

VII LAMPIRAN

Lampiran 1: Uji Two Way Anova Rendemen tepung glukomannan

Tests of Between-Subjects Effects

Dependent Variable:rendemen

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	120.119 ^a	11	10.920	10.588	.000
Intercept	29142.267	1	29142.267	28255.858	.000
k	77.306	3	25.769	24.985	.000
ig	34.390	2	17.195	16.672	.000
k * ig	8.423	6	1.404	1.361	.305
Error	12.376	12	1.031		
Total	29274.763	24			
Corrected Total	132.496	23			

a. R Squared = ,907 (Adjusted R Squared = ,821)

Lampiran 2: Uji Two Way Anova Kadar Air Tepung Glukomannan

Tests of Between-Subjects Effects

Dependent Variable:kadar air

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5.738 ^a	11	.522	3.136	.009
Intercept	1794.511	1	1794.511	10788.102	.000
kon	4.343	3	1.448	8.703	.000
ig	1.034	2	.517	3.109	.063
kon * ig	.361	6	.060	.362	.896
Error	3.992	24	.166		
Total	1804.241	36			
Corrected Total	9.730	35			

a. R Squared = ,590 (Adjusted R Squared = ,402)



Lampiran 3: Uji Two Way Anova Kadar Abu Tepung Glukomannan

Tests of Between-Subjects Effects

Dependent Variable:kadar abu

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	13.508 ^a	11	1.228	12.945	.000
Intercept	195.487	1	195.487	2060.710	.000
k	11.208	3	3.736	39.381	.000
kg	2.135	2	1.068	11.254	.000
k * kg	.166	6	.028	.291	.935
Error	2.277	24	.095		
Total	211.272	36			
Corrected Total	15.785	35			

a. R Squared = ,856 (Adjusted R Squared = ,790)



Lampiran 4: Uji Two Way Anova Kadar Protein Glukomannan

Tests of Between-Subjects Effects

Dependent Variable:kadar protein

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	13.876 ^a	11	1.261	7.722	.000
Intercept	356.448	1	356.448	2181.950	.000
k * jg	1.159	6	.193	1.182	.349
k	9.056	3	3.019	18.478	.000
jg	3.662	2	1.831	11.207	.000
Error	3.921	24	.163		
Total	374.245	36			
Corrected Total	17.797	35			

a. R Squared = ,780 (Adjusted R Squared = ,679)



Lampiran 5: Uji Two Way Anova Kadar kalsium oksalat Tepung Glukomannan

Tests of Between-Subjects Effects

Dependent Variable:kadar kalsium oksalat

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	544963.680 ^a	11	49542.153	1.821	.106
Intercept	2.319E7	1	2.319E7	852.339	.000
Kons	77498.330	3	25832.777	.950	.432
JG	435226.086	2	217613.043	7.999	.002
Kons * JG	32239.264	6	5373.211	.198	.974
Error	652892.691	24	27203.862		
Total	2.438E7	36			
Corrected Total	1197856.371	35			

a. R Squared = ,455 (Adjusted R Squared = ,205)



Lampiran 6: Uji Two Way Anova Kadar glukomannan

Tests of Between-Subjects Effects

Dependent Variable:kadar glukomannan

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	700.653 ^a	11	63.696	12.478	.000
Intercept	153356.577	1	153356.577	30041.948	.000
k	509.958	3	169.986	33.300	.000
ig	150.240	2	75.120	14.716	.001
k * ig	40.454	6	6.742	1.321	.320
Error	61.257	12	5.105		
Total	154118.487	24			
Corrected Total	761.910	23			

a. R Squared = ,920 (Adjusted R Squared = ,846)



Lampiran 7: Uji Two Way Anova intensitas warna Tepung Glukomannan

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	L*	1143.500 ^a	11	103.955	3.350	.006
	a*	2.862 ^b	11	.260	3.576	.004
	b*	8.342 ^c	11	.758	3.476	.005
Intercept	L*	216608.019	1	216608.019	6979.484	.000
	a*	426.767	1	426.767	5865.761	.000
	b*	6339.079	1	6339.079	29052.061	.000
k	L*	709.840	3	236.613	7.624	.001
	a*	1.954	3	.651	8.952	.000
	b*	5.734	3	1.911	8.760	.000
jg	L*	372.268	2	186.134	5.998	.008
	a*	.386	2	.193	2.650	.091
	b*	.436	2	.218	1.000	.383
k * jg	L*	61.392	6	10.232	.330	.915
	a*	.523	6	.087	1.197	.341
	b*	2.172	6	.362	1.659	.175
Error	L*	744.839	24	31.035		
	a*	1.746	24	.073		
	b*	5.237	24	.218		
Total	L*	218496.358	36			
	a*	431.375	36			
	b*	6352.658	36			
Corrected Total	L*	1888.339	35			
	a*	4.608	35			
	b*	13.579	35			

a. R Squared = ,606 (Adjusted R Squared = ,425)

b. R Squared = ,621 (Adjusted R Squared = ,447)

c. R Squared = ,614 (Adjusted R Squared = ,438)



8.39%

PLAGIARISM
APPROXIMATELY

Report #10900076

I PENDAHULUAN LATAR BELAKANG Iles – iles (*Amorphophallus muelleri*, Blume) merupakan tumbuhan semak yang berumbi di dalam tanah dan termasuk jenis tanaman umbi famili Araceae yang banyak terdapat di daerah tropis dan sub tropis seperti di Indonesia. Umbi tanaman ini biasa disebut dengan umbi porang yang dapat dijadikan sebagai alternatif bahan pangan karena memiliki kandungan pati sebesar 76,5 %, protein 9,20 %, serat 25 %, serta memiliki kandungan lemak sebesar 0,20 % dan mengandung senyawa glukomannan serta kristal asam oksalat yang cukup tinggi. Tingginya kandungan glukomannan berpotensi juga pada nilai ekonomis yang tinggi. Glukomannan merupakan serat pangan larut air yang bersifat hidrokoloid kuat dan rendah kalori yang berpotensi untuk dikembangkan pada bidang industri baik industri pangan, farmasi, bioteknologi dan kimia. The Food Chemicals Codex hanya mencantumkan penggunaan glukomannan di Amerika Serikat sebagai gelling agent, thickener, film former, dan emulsifier. Namun sayang, potensi ini belum digarap secara maksimal untuk menyediakan tepung glukomannan yang berkualitas sesuai dengan standar yang dipersyaratkan dalam industri pangan. Standar internasional mempersyaratkan kandungan glukomannan minimal 70 % untuk tepung glukomannan biasa dan 90 % untuk tepung glukomannan murni.