

DAFTAR LAMPIRAN

Lampiran 1. Hasil Uji Laboratorium



Lab. Chem-Mix Pratama

HASIL ANALISA
Nomor:008CMP/06/2024
Laboratorium Pengujian : Laboratorium Chem-Mix Pratama
Tanggal Pengujian : 08 Juni 2024

No	Kode	Air (%)		Abu (%)		Gula Reduksi (%)	
		Ulangan 1	Ulangan 2	Ulangan 1	Ulangan 2	Ulangan 1	Ulangan 2
1	15g	34,3048	34,6096	0,0325	0,0237	1,0846	1,0846
2	20g	34,2621	34,6516	0,0464	0,0410	0,6993	0,6993
3	25g	35,9681	35,4429	0,0517	0,0515	0,4932	0,4904
4	30g	37,6575	37,8741	0,0890	0,0949	0,3594	0,3538

No	Kode	Hardness (N)		Gumminess (N)		Chewiness (N)	
		Ulangan 1	Ulangan 2	Ulangan 1	Ulangan 2	Ulangan 1	Ulangan 2
1	15g	8,8470	8,4776	6,8066	7,2739	6,4629	6,4758
2	20g	15,5390	18,0060	14,7460	16,1800	14,3020	15,9230
3	25g	17,3060	18,5850	16,0640	15,4870	15,0950	16,2480
4	30g	20,4350	19,9340	18,2008	17,6190	17,5938	18,3374

No	Kode	Cohesiveness		Adhesiveness	
		Ulangan 1	Ulangan 2	Ulangan 1	Ulangan 2
1	15g	0,7784	0,8580	0,3121	0,2811
2	20g	0,9489	0,8985	0,4019	0,4139
3	25g	0,9282	0,9370	0,1166	0,1400
4	30g	0,8046	0,8338	0,2406	0,1385




Diperiksa Oleh Pengumpul
Dwi Widyaningrum

Analisis
Patra Mahardika

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Lampiran 2. Hasil Analisa Kadar Air

Descriptives

Kadar Air

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					15g	2		
20g	2	34,456850	,2754181	,1947500	31,982317	36,931383	34,2621	34,6516
25g	2	35,705500	,3713725	,2626000	32,368851	39,042149	35,4429	35,9681
30g	2	37,765800	,1531593	,1083000	36,389718	39,141882	37,6575	37,8741
Total	8	35,596338	1,4595881	,5160423	34,376091	36,816584	34,2621	37,8741

ANOVA

Kadar Air

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	14,629	3	4,876	68,758	,001
Within Groups	,284	4	,071		
Total	14,913	7			

Kadar Air

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
15g	2	34,456850		
20g	2	34,457200		
25g	2		35,705500	
30g	2			37,765800
Sig.		,999	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Lampiran 3. Hasil Analisa Kadar Abu

Descriptives

Kadar Abu

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					15g	2		
20g	2	,043700	,0038184	,0027000	,009393	,078007	,0410	,0464
25g	2	,051600	,0001414	,0001000	,050329	,052871	,0515	,0517
30g	2	,091950	,0041719	,0029500	,054467	,129433	,0890	,0949
Total	8	,053838	,0254003	,0089804	,032602	,075073	,0237	,0949

ANOVA

Kadar Abu

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,004	3	,001	83,808	,000
Within Groups	,000	4	,000		
Total	,005	7			

Kadar Abu

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
15g	2	,028100		
20g	2		,043700	
25g	2		,051600	
30g	2			,091950
Sig.		1,000	,133	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Lampiran 4. Hasil Analisa Gula Reduksi

Descriptives

Gula Reduksi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					15g	2		
20g	2	,69930	,000000	,000000	,69930	,69930	,699	,699
25g	2	,49180	,001980	,001400	,47401	,50959	,490	,493
30g	2	,35660	,003960	,002800	,32102	,39218	,354	,359
Total	8	,65808	,293826	,103883	,41243	,90372	,354	1,085

ANOVA

Gula Reduksi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,604	3	,201	41109,881	,000
Within Groups	,000	4	,000		
Total	,604	7			

Gula Reduksi

Duncan

Kode Sampel	N	Subset for alpha = 0.05			
		1	2	3	4
30g	2	,35660			
25g	2		,49180		
20g	2			,69930	
15g	2				1,08460
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Lampiran 5. Hasil Analisa Tingkat Kekenyalan

