0042905	,3191162
Most Extreme Differences	Absolute	,121	,183	,319	,387	,271
	Positive	,121	,183	,319	,387	,183
	Negative	-,109	-,183	-,319	-,250	-,271
Kolmogorov-Smirnov Z		,297	,449	,782	,947	,663
Asymp. Sig. (2-tailed)		1,000	,988	,573	,331	,771

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N21

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0067	9,5333	,4700	1,530650	10,733700
	Std. Deviation	,00816	,86521	,00000	,0101123	1,4345348
Most Extreme Differences	Absolute	,293	,302	,500	,215	,282
	Positive	,293	,302	,500	,176	,231
	Negative	-,207	-,216	-,500	-,215	-,282
Kolmogorov-Smirnov Z		,717	,739	1,225	,526	,690
Asymp. Sig. (2-tailed)		,682	,646	,100	,945	,728

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N22

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7833	8,2133	,4783	1,646033	12,074317
	Std. Deviation	,06408	,71852	,00408	,0321884	,1397717
Most Extreme Differences	Absolute	,251	,293	,492	,244	,179
	Positive	,251	,207	,342	,185	,179
	Negative	-,203	-,293	-,492	-,244	-,154
Kolmogorov-Smirnov Z		,614	,717	1,205	,597	,438
Asymp. Sig. (2-tailed)		,846	,682	,110	,868	,991

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N23

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7450	7,6267	,4900	1,723133	11,571083
	Std. Deviation	,03391	,71852	,00894	,0145108	,6815700
Most Extreme Differences	Absolute	,225	,293	,202	,407	,342
	Positive	,225	,293	,202	,259	,178
	Negative	-,182	-,207	-,202	-,407	-,342
Kolmogorov-Smirnov Z		,552	,717	,494	,998	,838
Asymp. Sig. (2-tailed)		,921	,682	,968	,272	,484

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N24

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7100	6,6000	,5033	1,808083	12,263017
	Std. Deviation	,01265	,48200	,01033	,0068814	,4701953
Most Extreme Differences	Absolute	,285	,319	,293	,296	,193
	Positive	,215	,319	,293	,296	,173
	Negative	-,285	-,319	-,207	-,196	-,193
Kolmogorov-Smirnov Z		,699	,782	,718	,724	,472
Asymp. Sig. (2-tailed)		,713	,573	,681	,671	,979

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N25

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,4867	15,6933	,5200	1,141100	11,591667
	Std. Deviation	,01966	,35926	,03286	,0841660	,4397916
Most Extreme Differences	Absolute	,251	,492	,319	,309	,313
	Positive	,135	,342	,319	,309	,313
	Negative	-,251	-,492	-,319	-,264	-,222
Kolmogorov-Smirnov Z		,615	1,205	,782	,756	,768
Asymp. Sig. (2-tailed)		,844	,110	,573	,617	,597

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N26

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,1300	14,0800	,5200	1,279800	11,755617
	Std. Deviation	,05657	,00000 ^c	,03286	,0064411	,3642476
Most Extreme Differences	Absolute	,195		,319	,167	,246
	Positive	,195		,319	,160	,210
	Negative	-,144		-,319	-,167	-,246
Kolmogorov-Smirnov Z		,478		,782	,408	,604
Asymp. Sig. (2-tailed)		,976		,573	,996	,859

a. Test distribution is Normal.

b. Calculated from data.

c. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

NPar Tests - N27

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0783	13,0533	,5600	1,348100	11,674133
	Std. Deviation	,02927	,35926	,00894	,0319231	,4217814
Most Extreme Differences	Absolute	,234	,492	,202	,291	,252
	Positive	,234	,342	,202	,291	,156
	Negative	-,167	-,492	-,202	-,200	-,252
Kolmogorov-Smirnov Z		,574	1,205	,494	,714	,616
Asymp. Sig. (2-tailed)		,896	,110	,968	,688	,842

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N28

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,9050	12,6133	,5300	1,446033	12,039933
	Std. Deviation	,11572	,45443	,01549	,0028773	,1733751
Most Extreme Differences	Absolute	,294	,407	,333	,219	,198
	Positive	,294	,407	,333	,185	,198
	Negative	-,294	-,259	-,259	-,219	-,135
Kolmogorov-Smirnov Z		,721	,998	,816	,537	,485
Asymp. Sig. (2-tailed)		,677	,272	,518	,935	,973

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N29

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8933	11,8800	,5467	1,526233	11,730967
	Std. Deviation	,10231	,92295	,02733	,0467571	,8708065
Most Extreme Differences	Absolute	,319	,183	,215	,325	,224
	Positive	,319	,183	,197	,241	,177
	Negative	-,302	-,183	-,215	-,325	-,224
Kolmogorov-Smirnov Z		,782	,449	,527	,796	,550
Asymp. Sig. (2-tailed)		,574	,988	,944	,551	,923

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N30

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,8867	10,8533	,5133	1,584850	12,417217
	Std. Deviation	,10231	,45443	,01211	,0109839	,4091576
Most Extreme Differences	Absolute	,319	,407	,209	,258	,292
	Positive	,302	,407	,198	,223	,208
	Negative	-,319	-,259	-,209	-,258	-,292
Kolmogorov-Smirnov Z		,782	,998	,512	,633	,715
Asymp. Sig. (2-tailed)		,574	,272	,956	,818	,686

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N31

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,4867	15,6933	,5200	1,141100	11,591667
	Std. Deviation	,01966	,35926	,03286	,0841660	,4397916
Most Extreme Differences	Absolute	,251	,492	,319	,309	,313
	Positive	,135	,342	,319	,309	,313
	Negative	-,251	-,492	-,319	-,264	-,222
Kolmogorov-Smirnov Z		,615	1,205	,782	,756	,768
Asymp. Sig. (2-tailed)		,844	,110	,573	,617	,597

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N32

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,2267	15,4000	,5533	1,246983	11,837083
	Std. Deviation	,14652	,48200	,00516	,0075128	,3375512
Most Extreme Differences	Absolute	,317	,319	,407	,257	,315
	Positive	,317	,319	,407	,164	,315
	Negative	-,255	-,319	-,259	-,257	-,188
Kolmogorov-Smirnov Z		,777	,782	,998	,630	,772
Asymp. Sig. (2-tailed)		,582	,573	,272	,823	,591

