

LAMPIRAN

Lampiran 1. 1 Hasil Uji Laboratorium



Lab. Chem-Mix Pratama

HASIL ANALISA

Nomor:008/CMP/06/2024

Laboratorium Pengujian : Laboratorium Chem-Mix Pratama

Tanggal Pengujian : 08 Juni 2024

No	Kode	Air (%)			Abu (%)		
		Ulangan 1	Ulangan 2	Ulangan 3	Ulangan 1	Ulangan 2	Ulangan 3
1	PIU1	14,5104	14,3438	14,3539	15,0179	15,2961	15,2982
2	PIU2	12,2974	12,1624	12,1871	13,2916	13,2446	13,3492
3	PIU3	11,0592	11,0834	11,1166	12,0537	12,1997	12,0521

No	Kode	Protein (%)		
		Ulangan 1	Ulangan 2	Ulangan 3
1	PIU1	10,8580	10,8093	10,8331
2	PIU2	14,4005	14,4582	14,3323
3	PIU3	17,2187	17,1203	17,3564

Diperiksa Oleh Pimpinan

Dwi Widiyantoro

Analisis

Putra Mahardika

Laboratorium : Kretek ,Jambidan ,Banguntapan ,Bantul ,Yogyakarta
Telp. 081228063145/081325271288

Lampiran 1. 2 Formulir Uji Organoleptik

UJI SENSORI NORI RUMPUT LAUT (*Eucheuma cottoni*) DAN DAUN SINGKONG D
PENAMBAHAN IKAN MARLIN

Nama :

Kelas :

Tanggal :

Indikator	Kode Sampel		
	115	225	33
Warna			
Tekstur			
Rasa			
Penampakan keseluruhan			

Keterangan :

- Amat Sangat Suka : 5

- Tidak Suka : 2

- Sangat Suka : 4

- Sangat Tidak Suka : 1

- Suka : 3

Lampiran 1. 3 Hasil Uji ANOVA dan Uji Lanjut BNT Kadar Air

Descriptives

Kadar Air

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					P1	3		
P2	3	12,2100	,07000	,04041	12,0361	12,3839	12,16	12,29
P3	3	11,0800	,03000	,01732	11,0055	11,1545	11,05	11,11
Total	9	12,5633	1,46310	,48770	11,4387	13,6880	11,05	14,51

ANOVA

Kadar Air

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	17,095	2	8,548	1721,013	,000
Within Groups	,030	6	,005		
Total	17,125	8			

Multiple Comparisons

Dependent Variable: Kadar Air

LSD

(I) Kode Sampel	(J) Kode Sampel	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	P2	2,19000*	,05754	,000	2,0492	2,3308
	P3	3,32000*	,05754	,000	3,1792	3,4608
P2	P1	-2,19000*	,05754	,000	-2,3308	-2,0492
	P3	1,13000*	,05754	,000	,9892	1,2708
P3	P1	-3,32000*	,05754	,000	-3,4608	-3,1792
	P2	-1,13000*	,05754	,000	-1,2708	-,9892

*. The mean difference is significant at the 0.05 level.

Lampiran 1. 4 Hasil Uji ANOVA dan Uji Lanjut BNT Kadar Abu

Descriptives

Kadar Abu

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					P1	3		
P2	3	13,2900	,05000	,02887	13,1658	13,4142	13,24	13,34
P3	3	15,1967	,16166	,09333	14,7951	15,5982	15,01	15,29
Total	9	13,5278	1,35738	,45246	12,4844	14,5711	12,05	15,29

ANOVA

Kadar Abu

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	14,669	2	7,335	625,710	,000
Within Groups	,070	6	,012		
Total	14,740	8			

Multiple Comparisons

Dependent Variable: Kadar Abu

LSD

(I) Kode Sampel	(J) Kode Sampel	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	P2	-1,19333*	,08840	,000	-1,4096	-,9770
	P3	-3,10000*	,08840	,000	-3,3163	-2,8837
P2	P1	1,19333*	,08840	,000	,9770	1,4096
	P3	-1,90667*	,08840	,000	-2,1230	-1,6904
P3	P1	3,10000*	,08840	,000	2,8837	3,3163
	P2	1,90667*	,08840	,000	1,6904	2,1230

*. The mean difference is significant at the 0.05 level.

Lampiran 1. 5 Hasil Uji ANOVA dan Uji Lanjut BNT Kadar Protein

Descriptives

Kadar Protein

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					P1	3		
P2	3	14,3933	,06028	,03480	14,2436	14,5431	14,33	14,45
P3	3	17,2267	,11590	,06692	16,9387	17,5146	17,12	17,35
Total	9	14,1489	2,77814	,92605	12,0134	16,2844	10,80	17,35

ANOVA

Kadar Protein

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	61,709	2	30,854	5229,567	,000
Within Groups	,035	6	,006		
Total	61,744	8			

Multiple Comparisons

Dependent Variable: Kadar Protein

LSD

(I) Kode Sampel	(J) Kode Sampel	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	P2	-3,56667*	,06272	,000	-3,7201	-3,4132
	P3	-6,40000*	,06272	,000	-6,5535	-6,2465
P2	P1	3,56667*	,06272	,000	3,4132	3,7201
	P3	-2,83333*	,06272	,000	-2,9868	-2,6799
P3	P1	6,40000*	,06272	,000	6,2465	6,5535
	P2	2,83333*	,06272	,000	2,6799	2,9868

*. The mean difference is significant at the 0.05 level.

