7. LAMPIRAN

7.1. Lampiran 1a. Aktivitas Antioksidan (% *Dry Basis*) Mi Basah Pasca Perebusan

Perlakuan	*Inhibition* (% *Dry Basis*)
Mi Basah Angkak 0%	3,2121 ± 0,3138[a]
Mi Basah Angkak 30%	3,7287 ± 0,3734[b]
Mi Basah Angkak 60%	4,6259 ± 0,4415[c]
Mi Basah Angkak 90%	5,5070 ± 0,4805[d]

7.2. Lampiran 1b. Aktivitas Antioksidan (% *Dry Basis*) Mi Kering Pasca Perebusan

Perlakuan	*Inhibition* (% *Dry Basis*)
Mi Kering Angkak 0%	2,4997 ± 0,2317[a]
Mi Kering Angkak 30%	3,2304 ± 0,3323[b]
Mi Kering Angkak 60%	4,1476 ± 0,4400[c]
Mi Kering Angkak 90%	5,2363 ± 0,5535[d]

7.3. Lampiran 2a. Kadar Air (% *Dry Basis*) Mi Basah Pasca Perebusan

Perlakuan	Kadar Air (% *Dry Basis*)
Mi Basah Angkak 0%	185,254 ± 7,288[b]
Mi Basah Angkak 30%	178,628 ± 3,312[a]
Mi Basah Angkak 60%	186,138 ± 5,699[b]
Mi Basah Angkak 90%	198,113 ± 1,813[c]

7.4. Lampiran 2b. Kadar Air (% *Dry Basis*) Mi Kering Pasca Perebusan

Perlakuan	Kadar Air (% *Dry Basis*)
Mi Kering Angkak 0%	196,718 ± 6,020[b]
Mi Kering Angkak 30%	171,014 ± 1,240[a]
Mi Kering Angkak 60%	203,166 ± 18,070[b]
Mi Kering Angkak 90%	212,155 ± 16,199[b]

7.5. Lampiran 3a. Hasil Analisa pH Mi Basah Pasca Perebusan

Perlakuan	pH
Mi Basah Angkak 0%	8,32 ± 0,04[a]
Mi Basah Angkak 30%	8,36 ± 0,03[a]
Mi Basah Angkak 60%	8,36 ± 0,06[a]
Mi Basah Angkak 90%	8,35 ± 0,09[a]

7.6. Lampiran 3b. Hasil Analisa pH Mi Kering Pasca Perebusan

Perlakuan	pH
Mi Kering Angkak 0%	8,31 ± 0,07[a]
Mi Kering Angkak 30%	8,33 ± 0,08[a]
Mi Kering Angkak 60%	8,31 ± 0,08[a]
Mi Kering Angkak 90%	8,34 ± 0,02[a]

7.7. Lampiran 4. Hasil Pengolahan SPSS

7.7.1. Normalitas

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Aktivitas Antioksidan (WB)	.100	48	.200*	.963	48	.138
Aktivitas Antioksidan (DB)	.100	48	.200*	.963	48	.137
Kadar Air (WB)	.087	48	.200*	.950	48	.039
Kadar Air (DB)	.102	48	.200*	.929	48	.007
Warna (L)	.121	48	.074	.922	48	.003
Warna (a*)	.127	48	.051	.907	48	.001
Warna (b*)	.119	48	.084	.927	48	.005
Tensile Strengh	.122	48	.071	.937	48	.012
pH	.106	48	.200*	.971	48	.269

a. Lilliefors Significance Correction

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

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Warna	.156	240	.000	.924	240	.000
Tekstur	.162	240	.000	.924	240	.000
Overall	.148	240	.000	.927	240	.000

a. Lilliefors Significance Correction

7.7.2. Karakteristik Kimia

7.7.2.1. Aktivitas Antioksidan

a. Mi Basah

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aktivitas Antioksidan (WB)	Between Groups	18.160	3	6.053	36.977	.000
	Within Groups	3.274	20	.164		
	Total	21.434	23			
Aktivitas Antioksidan (DB)	Between Groups	18.413	3	6.138	36.988	.000
	Within Groups	3.319	20	.166		
	Total	21.732	23			

Post Hoc Tests

Aktivitas Antioksidan (WB)

