

LAMPIRAN





UNIVERSITAS KRISTEN ARTHA WACANA
UNIT PELAKSANA TEKNIS (UPT) LABORATORIUM EKSAKTA
Jl. Adisucipto – Oesapa – P.O.BOX 147 Kupang 85361– NTT

BLANKO HASIL ANALISIS SAMPEL PENELITIAN

Nama Pemohon : Maria Imaculata Tanggela
Jenis Analisis : Kadar air
Sampel : Roti Kukus

A. Kadar Air

Kode Sampel	Berat Cawan Kosong (g)	Berat Cawan + Sampel (g)	Berat Cawan Akhir + Sampel (g)	Kadar Air (%)
P0 ₍₁₎	41,3167	46,3191	44,7786	30,7952 %
P0 ₍₂₎	37,2110	42,2132	40,7037	30,1767 %
P0 ₍₃₎	43,1117	48,1132	46,6094	30,0670 %
P1 ₍₁₎	40,4789	45,4792	43,8189	33,2040 %
P1 ₍₂₎	40,2682	45,2698	43,5257	34,8708 %
P1 ₍₃₎	42,8139	47,8156	46,0989	34,3223 %
P2 ₍₁₎	12,7720	17,7768	15,8990	37,5199 %
P2 ₍₂₎	40,6788	45,6797	43,8005	37,5772 %
P2 ₍₃₎	11,9978	16,9982	15,1341	37,2790 %
P3 ₍₁₎	46,4201	51,4255	49,4843	38,7821 %
P3 ₍₂₎	43,3488	48,3496	46,4320	38,3459 %
P3 ₍₃₎	47,6901	52,6928	50,7682	38,4712 %

Mengetahui
Kepala UPT, Laboratorium Eksakta

Regina I. M. Banoet, SP, MP
NHN. 0812127401



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A. Kadar Air

Kode Sampel	Berat Cawan Kosong (g)	Berat Cawan + Sampel (g)	Berat Cawan Akhir + Sampel (g)	Kadar Air (%)
P ₄ U ₁	72,9389	77,9390	75,7586	43,6071 %
P ₄ U ₂	74,4415	79,,4494	77,2932	43,0559 %
P ₄ U ₃	71,7524	76,7595	74,5724	43,6799 %

Mengetahui
Kepala UPT. Laboratorium Eksakta

Regina L. M. Banoet, SP, MP
NIDN. 0812127401

2.4 m ³																			
20	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
25	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
30	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
35	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
40	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
45	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
50	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
55	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
60	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
65	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
70	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
75	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
80	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
85	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
90	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
95	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100
100	181	165	150	135	120	105	90	75	60	45	30	15	0	25	40	55	70	85	100

per la cura	costa
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P0	ab
P1	b
P2	a
P3	c
P4	d

$$\frac{\sum (\text{TOTAL PERLAKUAN})^2}{\sum (\text{TOTAL PANELIS})^2}$$

perakuan	notasi
P0	a
P1	b

NOTASI GARIS

$$\frac{\sum (\text{TOTAL PERLAKUAN})^2}{\sum (\text{TOTAL PANELS})^2}$$

perlakuan	notasi
P0	a
P1	b

NOTASI GARIS

DATA ANALISIS DATA KEMBANG ROTI KUKUS					
PERLAKUAN	ULANGAN			TOTAL	RERATA
	1	2	3		
P0	7.2	7.06	7.03	21.29	7.097
P1	5.86	5.86	5.83	17.55	5.850
P2	6.63	6.6	6.66	19.89	6.630
P3	4.96	4.9	4.83	14.69	4.897
P4	8.9	8.86	8.93	26.69	8.897
TOTAL	29.55	29.28	29.28	88.11	

$\sum (n)^2$	$(\sum \text{TOTAL } n)^2$		
51.84	49.8436	49.4209	151.1045
34.3396	34.3396	33.3889	102.67
43.9369	43.56	44.3556	131.8725
24.6016	24.01	23.3289	71.9405
24.01	23.6196	24.3049	71.9345
			529.5201

$(\sum \text{TOTAL PERLAKUAN})^2$ 453.2641 308.0025 395.6121 215.7961 215.7961 1588.473

PERLAKUAN (t) 5
ulangan (r) 3 tkr 15

DERAJAT BEBAS
DB TOTAL (t)-1 14
DB PERLAKUAN (t)-1 4
DB GALAT DB Total - DB Perlakuan 10

FAKTOR KOREKSI
FK $(\sum \text{TOTAL } n)^2 / tkr$ 482.914

JUMLAH KUADRAT
JK TOTAL $\sum (n)^2 - FK$ 9.826
JK PERLAKUAN $(\sum \text{TOTAL PERLAKUAN})^2 / r - FK$ 9.796
JK GALAT JK TOTAL - JK PERLAKUAN 0.030

