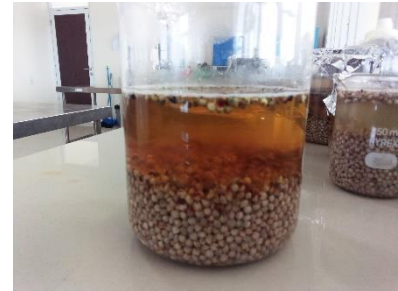


LAMPIRAN

6.1. Penelitian (Proses Pembuatan)

6.1.1. Tepung Sorgum



6.1.2. Sereal





6.2. Uji Organoleptik



6.3. Hasil Pengujian Tanin Tepung Sorgum





Lab. Chem-Mix Pratama

HASIL ANALISA
Nomor:007/CMP/06/2024

Laboratorium Pengujian : Laboratorium Chem-Mix Pratama
Tanggal Pengujian : 07 Juni 2024

No	Kode	Tanin (%)	
		Ulangan 1	Ulangan 2
1	PB	0,2349	0,2368
2	PN	0,1967	0,1988

Diperiksa Oleh Pimpin

Dwi Widiyantoro

Analisis

Putra Mahardika

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

6.4. Hasil Analisa Statistik

6.4.1. Protein

Descriptives

Aspek Protein

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
PA	3	8.3867	.26577	.15344	7.7265	9.0469	8.11	8.64
PB	3	9.2533	.60468	.34911	7.7512	10.7554	8.58	9.75
PC	3	9.3833	.49410	.28527	8.1559	10.6107	8.93	9.91
PD	3	14.1633	3.71258	2.14346	4.9408	23.3859	10.20	17.56
Total	12	10.2967	2.86821	.82798	8.4743	12.1190	8.11	17.56

ANOVA

Aspek Protein

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	61.566	3	20.522	5.675	.022
Within Groups	28.927	8	3.616		
Total	90.493	11			

Aspek Protein

Duncan^a

Ulangan	N	Subset for alpha = 0.05	
		1	2
PA	3	8.3867	
PB	3	9.2533	
PC	3	9.3833	
PD	3		14.1633
Sig.		.555	1.000

6.4.2. Signifikansi Uji Organoleptik

Warna	0,010
Aroma	0,966
Tekstur	0,001

Rasa	0,364
<i>Overall</i>	0,077

6.4.3. Warna

Descriptives

Aspek Warna

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Acuan Kode 301	30	4.4667	1.35782	.24790	3.9596	4.9737	2.00	6.00
Acuan Kode 927	30	5.0333	1.06620	.19466	4.6352	5.4315	4.00	7.00
Acuan Kode 386	30	5.3333	1.24106	.22659	4.8699	5.7968	3.00	7.00
Acuan Kode 214	30	4.4667	1.04166	.19018	4.0777	4.8556	2.00	6.00
Total	120	4.8250	1.22757	.11206	4.6031	5.0469	2.00	7.00

ANOVA

Aspek Warna

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	16.758	3	5.586	3.986	.010
Within Groups	162.567	116	1.401		
Total	179.325	119			

Aspek Warna

Duncan^a

Formula	N	Subset for alpha = 0.05	
		1	2
Acuan Kode 301	30	4.4667	
Acuan Kode 214	30	4.4667	
Acuan Kode 927	30	5.0333	5.0333
Acuan Kode 386	30		5.3333
Sig.		.082	.328

6.4.4. Aroma

Descriptives

Aspek Aroma

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Acuan Kode 301	30	5.0000	1.08278	.19769	4.5957	5.4043	2.00	6.00
Acuan Kode 927	30	4.9333	1.28475	.23456	4.4536	5.4131	2.00	7.00
Acuan Kode 386	30	5.0667	1.22990	.22455	4.6074	5.5259	3.00	7.00
Acuan Kode 214	30	5.0667	1.08066	.19730	4.6631	5.4702	3.00	7.00
Total	120	5.0167	1.15942	.10584	4.8071	5.2262	2.00	7.00