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N33

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,1700	14,2267	,5700	1,310250	10,724583
	Std. Deviation	,05477	,35926	,01897	,0038991	1,3092592
Most Extreme Differences	Absolute	,319	,492	,201	,349	,283
	Positive	,319	,492	,201	,273	,168
	Negative	-,319	-,342	-,201	-,349	-,283
Kolmogorov-Smirnov Z		,782	1,205	,492	,854	,694
Asymp. Sig. (2-tailed)		,573	,110	,969	,459	,722

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N34

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,1083	13,6400	,6067	1,331217	11,823900
	Std. Deviation	,02563	,48200	,04761	,0017233	,5232809
Most Extreme Differences	Absolute	,294	,319	,319	,254	,292
	Positive	,294	,319	,279	,224	,291
	Negative	-,237	-,319	-,319	-,254	-,292
Kolmogorov-Smirnov Z		,721	,782	,780	,622	,716
Asymp. Sig. (2-tailed)		,677	,573	,576	,834	,685

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N35

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0933	12,9067	,6233	1,352550	11,723550
	Std. Deviation	,00816	,45443	,03327	,0037554	1,0599216
Most Extreme Differences	Absolute	,293	,407	,289	,336	,214
	Positive	,207	,259	,258	,336	,209
	Negative	-,293	-,407	-,289	-,240	-,214
Kolmogorov-Smirnov Z		,717	,998	,707	,824	,525
Asymp. Sig. (2-tailed)		,682	,272	,700	,505	,946

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N36

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0833	11,8800	,6283	1,456317	11,994133
	Std. Deviation	,01211	,48200	,03125	,0175729	,4645277
Most Extreme Differences	Absolute	,209	,319	,318	,318	,142
	Positive	,198	,319	,318	,318	,135
	Negative	-,209	-,319	-,256	-,209	-,142
Kolmogorov-Smirnov Z		,512	,782	,778	,778	,348
Asymp. Sig. (2-tailed)		,956	,573	,580	,580	1,000

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N37

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,1933	14,8133	,5250	1,372083	11,600000
	Std. Deviation	,00816	,35926	,02739	,2082190	,5540758
Most Extreme Differences	Absolute	,293	,492	,319	,317	,317
	Positive	,207	,342	,319	,315	,317
	Negative	-,293	-,492	-,319	-,317	-,265
Kolmogorov-Smirnov Z		,717	1,205	,782	,776	,775
Asymp. Sig. (2-tailed)		,682	,110	,573	,583	,585

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N38

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0600	11,7333	,5500	2,353150	11,753167
	Std. Deviation	,04690	,71852	,00000	,0061200	,4100446
Most Extreme Differences	Absolute	,167	,293	,500	,407	,226
	Positive	,167	,207	,500	,259	,167
	Negative	-,143	-,293	-,500	-,407	-,226
Kolmogorov-Smirnov Z		,408	,717	1,225	,998	,555
Asymp. Sig. (2-tailed)		,996	,682	,100	,272	,918

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N39

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	3,0417	10,8533	,5517	2,430800	11,040633
	Std. Deviation	,01472	,45443	,02401	,0320002	1,0811877
Most Extreme Differences	Absolute	,214	,407	,361	,327	,244
	Positive	,119	,407	,361	,327	,208
	Negative	-,214	-,259	-,314	-,212	-,244
Kolmogorov-Smirnov Z		,525	,998	,884	,800	,598
Asymp. Sig. (2-tailed)		,946	,272	,415	,544	,867

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N40

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7783	10,1200	,6667	2,483633	11,925550
	Std. Deviation	,01169	,48200	,05164	,0584318	,2930408
Most Extreme Differences	Absolute	,277	,319	,407	,406	,224
	Positive	,277	,319	,259	,257	,194
	Negative	-,238	-,319	-,407	-,406	-,224
Kolmogorov-Smirnov Z		,678	,782	,998	,994	,549
Asymp. Sig. (2-tailed)		,748	,573	,272	,276	,924

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N41

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7633	9,2400	,7167	2,696400	11,756783
	Std. Deviation	,00516	,48200	,02582	,0317198	,4478474
Most Extreme Differences	Absolute	,407	,319	,407	,353	,283
	Positive	,407	,319	,407	,353	,166
	Negative	-,259	-,319	-,259	-,313	-,283
Kolmogorov-Smirnov Z		,998	,782	,998	,866	,693
Asymp. Sig. (2-tailed)		,272	,573	,272	,442	,723

a. Test distribution is Normal.

b. Calculated from data.

NPar Tests - N42

One-Sample Kolmogorov-Smirnov Test

		pH	Vitamin C	Viskositas	Spektro (Brouwning)	TS (Total Solid)
N		6	6	6	6	6
Normal Parameters ^{a,b}	Mean	2,7617	7,9200	,7217	2,786950	13,157817
	Std. Deviation	,00408	,96399	,02483	,0065348	3,1635473
Most Extreme Differences	Absolute	,492	,319	,309	,368	,470
	Positive	,492	,319	,309	,368	,470
	Negative	-,342	-,319	-,206	-,229	-,325
Kolmogorov-Smirnov Z		1.205	,782	,756	,901	1.152
Asymp. Sig. (2-tailed)		,110	,573	,617	,391	,141

a. Test distribution is Normal.

b. Calculated from data.