Duncan

		Subset for alpha = 0.05			
Perlakuan	N	1	2	3	4
Mi Basah Angkak 0%	6	3.191267E0			
Mi Basah Angkak 30%	6		3.704733E0		
Mi Basah Angkak 60%	6			4.595767E0	
Mi Basah Angkak 90%	6				5.470350E0
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Aktivitas Antioksidan (DB)

Duncan

		Subset for alpha = 0.05			
Perlakuan	N	1	2	3	4
Mi Basah Angkak 0%	6	3.212117E0			
Mi Basah Angkak 30%	6		3.728650E0		
Mi Basah Angkak 60%	6			4.625883E0	
Mi Basah Angkak 90%	6				5.506967E0
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

b. Mi Kering

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aktivitas Antioksidan (WB)	Between Groups	24.827	3	8.276	50.590	.000
	Within Groups	3.272	20	.164		
	Total	28.099	23			
Aktivitas Antioksidan (DB)	Between Groups	25.183	3	8.394	50.556	.000
	Within Groups	3.321	20	.166		
	Total	28.504	23			

Post Hoc Tests

Aktivitas Antioksidan (WB)

Duncan

		Subset for alpha = 0.05			
Perlakuan	N	1	2	3	4
Mi Kering Angkak 0%	6	2.483133E0			
Mi Kering Angkak 30%	6		3.210000E0		
Mi Kering Angkak 60%	6			4.119783E0	
Mi Kering Angkak 90%	6				5.200717E0
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Aktivitas Antioksidan (DB)

Duncan

		Subset for alpha = 0.05			
Perlakuan	N	1	2	3	4
Mi Kering Angkak 0%	6	2.499700E0			
Mi Kering Angkak 30%	6		3.230400E0		
Mi Kering Angkak 60%	6			4.147617E0	
Mi Kering Angkak 90%	6				5.236283E0
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.7.2.2. Kadar Air

a. Mi Basah

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kadar Air (WB)	Between Groups	17.125	3	5.708	15.150	.000
	Within Groups	7.536	20	.377		
	Total	24.661	23			
Kadar Air (DB)	Between Groups	1184.243	3	394.748	15.813	.000
	Within Groups	499.258	20	24.963		
	Total	1683.500	23			

Post Hoc Tests

Kadar Air (WB)

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Mi Basah Angkak 30%	6	6.41057E1		
Mi Basah Angkak 0%	6		6.49247E1	
Mi Basah Angkak 60%	6		6.50403E1	
Mi Basah Angkak 90%	6			6.64547E1
Sig.		1.000	.748	1.000

Means for groups in homogeneous subsets are displayed.

Kadar Air (DB)

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Mi Basah Angkak 30%	6	1.7863E2		
Mi Basah Angkak 0%	6		1.8525E2	
Mi Basah Angkak 60%	6		1.8614E2	
Mi Basah Angkak 90%	6			1.9811E2
Sig.		1.000	.762	1.000

Means for groups in homogeneous subsets are displayed.

b. Mi Kering

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kadar Air (WB)	Between Groups	5621.613	3	1873.871	11.960	.000
	Within Groups	3133.502	20	156.675		
	Total	8755.115	23			
Kadar Air (DB)	Between Groups	77.411	3	25.804	14.456	.000
	Within Groups	35.699	20	1.785		
	Total	113.110	23			

Post Hoc Tests

Kadar Air (WB)

Duncan

		Subset for alpha = 0.05	
Perlakuan	N	1	2
Mi Kering Angkak 30%	6	1.71014E2	
Mi Kering Angkak 0%	6		1.96718E2
Mi Kering Angkak 60%	6		2.03166E2
Mi Kering Angkak 90%	6		2.12155E2
Sig.		1.000	.055

Means for groups in homogeneous subsets are displayed.

Kadar Air (DB)

Duncan

		Subset for alpha = 0.05	
Perlakuan	N	1	2
Mi Kering Angkak 30%	6	63.10083	
Mi Kering Angkak 0%	6		66.28633
Mi Kering Angkak 60%	6		66.91700
Mi Kering Angkak 90%	6		67.89300
Sig.		1.000	.061

Means for groups in homogeneous subsets are displayed.