Lampiran 1. 6 Hasil Uji ANOVA dan Uji Lanjut BNT Ketebalan

Descriptives

Parameter Ketebalan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					P1	3		
P2	3	,1667	,01155	,00667	,1380	,1954	,16	,18
P3	3	,2000	,02000	,01155	,1503	,2497	,18	,22
Total	9	,1644	,03432	,01144	,1381	,1908	,12	,22

ANOVA

Parameter Ketebalan

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	,008	2	,004	18,200	,003
Within Groups	,001	6	,000		
Total	,009	8			

Multiple Comparisons

Dependent Variable: Parameter Ketebalan

LSD

(I) Kode Sampel	(J) Kode Sampel	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
P1	P2	-,04000*	,01217	,017	-,0698	-,0102
	P3	-,07333*	,01217	,001	-,1031	-,0436
P2	P1	,04000*	,01217	,017	,0102	,0698
	P3	-,03333*	,01217	,034	-,0631	-,0036
P3	P1	,07333*	,01217	,001	,0436	,1031
	P2	,03333*	,01217	,034	,0036	,0631

*. The mean difference is significant at the 0.05 level.

Lampiran 1. 7 Hasil Uji ANOVA dan Uji Lanjut BNT Organoleptik (Warna, Aroma, Tekstur, Rasa, Overall)

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Warna	Parameter	115	3,67	,884	,161	3,34	4,00	2	5
		225	3,27	,640	,117	3,03	3,51	2	4
		335	3,33	,758	,138	3,05	3,62	2	5
	Total	90	3,42	,779	,082	3,26	3,59	2	5
Aroma	Parameter	115	3,07	,583	,106	2,85	3,28	2	4
		225	2,90	,662	,121	2,65	3,15	2	4
		335	2,73	,640	,117	2,49	2,97	2	4
	Total	90	2,90	,637	,067	2,77	3,03	2	4
Tekstur	Parameter	115	2,67	,758	,138	2,38	2,95	2	5
		225	2,37	,615	,112	2,14	2,60	1	4
		335	2,37	,490	,089	2,18	2,55	2	3
	Total	90	2,47	,640	,067	2,33	2,60	1	5
Rasa	Parameter	115	3,10	,712	,130	2,83	3,37	2	5
		225	2,43	,626	,114	2,20	2,67	1	3
		335	2,20	,761	,139	1,92	2,48	1	4
	Total	90	2,58	,793	,084	2,41	2,74	1	5
Overall	Parameter	115	3,13	,571	,104	2,92	3,35	2	4
		225	2,67	,479	,088	2,49	2,85	2	3
		335	2,47	,629	,115	2,23	2,70	1	4
	Total	90	2,76	,624	,066	2,62	2,89	1	4

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Parameter Warna	Between Groups	2,756	2	1,378	2,341	,102
	Within Groups	51,200	87	,589		
	Total	53,956	89			
Parameter Aroma	Between Groups	1,667	2	,833	2,106	,128
	Within Groups	34,433	87	,396		
	Total	36,100	89			
Parameter Tekstur	Between Groups	1,800	2	,900	2,263	,110
	Within Groups	34,600	87	,398		
	Total	36,400	89			
Parameter Rasa	Between Groups	13,089	2	6,544	13,282	,000
	Within Groups	42,867	87	,493		
	Total	55,956	89			
Parameter Overall	Between Groups	7,022	2	3,511	11,068	,000
	Within Groups	27,600	87	,317		
	Total	34,622	89			

Multiple Comparisons

LSD

Dependent Variable	(I) Sampel	(J) Sampel	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Parameter Warna	115	225	,400*	,198	,047	,01	,79
		335	,333	,198	,096	-,06	,73
	225	115	-,400*	,198	,047	-,79	-,01
		335	-,067	,198	,737	-,46	,33
	325	115	-,333	,198	,096	-,73	,06
		225	,067	,198	,737	-,33	,46
Parameter Aroma	115	225	,167	,162	,308	-,16	,49
		335	,333*	,162	,043	,01	,66
	225	115	-,167	,162	,308	-,49	,16
		335	,167	,162	,308	-,16	,49
	325	115	-,333*	,162	,043	-,66	-,01
		225	-,167	,162	,308	-,49	,16
Parameter Tekstur	115	225	,300	,163	,069	-,02	,62
		335	,300	,163	,069	-,02	,62
	225	115	-,300	,163	,069	-,62	,02
		335	,000	,163	1,000	-,32	,32
	325	115	-,300	,163	,069	-,62	,02
		225	,000	,163	1,000	-,32	,32
Parameter Rasa	115	225	,667*	,181	,000	,31	1,03
		335	,900*	,181	,000	,54	1,26
	225	115	-,667*	,181	,000	-1,03	-,31
		335	,233	,181	,201	-,13	,59
	325	115	-,900*	,181	,000	-1,26	-,54
		225	-,233	,181	,201	-,59	,13
Parameter Overall	115	225	,467*	,145	,002	,18	,76
		335	,667*	,145	,000	,38	,96
	225	115	-,467*	,145	,002	-,76	-,18
		335	,200	,145	,173	-,09	,49
	325	115	-,667*	,145	,000	-,96	-,38
		225	-,200	,145	,173	-,49	,09

*. The mean difference is significant at the 0.05 level.

Lampiran 1. 8 Dokumentasi Uji Organoleptik



Lampiran 1. 9 Hasil Produk Nori