Keterangan :

N1 : daging botol kamar hari ke-0
N2 : daging botol kamar hari ke-3
N3 : daging botol kamar hari ke-6
N4 : daging botol kamar hari ke-9
N5 : daging botol kamar hari ke-12
N6 : daging botol kamar hari ke-15

N25 : utuh botol kamar hari ke-0
N26 : utuh botol kamar hari ke-3
N27 : utuh botol kamar hari ke-6
N28 : utuh botol kamar hari ke-9
N29 : utuh botol kamar hari ke-12
N30 : utuh botol kamar hari ke-15

N7 : daging botol refrigerasi hari ke-0
N8 : daging botol refrigerasi hari ke-3
N9 : daging botol refrigerasi hari ke-6
N10: daging botol refrigerasi hari ke-9
N11: daging botol refrigerasi hari ke-12
N12: daging botol refrigerasi hari ke-15

N31 : utuh botol refrigerasi hari ke-0
N32 : utuh botol refrigerasi hari ke-3
N33 : utuh botol refrigerasi hari ke-6
N34 : utuh botol refrigerasi hari ke-9
N35 : utuh botol refrigerasi hari ke-12
N36 : utuh botol refrigerasi hari ke-15

N13 : daging pp kamar hari ke-0
N14 : daging pp kamar hari ke-3
N15 : daging pp kamar hari ke-6
N16 : daging pp kamar hari ke-9
N17 : daging pp kamar hari ke-12
N18 : daging pp kamar hari ke-15

N37 : utuh pp kamar hari ke-0
N38 : utuh pp kamar hari ke-3
N39 : utuh pp kamar hari ke-6
N40 : utuh pp kamar hari ke-9
N41 : utuh pp kamar hari ke-12
N42 : utuh pp kamar hari ke-15

N19 : daging pp refrigerasi hari ke-0
N20 : daging pp refrigerasi hari ke-3
N21 : daging pp refrigerasi hari ke-6
N22 : daging pp refrigerasi hari ke-9
N23 : daging pp refrigerasi hari ke-12
N24 : daging pp refrigerasi hari ke-15

N43 : utuh pp refrigerasi hari ke-0
N44 : utuh pp refrigerasi hari ke-3
N45 : utuh pp refrigerasi hari ke-6
N46 : utuh pp refrigerasi hari ke-9
N47 : utuh pp refrigerasi hari ke-12
N48 : utuh pp refrigerasi hari ke-15

Lampiran 3. Descriptive Statistic dan Hasil Uji Signifikansi Menggunakan Two Way Anova

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
pH	288	2.60	3.51	2.9671	.2000
Vitamin C	288	3.52	15.84	10.7831	2.7995
Viskositas	288	.40	.75	.5228	8.527E-02
Warna	288	.6537	2.7956	1.544527	.551025
TS	288	8.500	19.612	11.77827	.87771
Valid N (listwise)	288				



Uji Signifikansi pH

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Suhu_hari ke-	1	suhu kamar hari ke-0	24
	2	suhu kamar hari ke-3	24
	3	suhu kamar hari ke-6	24
	4	suhu kamar hari ke-9	24
	5	suhu kamar hari ke-12	24
	6	suhu kamar hari ke-15	24
	7	suhu refrigerasi hari ke-0	24
	8	suhu refrigerasi hari ke-3	24
	9	suhu refrigerasi hari ke-6	24
	10	suhu refrigerasi hari ke-9	24
	11	suhu refrigerasi hari ke-12	24
	12	suhu refrigerasi hari ke-15	24
Perlakuan	1	Daging Botol	72
	2	Daging PP	72
	3	Utuh Botol	72
	4	Utuh PP	72

Descriptive Statistics

Dependent Variable: pH

Suhu hari ke-	Perlakuan	Mean	Std. Deviation	N
suhu kamar hari ke-0	Daging Botol	3.1083	9.832E-03	6
	Daging PP	3.0967	5.164E-03	6
	Utuh Botol	3.4867	1.966E-02	6
	Utuh PP	3.1933	8.165E-03	6
	Total	3.2213	.1615	24
suhu kamar hari ke-3	Daging Botol	2.9800	7.376E-02	6
	Daging PP	2.8733	4.412E-02	6
	Utuh Botol	3.1300	5.657E-02	6
	Utuh PP	3.0600	4.690E-02	6
	Total	3.0108	.1109	24
suhu kamar hari ke-6	Daging Botol	2.9150	1.761E-02	6
	Daging PP	2.8850	1.975E-02	6
	Utuh Botol	3.0783	2.927E-02	6
	Utuh PP	3.0417	1.472E-02	6
	Total	2.9800	8.577E-02	24
suhu kamar hari ke-9	Daging Botol	2.8483	7.548E-02	6
	Daging PP	2.6817	.1003	6
	Utuh Botol	2.9050	.1157	6
	Utuh PP	2.7783	1.169E-02	6
	Total	2.8033	.1167	24
suhu kamar hari ke-12	Daging Botol	2.8133	9.158E-02	6
	Daging PP	2.6233	2.066E-02	6
	Utuh Botol	2.8933	.1023	6
	Utuh PP	2.7633	5.164E-03	6
	Total	2.7733	.1194	24
suhu kamar hari ke-15	Daging Botol	2.7817	8.612E-02	6
	Daging PP	2.6033	5.164E-03	6
	Utuh Botol	2.8867	.1023	6
	Utuh PP	2.7617	4.082E-03	6
	Total	2.7583	.1209	24
suhu refrigerasi hari ke-0	Daging Botol	3.1083	9.832E-03	6
	Daging PP	3.0967	5.164E-03	6
	Utuh Botol	3.4867	1.966E-02	6
	Utuh PP	3.1933	8.165E-03	6
	Total	3.2213	.1615	24
suhu refrigerasi hari ke-3	Daging Botol	3.0750	1.871E-02	6
	Daging PP	3.0267	2.160E-02	6
	Utuh Botol	3.2267	.1465	6
	Utuh PP	3.1367	2.066E-02	6
	Total	3.1163	.1037	24
suhu refrigerasi hari ke-6	Daging Botol	3.0400	1.414E-02	6
	Daging PP	3.0067	8.165E-03	6
	Utuh Botol	3.1700	5.477E-02	6
	Utuh PP	3.0783	1.472E-02	6
	Total	3.0737	6.819E-02	24
suhu refrigerasi hari ke-9	Daging Botol	2.8283	5.492E-02	6
	Daging PP	2.7833	6.408E-02	6
	Utuh Botol	3.1083	2.563E-02	6
	Utuh PP	2.9383	6.401E-02	6
	Total	2.9146	.1377	24
suhu refrigerasi hari ke-12	Daging Botol	2.7983	4.622E-02	6
	Daging PP	2.7450	3.391E-02	6
	Utuh Botol	3.0933	8.165E-03	6
	Utuh PP	2.8833	4.082E-02	6
	Total	2.8800	.1395	24
suhu refrigerasi hari ke-15	Daging Botol	2.7817	4.579E-02	6
	Daging PP	2.7100	1.265E-02	6
	Utuh Botol	3.0833	1.211E-02	6
	Utuh PP	2.8333	5.164E-02	6
	Total	2.8521	.1473	24
Total	Daging Botol	2.9232	.1364	72
	Daging PP	2.8443	.1769	72
	Utuh Botol	3.1290	.2038	72
	Utuh PP	2.9718	.1625	72
	Total	2.9671	.2000	288