7.7.2.3. pH

a. Mi Basah

ANOVA

pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.006	3	.002	.571	.641
Within Groups	.069	20	.003		
Total	.075	23			

Post Hoc Tests

pH

Duncan

Perlakuan	N	Subset for alpha = 0.05
		1
Mi Basah Angkak 0%	6	8.3183
Mi Basah Angkak 90%	6	8.3517
Mi Basah Angkak 30%	6	8.3550
Mi Basah Angkak 60%	6	8.3567
Sig.		.314

Means for groups in homogeneous subsets are displayed.

b. Mi Kering

ANOVA

pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.005	3	.002	.371	.775
Within Groups	.091	20	.005		
Total	.096	23			

Post Hoc Tests

pH

Duncan

Perlakuan	N	Subset for alpha = 0.05
		1
Mi Kering Angkak 60%	6	8.3067
Mi Kering Angkak 0%	6	8.3083
Mi Kering Angkak 30%	6	8.3283
Mi Kering Angkak 90%	6	8.3417
Sig.		.422

Means for groups in homogeneous subsets are displayed.

7.7.3. Karakteristik Fisik

7.7.3.1. Warna

a. Mi Basah

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Warna (L)	Between Groups	51.356	3	17.119	74.143	.000
	Within Groups	4.618	20	.231		
	Total	55.974	23			
Warna (a*)	Between Groups	146.279	3	48.760	808.286	.000
	Within Groups	1.207	20	.060		
	Total	147.486	23			
Warna (b*)	Between Groups	77.091	3	25.697	54.834	.000
	Within Groups	9.373	20	.469		
	Total	86.463	23			

Post Hoc Tests

Warna (L)

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Basah Angkak 90%	6	57.5050			
Mi Basah Angkak 60%	6		58.9767		
Mi Basah Angkak 30%	6			59.9150	
Mi Basah Angkak 0%	6				61.5333
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Warna (a*)

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Basah Angkak 0%	6	-.3867			
Mi Basah Angkak 30%	6		1.4533		
Mi Basah Angkak 60%	6			4.3150	
Mi Basah Angkak 90%	6				5.9817
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Warna (b*)

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Mi Basah Angkak 30%	6	9.0133	
Mi Basah Angkak 0%	6		12.6250
Mi Basah Angkak 90%	6		13.3100
Mi Basah Angkak 60%	6		13.3583
Sig.		1.000	.093

Means for groups in homogeneous subsets are displayed.

b. Mi Kering

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Warna (L)	Between Groups	19.368	3	6.456	24.858	.000
	Within Groups	5.194	20	.260		
	Total	24.563	23			
Warna (a*)	Between Groups	143.158	3	47.719	380.544	.000
	Within Groups	2.508	20	.125		
	Total	145.666	23			
Warna (b*)	Between Groups	24.815	3	8.272	45.258	.000
	Within Groups	3.655	20	.183		
	Total	28.470	23			

Post Hoc Tests

Warna (L)

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Mi Kering Angkak 60%	6	57.4967		
Mi Kering Angkak 90%	6	57.5533		
Mi Kering Angkak 30%	6		58.3367	
Mi Kering Angkak 0%	6			59.7233
Sig.		.849	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Warna (a*)

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Kering Angkak 0%	6	-.8167			
Mi Kering Angkak 30%	6		1.4267		
Mi Kering Angkak 60%	6			3.9100	
Mi Kering Angkak 90%	6				5.6183
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Warna (b*)

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Kering Angkak 30%	6	11.0950			
Mi Kering Angkak 60%	6		12.6717		
Mi Kering Angkak 90%	6			13.2383	
Mi Kering Angkak 0%	6				13.8267
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.7.3.2. *Tensile Strength*

a. Mi Basah

ANOVA

Tensile Strengh

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.003	3	.001	38.315	.000
Within Groups	.001	36	.000		
Total	.004	39			

Post Hoc Tests

Tensile Strengh

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Basah Angkak 90%	10	.0937650			
Mi Basah Angkak 60%	10		.1027380		
Mi Basah Angkak 30%	10			.1092190	
Mi Basah Angkak 0%	10				.1177480
Sig.		1.000	1.000	1.000	1.000

Tensile Strengh

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Basah Angkak 90%	10	.0937650			
Mi Basah Angkak 60%	10		.1027380		
Mi Basah Angkak 30%	10			.1092190	
Mi Basah Angkak 0%	10				.1177480
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

b. Mi Kering

ANOVA

Tensile Strengh

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.010	3	.003	68.300	.000
Within Groups	.002	36	.000		
Total	.012	39			