KUADRAT TENGAH
KT PERLAKUAN JK PERLAKUAN / DB PERLAKUAN 2.449
KT GALAT JK GALAT / DB GALAT 0.003

F HITUNG
F HIT PERLAKUAN KT PERLAKUAN / KT GALAT 821.826

TABEL ANOVA					F TABEL	
SK	DB	JK	KT	F HITUNG	0.05	0.01
PERLAKUAN	4	9.79616	2.449	821.826**	3.478	5.994
GALAT	10	0.030	0.003			
TOTAL	14	9.826				

DMRT $\sqrt{VKTG/r}$ 0.032

TABEL SSR				
NILAI	2	3	4	5
SSR	4.48	4.73	4.88	4.96
LSR	0.141	0.149	0.154	0.156

UJI RATA-RATA PERLAKUAN					
PERLAKUAN	P0	P1	P2	P3	P4
P0	7.097	5.850	6.630	4.897	4.897
P1	5.850	1.247**	1.467**	2.2**	2.2**
P2	6.630	0.22**	0.953**	0.953**	0.953**
P3	4.897			0.733**	0.733**
P4	4.897				

NOTASI P0 P1 P2 P3 P4
a b a d

PERLAKUAN NOTASI	
P0	a
P1	b
P2	a
P3	d
P4	d

DATA ANALISIS KADAR AIR ROTI KUKUS					
PERLAKUAN	ULANGAN			TOTAL	RERATA
	1	2	3		
P0	30.7952	30.1767	30.067	91.039	30.346
P1	33.204	34.8708	34.3223	102.397	34.132
P2	37.5199	37.5772	37.279	112.376	37.459
P3	38.7821	38.3459	38.4712	115.599	38.533
P4	43.6071	43.0559	43.6799	130.343	43.448
TOTAL	183.9083	184.0265	183.8194	551.754	
$(\sum \text{TOTAL } n)^2$				304432.7	
$\sum (n)^2$					
	948.3443	910.633223	904.0245	2763.0021	
	1102.506	1215.97269	1178.02	3496.4986	
	1407.743	1412.04596	1389.724	4209.5127	
	1504.051	1470.40805	1480.033	4454.4926	
	1901.579	1853.81052	1907.934	5663.3234	
				20586.829	
$(\sum \text{TOTAL PERLAKUAN})^2$				8288.08131	10485.17
				12628.388	13363.18
				16989.27	61754.08
PERLAKUAN (t)	5				
ulangan (r)	3	txr	15		
DERAJAT BEBAS					
DB TOTAL	(txr) - 1	14			
DB PERLAKUAN	(t) - 1	4			
DB GALAT	DB Total - DB Perlakuan		10		
FAKTOR KOREKSI	FK	$(\sum \text{TOTAL } n)^2 / txr$	20295.513		
JUMLAH KUADRAT					
JK TOTAL	$\sum (n)^2 - FK$		291.316		
JK PERLAKUAN	$(\sum \text{TOTAL PERLAKUAN})^2 / r - FK$		289.181		
JK GALAT	JK TOTAL - JK PERLAKUAN		2.135		
KUADRAT TENGAH					
KT PERLAKUAN	JK PERLAKUAN / DB PERLAKUAN		72.295		
KT GALAT	JK GALAT / DB GALAT		0.214		
F HITUNG					

F HIT PERLAKUAN

KT PERLAKUAN/KT GALAT

338.572

TABEL ANOVA

SK	DB	JK	KT	F HITUNG	F TABEL	
					0.05	0.01
PERLAKUAN	4	289.181	72.295	338.572**	3.478	5.994
GALAT	10	2.135	0.214			
TOTAL	14	291.316				

DMRT VKTG/r

0.267

TABEL SSR

NILAI	2	3	4	5
SSR	4.48	4.73	4.88	4.96
LSR	1.195	1.262	1.302	1.323

UJI RATA-RATA PERLAKUAN

PERLAKUAN		P4	P3	P2	P1	P0
		43.448	38.533	37.459	34.132	30.346
P4	43.448		4.915**	5.989**	9.315**	13.101**
P3	38.533			1.074 tn	4.401**	8.167**
P2	37.459				3.326**	7.112**
P1	34.132					3.789**
P0	30.346					

NOTASI

P4

•

a

P3

•

b

P2

•

P1

•

c

P0

•

•

d

PERLAKUAN NOTASI

P0	d
P1	c
P2	b
P3	b
P4	a