Levene's Test of Equality of Error Variances^a

Dependent Variable: pH

F	df1	df2	Sig.
9.538	47	240	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SUHU_HAR+PERLAKUA+SUHU_HAR * PERLAKUA

Tests of Between-Subjects Effects

Dependent Variable: pH

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	10.828 ^a	47	.230	84.812	.000
Intercept	2535.432	1	2535.432	933383.3	.000
SUHU_HAR	7.114	11	.647	238.074	.000
PERLAKUA	3.114	3	1.038	382.115	.000
SUHU_HAR * PERLAKUA	.600	33	1.819E-02	6.697	.000
Error	.652	240	2.716E-03		
Total	2546.912	288			
Corrected Total	11.480	287			

a. R Squared = .943 (Adjusted R Squared = .932)

Estimated Marginal Means

Grand Mean

Dependent Variable: pH

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
2.967	.003	2.961	2.973

Post Hoc Tests

Suhu_hari ke-

Homogeneous Subsets

pH

Duncan^{a,b}

Suhu_hari ke-	N	Subset								
		1	2	3	4	5	6	7	8	9
suhu kamar hari ke-13	24	2.7583								
suhu kamar hari ke-12	24	2.7733								
suhu kamar hari ke-9	24		2.8033							
suhu refrigerasi hari ke-15	24			2.8521						
suhu refrigerasi hari ke-12	24			2.8800						
suhu refrigerasi hari ke-6	24				2.9146					
suhu kamar hari ke-6	24					2.9800				
suhu kamar hari ke-3	24						3.0108			
suhu refrigerasi hari ke-3	24							3.0737		
suhu refrigerasi hari ke-0	24								3.1163	
suhu kamar hari ke-0	24									3.2213
suhu refrigerasi hari ke-0	24									3.2213
Sig.		.319	1.000	.064	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 2.716E-03.

a. Uses Harmonic Mean Sample Size = 24.000.

b. Alpha = .05.

Perlakuan

Homogeneous Subsets

pH

Duncan^{a,b}

Perlakuan	N	Subset			
		1	2	3	4
Daging PP	72	2.8443			
Daging Botol	72		2.9232		
Utuh PP	72			2.9718	
Utuh Botol	72				3.1290
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 2.716E-03.

a. Uses Harmonic Mean Sample Size = 72.000.

b. Alpha = .05.

Uji Signifikansi Vitamin C Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Suhu_hari ke-	1	suhu kamar hari ke-0	24
	2	suhu kamar hari ke-3	24
	3	suhu kamar hari ke-6	24
	4	suhu kamar hari ke-9	24
	5	suhu kamar hari ke-12	24
	6	suhu kamar hari ke-15	24
	7	suhu refrigerasi hari ke-0	24
	8	suhu refrigerasi hari ke-3	24
	9	suhu refrigerasi hari ke-6	24
	10	suhu refrigerasi hari ke-9	24
	11	suhu refrigerasi hari ke-12	24
	12	suhu refrigerasi hari ke-15	24
Perlakuan	1	Daging Botol	72
	2	Daging PP	72
	3	Utuh Botol	72
	4	Utuh PP	72

Descriptive Statistics

Dependent Variable: Vitamin C

Suhu hari ke-	Perlakuan	Mean	Std. Deviation	N
suhu kamar hari ke-0	Daging Botol	12.7600	.4820	6
	Daging PP	11.2933	.3593	6
	Utuh Botol	15.6933	.3593	6
	Utuh PP	14.8133	.3593	6
	Total	13.6400	1.7979	24
suhu kamar hari ke-3	Daging Botol	10.5600	1.3633	6
	Daging PP	9.2400	.4820	6
	Utuh Botol	14.0800	.0000	6
	Utuh PP	11.7333	.7185	6
	Total	11.4033	1.9674	24
suhu kamar hari ke-6	Daging Botol	9.5333	.8652	6
	Daging PP	8.0667	.3593	6
	Utuh Botol	13.0533	.3593	6
	Utuh PP	10.8533	.4544	6
	Total	10.3767	1.9415	24
suhu kamar hari ke-9	Daging Botol	8.6533	1.1697	6
	Daging PP	6.8933	.3593	6
	Utuh Botol	12.6133	.4544	6
	Utuh PP	10.1200	.4820	6
	Total	9.5700	2.2370	24
suhu kamar hari ke-12	Daging Botol	7.9200	.9640	6
	Daging PP	5.7200	.4820	6
	Utuh Botol	11.8800	.9230	6
	Utuh PP	9.2400	.4820	6
	Total	8.6900	2.3828	24
suhu kamar hari ke-15	Daging Botol	6.4533	.7185	6
	Daging PP	4.4000	.5566	6
	Utuh Botol	10.8533	.4544	6
	Utuh PP	7.9200	.9640	6
	Total	7.4067	2.4879	24
suhu refrigerasi hari ke-0	Daging Botol	12.7600	.4820	6
	Daging PP	11.2933	.3593	6
	Utuh Botol	15.6933	.3593	6
	Utuh PP	14.8133	.3593	6
	Total	13.6400	1.7979	24
suhu refrigerasi hari ke-3	Daging Botol	11.4400	1.1131	6
	Daging PP	10.1200	.9230	6
	Utuh Botol	15.4000	.4820	6
	Utuh PP	13.7867	.4544	6
	Total	12.6867	2.2159	24
suhu refrigerasi hari ke-6	Daging Botol	10.5600	.9640	6
	Daging PP	9.5333	.8652	6
	Utuh Botol	14.2267	.3593	6
	Utuh PP	13.0533	.6624	6
	Total	11.8433	2.0429	24
suhu refrigerasi hari ke-9	Daging Botol	9.6800	.9640	6
	Daging PP	8.2133	.7185	6
	Utuh Botol	13.6400	.4820	6
	Utuh PP	11.7333	.7185	6
	Total	10.8167	2.2092	24
suhu refrigerasi hari ke-12	Daging Botol	9.0933	1.3249	6
	Daging PP	7.6267	.7185	6
	Utuh Botol	12.9067	.4544	6
	Utuh PP	10.8533	.7185	6
	Total	10.1200	2.1711	24
suhu refrigerasi hari ke-15	Daging Botol	8.2133	1.0657	6
	Daging PP	6.6000	.4820	6
	Utuh Botol	11.8800	.4820	6
	Utuh PP	10.1200	.4820	6
	Total	9.2033	2.1238	24
Total	Daging Botol	9.8022	2.0641	72
	Daging PP	8.2500	2.1425	72
	Utuh Botol	13.4933	1.5907	72
	Utuh PP	11.5867	2.1707	72
	Total	10.7831	2.7995	288