Post Hoc Tests

Tensile Strengh

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Mi Kering Angkak 90%	10	.1051680			
Mi Kering Angkak 60%	10		.1128330		
Mi Kering Angkak 30%	10			.1350100	
Mi Kering Angkak 0%	10				.1443400
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.7.4. Sensori

7.7.4.1. Mi Basah

Kruskal-Wallis Test

Test Statistics[a,b]

	Warna	Tekstur	Overall
Chi-Square	16.617	31.958	31.065
df	3	3	3
Asymp. Sig.	.001	.000	.000

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

Mann-Whitney Test

a. Angkak 0% VS Angkak 30%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	305.000	294.000	267.000
Wilcoxon W	770.000	759.000	732.000
Z	-2.211	-2.383	-2.790
Asymp. Sig. (2-tailed)	.027	.017	.005

a. Grouping Variable: Perlakuan

b. Angkak 0% VS Angkak 60%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	205.000	117.500	118.500
Wilcoxon W	670.000	582.500	583.500
Z	-3.692	-5.017	-4.985
Asymp. Sig. (2-tailed)	.000	.000	.000

a. Grouping Variable: Perlakuan

c. Angkak 0% VS Angkak 90%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	286.000	185.500	204.000
Wilcoxon W	751.000	650.500	669.000
Z	-2.487	-4.007	-3.718
Asymp. Sig. (2-tailed)	.013	.000	.000

a. Grouping Variable: Perlakuan

d. Angkak 30% VS Angkak 60%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	277.500	236.000	229.000
Wilcoxon W	742.500	701.000	694.000
Z	-2.639	-3.233	-3.333
Asymp. Sig. (2-tailed)	.008	.001	.001

a. Grouping Variable: Perlakuan

e. Angkak 30% VS Angkak 90%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	383.000	336.500	358.000
Wilcoxon W	848.000	801.500	823.000
Z	-1.013	-1.715	-1.393
Asymp. Sig. (2-tailed)	.311	.086	.163

a. Grouping Variable: Perlakuan

f. Angkak 60% VS Angkak 90%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	378.500	321.500	335.500
Wilcoxon W	843.500	786.500	800.500
Z	-1.078	-1.971	-1.727
Asymp. Sig. (2-tailed)	.281	.049	.084

a. Grouping Variable: Perlakuan

7.7.4.2. Mi Kering

Kruskal-Wallis Test

Test Statistics[a,b]

	Warna	Tekstur	Overall
Chi-Square	4.760	25.324	17.119
df	3	3	3
Asymp. Sig.	.190	.000	.001

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

Mann-Whitney Test

a. Angkak 0% VS Angkak 30%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	341.500	449.000	400.000
Wilcoxon W	806.500	914.000	865.000
Z	-1.651	-.015	-.762
Asymp. Sig. (2-tailed)	.099	.988	.446

a. Grouping Variable: Perlakuan

b. Angkak 0% VS Angkak 60%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	306.500	197.000	230.000
Wilcoxon W	771.500	662.000	695.000
Z	-2.187	-3.819	-3.322
Asymp. Sig. (2-tailed)	.029	.000	.001

a. Grouping Variable: Perlakuan

c. Angkak 0% VS Angkak 90%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	383.500	245.500	268.000
Wilcoxon W	848.500	710.500	733.000
Z	-1.008	-3.086	-2.768
Asymp. Sig. (2-tailed)	.313	.002	.006

a. Grouping Variable: Perlakuan

d. Angkak 30% VS Angkak 60%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	410.000	189.500	254.000
Wilcoxon W	875.000	654.500	719.000
Z	-.610	-3.949	-2.992
Asymp. Sig. (2-tailed)	.542	.000	.003

a. Grouping Variable: Perlakuan

e. Angkak 30% VS Angkak 90%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	421.000	236.000	305.000
Wilcoxon W	886.000	701.000	770.000
Z	-.437	-3.230	-2.226
Asymp. Sig. (2-tailed)	.662	.001	.026

a. Grouping Variable: Perlakuan

f. Angkak 60% VS Angkak 90%

Test Statistics[a]

	Warna	Tekstur	Overall
Mann-Whitney U	401.000	416.000	381.000
Wilcoxon W	866.000	881.000	846.000
Z	-.742	-.516	-1.059
Asymp. Sig. (2-tailed)	.458	.606	.290

a. Grouping Variable: Perlakuan