

7. LAMPIRAN

Lampiran 1. Uji Normalitas SPSS

Tests of Normality

Konsentrasi CaCO ₃	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
Kadar_Protein	0%	,214	6	,200*	,951	6	,751
	0,5%	,277	6	,165	,879	6	,266
	1%	,202	6	,200*	,918	6	,490
	1,5%	,235	6	,200*	,850	6	,158
WHC	0%	,293	6	,117	,915	6	,473
	0,5%	,209	6	,200*	,907	6	,415
	1%	,237	6	,200*	,927	6	,554
	1,5%	,223	6	,200*	,908	6	,421
Gelasi	0%	,168	6	,200*	,938	6	,642
	0,5%	,296	6	,110	,823	6	,094
	1%	,264	6	,200*	,854	6	,170
	1,5%	,175	6	,200*	,934	6	,608
Kapasitas_Emulsi	0%	,285	6	,140	,837	6	,124
	0,5%	,194	6	,200*	,922	6	,521
	1%	,198	6	,200*	,908	6	,421
	1,5%	,227	6	,200*	,894	6	,340
Kestabilan_Emulsi	0%	,255	6	,200*	,915	6	,472
	0,5%	,165	6	,200*	,981	6	,956
	1%	,210	6	,200*	,889	6	,315
	1,5%	,265	6	,200*	,799	6	,058
Kapasitas_Foaming	0%	,278	6	,162	,812	6	,076
	0,5%	,183	6	,200*	,960	6	,820
	1%	,293	6	,117	,822	6	,091
	1,5%	,202	6	,200*	,853	6	,167
Whiteness	0%	,153	6	,200*	,981	6	,957
	0,5%	,191	6	,200*	,958	6	,808
	1%	,217	6	,200*	,967	6	,875
	1,5%	,254	6	,200*	,874	6	,243

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality

Konsentrasi CaCO ₃	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
L 0%	,201	6	,200*	,932	6	,595
0,5%	,230	6	,200*	,839	6	,129
1%	,282	6	,148	,857	6	,180
1,5%	,260	6	,200*	,857	6	,180
a 0%	,262	6	,200*	,836	6	,120
0,5%	,341	6	,028	,817	6	,082
1%	,285	6	,140	,859	6	,185
1,5%	,241	6	,200*	,880	6	,267
b 0%	,214	6	,200*	,920	6	,508
0,5%	,290	6	,124	,833	6	,113
1%	,282	6	,148	,859	6	,187
1,5%	,222	6	,200*	,908	6	,420

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Lampiran 2. Uji One Way ANOVA

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
L	Between Groups	159,519	3	53,173	105,387	,000
	Within Groups	10,091	20	,505		
	Total	169,610	23			
a	Between Groups	,127	3	,042	,626	,607
	Within Groups	1,351	20	,068		
	Total	1,478	23			
b	Between Groups	7,932	3	2,644	1,911	,160
	Within Groups	27,671	20	1,384		
	Total	35,603	23			

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kadar_Protein	Between Groups	23,367	3	7,789	51,347	,000
	Within Groups	3,034	20	,152		
	Total	26,401	23			
WHC	Between Groups	,131	3	,044	3,035	,053
	Within Groups	,288	20	,014		
	Total	,420	23			
Gelasi	Between Groups	,251	3	,084	4,053	,021
	Within Groups	,413	20	,021		
	Total	,663	23			
Kapasitas_Emulsi	Between Groups	,019	3	,006	5,418	,007
	Within Groups	,023	20	,001		
	Total	,042	23			
Kestabilan_Emulsi	Between Groups	,005	3	,002	1,611	,218
	Within Groups	,019	20	,001		
	Total	,024	23			
Kapasitas_Foaming	Between Groups	,032	3	,011	72,374	,000
	Within Groups	,003	20	,000		
	Total	,035	23			
Whiteness	Between Groups	117,520	3	39,173	131,754	,000
	Within Groups	5,946	20	,297		
	Total	123,466	23			

Lampiran 3. Post Hoc Duncan

Duncan^a

Konsentrasi CaCO ₃	N	Subset for alpha = 0.05			
		1	2	3	4
0%	6	71,3200			
0,5%	6		74,4417		
1%	6			76,5933	
1,5%	6				78,2050
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

a

Duncan^a

Konsentrasi CaCO ₃	N	Subset for alpha = 0.05
		1
0%	6	-1,3533
1%	6	-1,3267
0,5%	6	-1,2383
1,5%	6	-1,1700
Sig.		,276