Levene's Test of Equality of Error Variances

Dependent Variable: Vitamin C

F	df1	df2	Sig.
6.350	47	240	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SUHU_HAR+PERLAKUA+SUHU_HAR * PERLAKUA

Tests of Between-Subjects Effects

Dependent Variable: Vitamin C

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2134.244 ^a	47	45.409	94.769	.000
Intercept	33486.995	1	33486.995	69886.874	.000
SUHU_HAR	1003.458	11	91.223	190.382	.000
PERLAKUA	1106.626	3	368.875	769.837	.000
SUHU_HAR * PERLAKUA	24.160	33	.732	1.528	.039
Error	114.998	240	.479		
Total	35736.237	288			
Corrected Total	2249.242	287			

a. R Squared = .949 (Adjusted R Squared = .939)

Estimated Marginal Means

Grand Mean

Dependent Variable: Vitamin C

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
10.783	.041	10.703	10.863

Post Hoc Tests

Suhu_hari ke-

Homogeneous Subsets

Vitamin C

Duncan^{a,b}

Suhu_hari ke-	N	Subset								
		1	2	3	4	5	6	7	8	9
suhu kamar hari ke-15	24	7.4067								
suhu kamar hari ke-12	24		8.6900							
suhu refrigerasi hari ke-15	24			9.2033						
suhu kamar hari ke-9	24			9.5700						
suhu refrigerasi hari ke-12	24				10.1200					
suhu kamar hari ke-6	24				10.3767					
suhu refrigerasi hari ke-	24					10.8167				
suhu kamar hari ke-3	24						11.4033			
suhu refrigerasi hari ke-	24							11.8433		
suhu refrigerasi hari ke-	24								12.6867	
suhu kamar hari ke-0	24									13.6400
suhu refrigerasi hari ke-	24									13.6400
Sig.		1.000	1.000	.067	.199	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .479.

a. Uses Harmonic Mean Sample Size = 24.000.

b. Alpha = .05.

Perlakuan

Homogeneous Subsets

Vitamin C

Duncan^{a,b}

Perlakuan	N	Subset			
		1	2	3	4
Daging PP	72	8.2500			
Daging Botol	72		9.8022		
Utuh PP	72			11.5867	
Utuh Botol	72				13.4933
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .479.

a. Uses Harmonic Mean Sample Size = 72.000.

b. Alpha = .05.

Uji Signifikansi Viskositas
Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Suhu_hari ke-	1	suhu kamar hari ke-0	24
	2	suhu kamar hari ke-3	24
	3	suhu kamar hari ke-6	24
	4	suhu kamar hari ke-9	24
	5	suhu kamar hari ke-12	24
	6	suhu kamar hari ke-15	24
	7	suhu refrigerasi hari ke-0	24
	8	suhu refrigerasi hari ke-3	24
	9	suhu refrigerasi hari ke-6	24
	10	suhu refrigerasi hari ke-9	24
	11	suhu refrigerasi hari ke-12	24
	12	suhu refrigerasi hari ke-15	24
Perlakuan	1	Daging Botol	72
	2	Daging PP	72
	3	Utuh Botol	72
	4	Utuh PP	72