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
Hardness	15g	2	8,6550	,26163	,18500	6,3044	11,0056	8,47	8,84
	20g	2	16,7650	1,74655	1,23500	1,0728	32,4572	15,53	18,00
	25g	2	17,9400	,90510	,64000	9,8080	26,0720	17,30	18,58
	30g	2	20,1800	,35355	,25000	17,0034	23,3566	19,93	20,43
	Total	8	15,8850	4,71317	1,66636	11,9447	19,8253	8,47	20,43
Gumminess	15g	2	7,0750	,27577	,19500	4,5973	9,5527	6,88	7,27
	20g	2	15,4600	1,01823	,72000	6,3115	24,6085	14,74	16,18
	25g	2	15,7700	,41012	,29000	12,0852	19,4548	15,48	16,06
	30g	2	17,9050	,41719	,29500	14,1567	21,6533	17,61	18,20
	Total	8	14,0525	4,44605	1,57192	10,3355	17,7695	6,88	18,20
Chewiness	15g	2	6,4350	,04950	,03500	5,9903	6,8797	6,40	6,47
	20g	2	15,1100	1,14551	,81000	4,8180	25,4020	14,30	15,92
	25g	2	15,6650	,81317	,57500	8,3589	22,9711	15,09	16,24
	30g	2	17,9600	,52326	,37000	13,2587	22,6613	17,59	18,33
	Total	8	13,7925	4,71677	1,66763	9,8492	17,7358	6,40	18,33

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Hardness	Between Groups	151,435	3	50,478	49,694	,001
	Within Groups	4,063	4	1,016		
	Total	155,498	7			
Gumminess	Between Groups	136,916	3	45,639	125,459	,000
	Within Groups	1,455	4	,364		
	Total	138,371	7			
Chewiness	Between Groups	153,486	3	51,162	90,967	,000
	Within Groups	2,250	4	,562		
	Total	155,736	7			

Hardness

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
15g	2	8,6550		
20g	2		16,7650	
25g	2		17,9400	17,9400
30g	2			20,1800
Sig.		1,000	,308	,090

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Gumminess

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
15g	2	7,0750		
20g	2		15,4600	
25g	2		15,7700	
30g	2			17,9050
Sig.		1,000	,634	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Chewiness

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
15g	2	6,4350		
20g	2		15,1100	
25g	2		15,6650	
30g	2			17,9600
Sig.		1,000	,500	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Lampiran 6. Hasil Uji Organoleptik

Descriptives

Formulasi Warna

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					Kode 199	25		
Kode 245	25	3.1600	.89815	.17963	2.7893	3.5307	1.00	5.00
Kode 325	25	3.3600	.81035	.16207	3.0255	3.6945	2.00	4.00
Kode 455	25	3.7600	.92556	.18511	3.3779	4.1421	2.00	5.00
Total	100	3.3500	.86894	.08689	3.1776	3.5224	1.00	5.00

ANOVA

Formulasi Warna

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6.430	3	2.143	3.012	.034
Within Groups	68.320	96	.712		
Total	74.750	99			

Formulasi Warna

Duncan^a

Kode	N	Subset for alpha = 0.05	
		1	2
Kode 199	25	3.1200	
Kode 245	25	3.1600	
Kode 325	25	3.3600	3.3600
Kode 455	25		3.7600
Sig.		.348	.097

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.

Descriptives

Formulasi Tekstur

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					Kode 199	25		
Kode 245	25	3.4400	.76811	.15362	3.1229	3.7571	2.00	5.00
Kode 325	25	3.6000	.81650	.16330	3.2630	3.9370	2.00	5.00
Kode 455	25	3.2000	.91287	.18257	2.8232	3.5768	1.00	4.00
Total	100	3.3600	.87062	.08706	3.1873	3.5327	1.00	5.00

ANOVA

Formulasi Tekstur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.880	3	.960	1.277	.287
Within Groups	72.160	96	.752		
Total	75.040	99			

Descriptives

Formulasi Rasa

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					Kode 199	25		
Kode 245	25	3.0800	.70238	.14048	2.7901	3.3699	2.00	4.00
Kode 325	25	3.2800	.97980	.19596	2.8756	3.6844	2.00	5.00
Kode 455	25	3.2000	.81650	.16330	2.8630	3.5370	2.00	4.00
Total	100	3.2100	.84441	.08444	3.0425	3.3775	1.00	5.00

ANOVA

Formulasi Rasa

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.670	3	.223	.307	.821
Within Groups	69.920	96	.728		
Total	70.590	99			

Descriptives

Formulasi Aroma

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kode 199	25	3.3200	.62716	.12543	3.0611	3.5789	2.00	4.00
Kode 245	25	3.1600	.55377	.11075	2.9314	3.3886	2.00	4.00
Kode 325	25	3.6000	.70711	.14142	3.3081	3.8919	2.00	5.00
Kode 455	25	3.5600	1.04403	.20881	3.1290	3.9910	1.00	5.00
Total	100	3.4100	.76667	.07667	3.2579	3.5621	1.00	5.00

ANOVA

Formulasi Aroma

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.230	3	1.077	1.881	.138
Within Groups	54.960	96	.573		
Total	58.190	99			

Lampiran 7. Dokumentasi Uji Organoleptik