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

b

Duncan^a

Konsentrasi CaCO ₃	N	Subset for alpha = 0.05	
		1	2
0%	6	8,4017	
0,5%	6	8,9667	8,9667
1%	6	9,4650	9,4650
1,5%	6		9,9483
Sig.		,153	,186

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Whiteness

Duncan^a

Konsentrasi CaCO ₃	N	Subset for alpha = 0.05			
		1	2	3	4
0%	6	70,0645			
0,5%	6		72,8742		
1%	6			74,6943	
1,5%	6				75,9513
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Kadar_ProteinDuncan^a

Konsentrasi CaCO3	N	Subset for alpha = 0.05			
		1	2	3	4
0%	6	9,6132			
0,5%	6		11,1382		
1%	6			11,6887	
1,5%	6				12,2658
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

WHCDuncan^a

Konsentrasi CaCO3	N	Subset for alpha = 0.05	
		1	2
0%	6	1,8333	
0,5%	6	1,8667	1,8667
1%	6	1,9667	1,9667
1,5%	6		2,0167
Sig.		,082	,053

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

GelasiDuncan^a

Konsentrasi CaCO3	N	Subset for alpha = 0.05	
		1	2
0%	6	3,4317	
0,5%	6		3,6250
1,5%	6		3,6333
1%	6		3,7083
Sig.		1,000	,354

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Kapasitas_EmulsiDuncan^a

Konsentrasi CaCO3	N	Subset for alpha = 0.05	
		1	2
1,5%	6	,4010	
1%	6	,4140	
0,5%	6	,4323	
0%	6		,4752
Sig.		,146	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Kestabilan_emulsiDuncan^a

Konsentrasi CaCO3	N	Subset for alpha = 0.05
		1
1,5%	6	,3894
1%	6	,3927
0,5%	6	,4059
0%	6	,4257
Sig.		,055

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

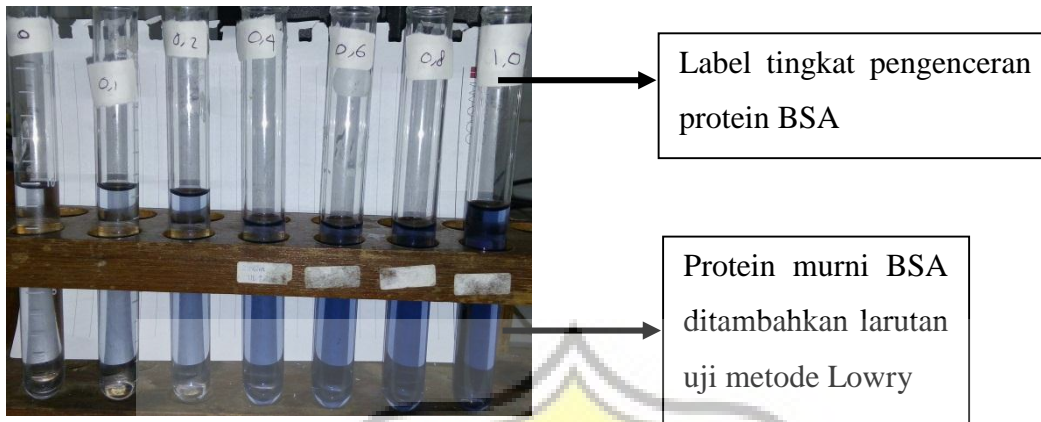
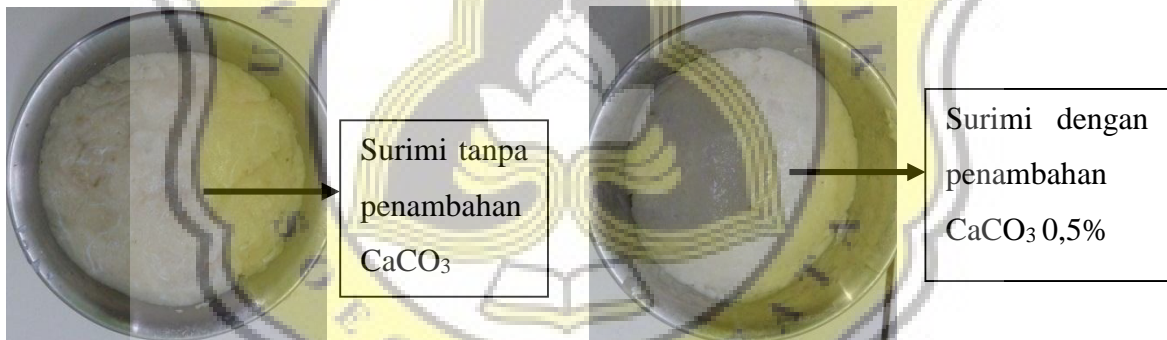
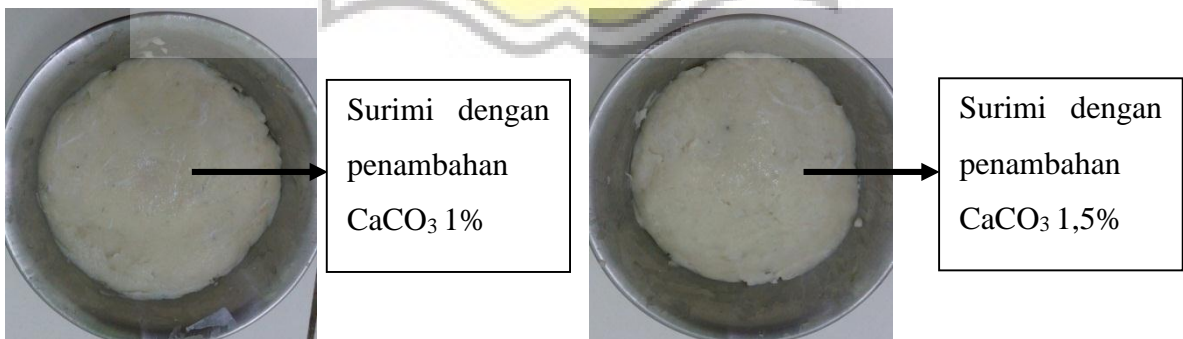
Kapasitas_FoamingDuncan^a