Descriptive Statistics

Dependent Variable: Viskositas

Suhu hari ke-	Perlakuan	Mean	Std. Deviation	N
suhu kamar hari ke-0	Daging Botol	.4000	.0000	6
	Daging PP	.4500	.0000	6
	Utuh Botol	.5200	3.286E-02	6
	Utuh PP	.5250	2.739E-02	6
	Total	.4738	5.663E-02	24
suhu kamar hari ke-3	Daging Botol	.4100	.0000	6
	Daging PP	.4500	.0000	6
	Utuh Botol	.5200	3.286E-02	6
	Utuh PP	.5500	.0000	6
	Total	.4825	5.863E-02	24
suhu kamar hari ke-6	Daging Botol	.4183	4.082E-03	6
	Daging PP	.4633	5.164E-03	6
	Utuh Botol	.5600	8.944E-03	6
	Utuh PP	.5517	2.401E-02	6
	Total	.4983	6.225E-02	24
suhu kamar hari ke-9	Daging Botol	.4417	1.329E-02	6
	Daging PP	.5500	.0000	6
	Utuh Botol	.5300	1.549E-02	6
	Utuh PP	.6667	5.164E-02	6
	Total	.5471	8.590E-02	24
suhu kamar hari ke-12	Daging Botol	.4250	2.168E-02	6
	Daging PP	.5200	.0000	6
	Utuh Botol	.5467	2.733E-02	6
	Utuh PP	.7167	2.582E-02	6
	Total	.5521	.1094	24
suhu kamar hari ke-15	Daging Botol	.4283	7.528E-03	6
	Daging PP	.5083	4.082E-03	6
	Utuh Botol	.5133	1.211E-02	6
	Utuh PP	.7217	2.483E-02	6
	Total	.5429	.1117	24
suhu refrigerasi hari ke-0	Daging Botol	.4000	.0000	6
	Daging PP	.4500	.0000	6
	Utuh Botol	.5200	3.286E-02	6
	Utuh PP	.5250	2.739E-02	6
	Total	.4738	5.663E-02	24
suhu refrigerasi hari ke-3	Daging Botol	.4450	1.643E-02	6
	Daging PP	.4550	5.477E-03	6
	Utuh Botol	.5533	5.164E-03	6
	Utuh PP	.5500	.0000	6
	Total	.5008	5.274E-02	24
suhu refrigerasi hari ke-6	Daging Botol	.4450	2.168E-02	6
	Daging PP	.4700	.0000	6
	Utuh Botol	.5700	1.897E-02	6
	Utuh PP	.5917	2.041E-02	6
	Total	.5192	6.620E-02	24
suhu refrigerasi hari ke-9	Daging Botol	.4583	1.329E-02	6
	Daging PP	.4783	4.082E-03	6
	Utuh Botol	.6067	4.761E-02	6
	Utuh PP	.6167	2.582E-02	6
	Total	.5400	7.813E-02	24
suhu refrigerasi hari ke-12	Daging Botol	.4767	8.165E-03	6
	Daging PP	.4900	8.944E-03	6
	Utuh Botol	.6233	3.327E-02	6
	Utuh PP	.6800	2.191E-02	6
	Total	.5675	9.061E-02	24
suhu refrigerasi hari ke-15	Daging Botol	.4783	9.832E-03	6
	Daging PP	.5033	1.033E-02	6
	Utuh Botol	.6283	3.125E-02	6
	Utuh PP	.6950	5.477E-03	6
	Total	.5763	9.240E-02	24
Total	Daging Botol	.4356	2.818E-02	72
	Daging PP	.4824	3.160E-02	72
	Utuh Botol	.5576	4.746E-02	72
	Utuh PP	.6158	7.722E-02	72
	Total	.5228	8.527E-02	288

Levene's Test of Equality of Error Variances

Dependent Variable: Viskositas

F	df1	df2	Sig.
23.885	47	240	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SUHU_HAR+PERLAKUA+SUHU_HAR * PERLAKUA

Tests of Between-Subjects Effects

Dependent Variable: Viskositas

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.992 ^a	47	4.239E-02	107.739	.000
Intercept	78.730	1	78.730	200091.2	.000
SUHU_HAR	.349	11	3.171E-02	80.586	.000
PERLAKUA	1.376	3	.459	1165.978	.000
SUHU_HAR * PERLAKUA	.267	33	8.100E-03	20.586	.000
Error	9.443E-02	240	3.935E-04		
Total	80.817	288			
Corrected Total	2.087	287			

a. R Squared = .955 (Adjusted R Squared = .946)

Estimated Marginal Means

Grand Mean

Dependent Variable: Viskositas

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
.523	.001	.521	.525

Post Hoc Tests

Suhu_hari ke-

Homogeneous Subsets

Viskositas

Duncan^{a,b}

Suhu_hari ke-	N	Subset				
		1	2	3	4	5
suhu kamar hari ke-0	24	.4738				
suhu refrigerasi hari ke-0	24	.4738				
suhu kamar hari ke-3	24	.4825				
suhu kamar hari ke-6	24		.4983			
suhu refrigerasi hari ke-3	24		.5008			
suhu refrigerasi hari ke-6	24			.5192		
suhu refrigerasi hari ke-9	24				.5400	
suhu kamar hari ke-15	24				.5429	
suhu kamar hari ke-9	24				.5471	
suhu kamar hari ke-12	24				.5521	
suhu refrigerasi hari ke-12	24					.5675
suhu refrigerasi hari ke-15	24					.5763
Sig.		.150	.662	1.000	.053	.126

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 3.935E-04.

a. Uses Harmonic Mean Sample Size = 24.000.

b. Alpha = .05.

Perlakuan

Homogeneous Subsets

Viskositas

Duncan^{a,b}

Perlakuan	N	Subset			
		1	2	3	4
Daging Botol	72	.4356			
Daging PP	72		.4824		
Utuh Botol	72			.5576	
Utuh PP	72				.6158
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 3.935E-04.

a. Uses Harmonic Mean Sample Size = 72.000.

b. Alpha = .05.

Uji Signifikansi Warna
Univariate Analysis of Variance

Between-Subjects Factors

	Value Label	N
Suhu_hari ke-	1 suhu kamar hari ke-0	24
	2 suhu kamar hari ke-3	24
	3 suhu kamar hari ke-6	24
	4 suhu kamar hari ke-9	24
	5 suhu kamar hari ke-12	24
	6 suhu kamar hari ke-15	24
	7 suhu refrigerasi hari ke-0	24
	8 suhu refrigerasi hari ke-3	24
	9 suhu refrigerasi hari ke-6	24
	10 suhu refrigerasi hari ke-9	24
	11 suhu refrigerasi hari ke-12	24
	12 suhu refrigerasi hari ke-15	24
Perlakuan	1 Daging Botol	72
	2 Daging PP	72
	3 Utuh Botol	72
	4 Utuh PP	72