ANOVA

Aspek Aroma

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.367	3	.122	.089	.966
Within Groups	159.600	116	1.376		
Total	159.967	119			

6.4.5. Tekstur

Descriptives

Aspek Tekstur

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Acuan Kode 301	30	5.4333	1.47819	.26988	4.8814	5.9853	2.00	7.00
Acuan Kode 927	30	5.1667	1.41624	.25857	4.6378	5.6955	2.00	7.00
Acuan Kode 386	30	4.0333	1.37674	.25136	3.5193	4.5474	2.00	7.00
Acuan Kode 214	30	5.0000	1.20344	.21972	4.5506	5.4494	2.00	7.00
Total	120	4.9083	1.45519	.13284	4.6453	5.1714	2.00	7.00

ANOVA

Aspek Tekstur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	33.492	3	11.164	5.927	.001
Within Groups	218.500	116	1.884		
Total	251.992	119			

Aspek Tekstur

Duncan^a

Formula	N	Subset for alpha = 0.05	
		1	2
Acuan Kode 386	30	4.0333	
Acuan Kode 214	30		5.0000
Acuan Kode 927	30		5.1667
Acuan Kode 301	30		5.4333
Sig.		1.000	.253

6.4.6. Rasa

Descriptives

Aspek Rasa

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Acuan Kode 301	30	5.6333	1.47352	.26903	5.0831	6.1836	2.00	7.00
Acuan Kode 927	30	5.1000	1.37339	.25075	4.5872	5.6128	1.00	7.00
Acuan Kode 386	30	5.2000	1.44795	.26436	4.6593	5.7407	2.00	7.00
Acuan Kode 214	30	5.0667	1.22990	.22455	4.6074	5.5259	3.00	7.00
Total	120	5.2500	1.38570	.12650	4.9995	5.5005	1.00	7.00

ANOVA

Aspek Rasa

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6.167	3	2.056	1.072	.364
Within Groups	222.333	116	1.917		
Total	228.500	119			

6.4.7. Overall

Descriptives

Aspek Overall

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Acuan Kode 301	30	5.4000	1.03724	.18937	5.0127	5.7873	3.00	7.00
Acuan Kode 927	30	5.2333	1.07265	.19584	4.8328	5.6339	3.00	7.00
Acuan Kode 386	30	4.7000	1.29055	.23562	4.2181	5.1819	2.00	7.00
Acuan Kode 214	30	5.0000	.90972	.16609	4.6603	5.3397	4.00	7.00
Total	120	5.0833	1.10449	.10083	4.8837	5.2830	2.00	7.00

ANOVA

Aspek Overall

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.300	3	2.767	2.345	.077
Within Groups	136.867	116	1.180		
Total	145.167	119			

BIODATA PENULIS

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Jurusan/Program Studi : Rekayasa Mesin dan Industri Pertanian/D-IV
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Alamat : Tunjung Lor Jatilawang Banyumas
Telepon/Hp : 085798987820
Motto : "Aku membahayakan nyawa Ibu untuk lahir ke dunia, jadi tidak mungkin aku tidak ada artinya"

Riwayat Pendidikan:

Jenjang	Nama Instansi	Jurusan	Lama/Tahun
SD	MII Nurul Huda Karang Kandri	-	2007-2013
SMP	SMP Ya Bakii 2 Kesugihan	-	2013 -2016
SMA	SMA Nusantara Cilacap	IPS	2016 – 2019
Perguruan Tinggi	Politeknik Negeri Cilacap	Rekayasa Mesin dan Industri Pertanian/D-IV Pengembangan Produk Agroindustri	2020 - 2024

Penelitian telah mengikuti Seminar Tugas Akhir pada tanggal 8 Agustus 2024, sebagai salah satu persyaratan untuk memperoleh gelar Sarjana Terapan (S.Tr).