Konsentrasi CaCO3	N	Subset for alpha = 0.05			
		1	2	3	4
1,5%	6	,0780			
1%	6		,0927		
0,5%	6			,1165	
0%	6				,1733
Sig.		1,000	1,000	1,000	1,000

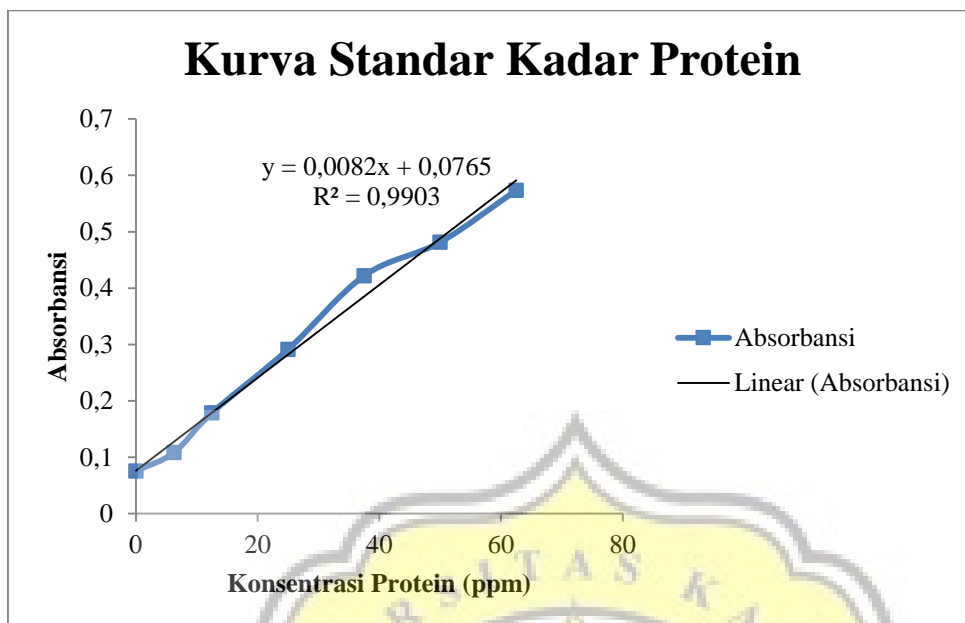
Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Lampiran 4. Gambar Hasil Uji Kurva Standar Metode Lowry

Kurva Standar Metode LowryLampiran 5. Gambar Sampel Surimi Ikan Lele Dumbo dengan Penambahan CaCO_3 **Surimi Lele Perlakuan Kontrol****Surimi Lele Penambahan CaCO_3 0,5%****Surimi Lele Penambahan CaCO_3 1%****Surimi Lele Penambahan CaCO_3 1,5%**

Lampiran 6. Grafik Kurva Standar Kadar Protein



Lampiran 7. Perhitungan Rendemen

Berat ikan lele dumbo 10 ekor = ± 2,3 kg

Berat ikan setelah difilet bersih = ± 837 gram

Berat ikan setelah dilumatkan = ± 786 gram

Berat surimi akhir = ± 384 gram

Rendemen = $\frac{384}{2300} \times 100\% = 16,69\%$