Descriptive Statistics

Dependent Variable: Warna

Suhu hari ke-	Perlakuan	Mean	Std. Deviation	N
suhu kamar hari ke-0	Daging Botol	.706967	5.62851E-02	6
	Daging PP	.989400	.269053	6
	Utuh Botol	1.141100	8.41660E-02	6
	Utuh PP	1.372083	.208219	6
	Total	1.052388	.297097	24
suhu kamar hari ke-3	Daging Botol	.975583	8.94638E-03	6
	Daging PP	2.124133	5.49970E-03	6
	Utuh Botol	1.279800	6.44112E-03	6
	Utuh PP	2.353150	6.12005E-03	6
	Total	1.683167	.583885	24
suhu kamar hari ke-6	Daging Botol	.996950	4.31914E-03	6
	Daging PP	2.156533	1.08012E-02	6
	Utuh Botol	1.348100	3.19231E-02	6
	Utuh PP	2.430800	3.20002E-02	6
	Total	1.733096	.595207	24
suhu kamar hari ke-9	Daging Botol	1.039367	3.20541E-03	6
	Daging PP	2.210567	5.64782E-02	6
	Utuh Botol	1.446033	2.87727E-03	6
	Utuh PP	2.483633	5.84318E-02	6
	Total	1.794900	.592384	24
suhu kamar hari ke-12	Daging Botol	1.066967	1.40762E-02	6
	Daging PP	2.400917	6.06116E-03	6
	Utuh Botol	1.526233	4.67571E-02	6
	Utuh PP	2.696400	3.17198E-02	6
	Total	1.922629	.669774	24
suhu kamar hari ke-15	Daging Botol	1.130430	1.11196E-02	6
	Daging PP	2.418383	8.93967E-03	6
	Utuh Botol	1.584850	1.09839E-02	6
	Utuh PP	2.786950	6.53475E-03	6
	Total	1.980153	.670152	24
suhu refrigerasi hari ke-0	Daging Botol	.706967	5.62851E-02	6
	Daging PP	.989400	.269053	6
	Utuh Botol	1.141100	8.41660E-02	6
	Utuh PP	1.372083	.208219	6
	Total	1.052388	.297097	24
suhu refrigerasi hari ke-3	Daging Botol	.906583	1.88936E-03	6
	Daging PP	1.423000	4.29045E-03	6
	Utuh Botol	1.246983	7.51277E-03	6
	Utuh PP	1.753683	4.59627E-03	6
	Total	1.332562	.312516	24
suhu refrigerasi hari ke-6	Daging Botol	.968483	1.16460E-02	6
	Daging PP	1.530650	1.01123E-02	6
	Utuh Botol	1.310250	3.89910E-03	6
	Utuh PP	1.793467	1.65855E-02	6
	Total	1.400713	.309243	24
suhu refrigerasi hari ke-9	Daging Botol	.997183	2.20583E-03	6
	Daging PP	1.646033	3.21884E-02	6
	Utuh Botol	1.331217	1.72327E-03	6
	Utuh PP	1.914567	4.01681E-02	6
	Total	1.472250	.351508	24
suhu refrigerasi hari ke-12	Daging Botol	1.004900	.000000	6
	Daging PP	1.723133	1.45108E-02	6
	Utuh Botol	1.352550	3.75540E-03	6
	Utuh PP	1.982200	4.44252E-03	6
	Total	1.515696	.378230	24
suhu refrigerasi hari ke-15	Daging Botol	1.042883	6.63549E-03	6
	Daging PP	1.808083	6.88140E-03	6
	Utuh Botol	1.456317	1.75729E-02	6
	Utuh PP	2.070267	4.77189E-02	6
	Total	1.594387	.394829	24
Total	Daging Botol	.961939	.128499	72
	Daging PP	1.785019	.488582	72
	Utuh Botol	1.347044	.138303	72
	Utuh PP	2.084107	.464065	72
	Total	1.544527	.551025	288

Levene's Test of Equality of Error Variances^a

Dependent Variable: Warna

F	df1	df2	Sig.
245.014	47	240	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SUHU_HAR+PERLAKUA+SUHU_HAR * PERLAKUA

Tests of Between-Subjects Effects

Dependent Variable: Warna

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	85.787 ^a	47	1.825	323.309	.000
Intercept	687.043	1	687.043	121697.2	.000
SUHU_HAR	24.210	11	2.201	389.852	.000
PERLAKUA	52.372	3	17.457	3092.263	.000
SUHU_HAR * PERLAKUA	9.204	33	.279	49.405	.000
Error	1.355	240	5.646E-03		
Total	774.184	288			
Corrected Total	87.142	287			

a. R Squared = .984 (Adjusted R Squared = .981)

Estimated Marginal Means

Grand Mean

Dependent Variable: Warna

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1.545	.004	1.536	1.553

Post Hoc Tests

Suhu_hari ke-

Homogeneous Subsets

Warna

Duncan^{a,b}

Suhu_hari ke-	N	Subset											
		1	2	3	4	5	6	7	8	9	10	11	
suhu kamar hari ke-0	24	1.052388											
suhu refrigerasi hari ke	24	1.052388											
suhu refrigerasi hari ke	24		1.332562										
suhu refrigerasi hari ke	24			1.400713									
suhu refrigerasi hari ke	24				1.472250								
suhu refrigerasi hari ke-12	24					1.515696							
suhu refrigerasi hari ke-15	24						1.594387						
suhu kamar hari ke-3	24							1.683167					
suhu kamar hari ke-6	24								1.733096				
suhu kamar hari ke-9	24									1.794900			
suhu kamar hari ke-12	24										1.922629		
suhu kamar hari ke-15	24											1.980153	
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 5.646E-03.

a. Uses Harmonic Mean Sample Size = 24.000.

b. Alpha = .05.

Perlakuan

Homogeneous Subsets

Warna

Duncan^{a,b}

Perlakuan	N	Subset			
		1	2	3	4
Daging Botol	72	.961939			
Utuh Botol	72		1.347044		
Daging PP	72			1.785019	
Utuh PP	72				2.084107
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 5.646E-03.

a. Uses Harmonic Mean Sample Size = 72.000.

b. Alpha = .05.

Uji Signifikansi Total Solid
Univariate Analysis of Variance

Between-Subjects Factors

	Value Label	N
Suhu_hari ke-	1 suhu kamar hari ke-0	24
	2 suhu kamar hari ke-3	24
	3 suhu kamar hari ke-6	24
	4 suhu kamar hari ke-9	24
	5 suhu kamar hari ke-12	24
	6 suhu kamar hari ke-15	24
	7 suhu refrigerasi hari ke-0	24
	8 suhu refrigerasi hari ke-3	24
	9 suhu refrigerasi hari ke-6	24
	10 suhu refrigerasi hari ke-9	24
	11 suhu refrigerasi hari ke-12	24
	12 suhu refrigerasi hari ke-15	24
Perlakuan	1 Daging Botol	72
	2 Daging PP	72
	3 Utuh Botol	72
	4 Utuh PP	72

Descriptive Statistics

Dependent Variable: TS

Suhu hari ke-	Perlakuan	Mean	Std. Deviation	N
suhu kamar hari ke-0	Daging Botol	11.62500	.44130	6
	Daging PP	11.87500	.32210	6
	Utuh Botol	11.59167	.43979	6
	Utuh PP	11.60000	.55408	6
	Total	11.67292	.43363	24
suhu kamar hari ke-3	Daging Botol	11.76226	.13621	6
	Daging PP	11.78980	.36753	6
	Utuh Botol	11.75562	.36425	6
	Utuh PP	11.75315	.41006	6
	Total	11.76521	.31467	24
suhu kamar hari ke-6	Daging Botol	11.11038	1.14596	6
	Daging PP	11.14853	1.18644	6
	Utuh Botol	11.67413	.42179	6
	Utuh PP	11.04063	1.08119	6
	Total	11.24342	.97487	24
suhu kamar hari ke-9	Daging Botol	11.93367	.18661	6
	Daging PP	12.27117	.19486	6
	Utuh Botol	12.03991	.17336	6
	Utuh PP	11.92554	.29305	6
	Total	12.04257	.24765	24
suhu kamar hari ke-12	Daging Botol	12.15216	.34955	6
	Daging PP	11.53336	.66422	6
	Utuh Botol	11.73095	.87082	6
	Utuh PP	11.75677	.44786	6
	Total	11.79331	.61928	24
suhu kamar hari ke-15	Daging Botol	12.04734	.21089	6
	Daging PP	12.27989	.33122	6
	Utuh Botol	12.41719	.40918	6
	Utuh PP	13.15781	3.16353	6
	Total	12.47556	1.55746	24
suhu refrigerasi hari ke-0	Daging Botol	11.62500	.44130	6
	Daging PP	11.87500	.32210	6
	Utuh Botol	11.59167	.43979	6
	Utuh PP	11.60000	.55408	6
	Total	11.67292	.43363	24
suhu refrigerasi hari ke-3	Daging Botol	11.37785	.39476	6
	Daging PP	12.11208	.31911	6
	Utuh Botol	11.83708	.33757	6
	Utuh PP	12.49855	1.24790	6
	Total	11.95639	.77029	24
suhu refrigerasi hari ke-6	Daging Botol	11.32419	1.24742	6
	Daging PP	10.73370	1.43453	6
	Utuh Botol	10.72459	1.30925	6
	Utuh PP	10.81992	1.64703	6
	Total	10.90060	1.34605	24
suhu refrigerasi hari ke-9	Daging Botol	12.10653	7.6262E-02	6
	Daging PP	12.07431	.13977	6
	Utuh Botol	11.82390	.52328	6
	Utuh PP	12.17038	.14454	6
	Total	12.04378	.29605	24
suhu refrigerasi hari ke-12	Daging Botol	11.52717	.83096	6
	Daging PP	11.57108	.68157	6
	Utuh Botol	11.72354	1.05993	6
	Utuh PP	11.69979	.74293	6
	Total	11.63039	.78900	24
suhu refrigerasi hari ke-15	Daging Botol	12.19650	.25000	6
	Daging PP	12.26301	.47020	6
	Utuh Botol	11.99414	.46452	6
	Utuh PP	12.11519	.70750	6
	Total	12.14221	.47735	24
Total	Daging Botol	11.73234	.65506	72
	Daging PP	11.79391	.76205	72
	Utuh Botol	11.74203	.70938	72
	Utuh PP	11.84481	1.26207	72
	Total	11.77827	.87771	288

Levene's Test of Equality of Error Variances^a

Dependent Variable: TS

F	df1	df2	Sig.
5.825	47	240	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+SUHU_HAR+PERLAKUA+SUHU_HAR * PERLAKUA

Tests of Between-Subjects Effects

Dependent Variable: TS

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	59.697 ^a	47	1.270	1.889	.001
Intercept	39953.577	1	39953.577	59409.412	.000
SUHU_HAR	45.398	11	4.127	6.137	.000
PERLAKUA	.583	3	.194	.289	.833
SUHU_HAR * PERLAKUA	13.716	33	.416	.618	.951
Error	161.403	240	.673		
Total	40174.677	288			
Corrected Total	221.100	287			

a. R Squared = .270 (Adjusted R Squared = .127)

Estimated Marginal Means

Grand Mean

Dependent Variable: TS

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
11.778	.048	11.683	11.873

Post Hoc Tests

Suhu_hari ke-

Homogeneous Subsets

TS

Duncan^{a,b}

Suhu hari ke-	N	Subset			
		1	2	3	4
suhu refrigerasi hari ke-6	24	10.90060			
suhu kamar hari ke-6	24	11.24342	11.24342		
suhu refrigerasi hari ke-12	24		11.63039	11.63039	
suhu kamar hari ke-0	24		11.67292	11.67292	
suhu refrigerasi hari ke-0	24		11.67292	11.67292	
suhu kamar hari ke-3	24			11.76521	
suhu kamar hari ke-12	24			11.79331	
suhu refrigerasi hari ke-3	24			11.95639	
suhu kamar hari ke-9	24			12.04257	12.04257
suhu refrigerasi hari ke-9	24			12.04378	12.04378
suhu refrigerasi hari ke-15	24			12.14221	12.14221
suhu kamar hari ke-15	24				12.47556
Sig.		.148	.098	.068	.095

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .673.

a. Uses Harmonic Mean Sample Size = 24.000.

b. Alpha = .05.

Perlakuan

Homogeneous Subsets

TS

Duncan^{a,b}

Perlakuan	N	Subset
		1
Daging Botol	72	11.73234
Utuh Botol	72	11.74203
Daging PP	72	11.79391
Utuh PP	72	11.84481
Sig.		.461

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .673.

a. Uses Harmonic Mean Sample Size = 72.000.

b. Alpha = .05.