

LAMPIRAN

Lampiran 1 : Analisa Diameter Pertumbuhan

HARI 1

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	2,0	1,0	1,5
	K2	4,0	4,0	4
	K3	5,0	5,0	5
V2	K1	0,0	0,0	0
	K2	4,0	5,0	4,5
	K3	5,0	8,0	6,5
V3	K1	0,0	0,0	0
	K2	0,0	0,0	0
	K3	0,0	0,0	0
V4	K1	0,0	0,0	0
	K2	0,0	0,0	0
	K3	0,0	0,0	0

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	0,542	0,2708	1,20	0,320
JENIS	3	115,687	38,5625	171,10	0,000
KONSENTRASI	2	39,500	19,7500	87,63	0,000
JENIS*KONSENTRAS	6	46,500	7,7500	34,39	0,000
Error	22	4,958	0,2254		
Total	35	207,188			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
0,474741	97,61%	96,19%	93,59%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K3	3	6,5	A
V1 K3	3	5,0	B
V2 K2	3	4,5	B
V1 K2	3	4,0	B
V1 K1	3	1,5	C
V3 K1	3	0,0	D
V4 K1	3	0,0	D
V4 K2	3	0,0	D
V4 K3	3	0,0	D
V2 K1	3	-0,0	D
V3 K2	3	-0,0	D
V3 K3	3	-0,0	D

Means that do not share a letter are significantly different.

HARI 2

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	4,0	3,0	3,5
	K2	6,0	7,0	6,5
	K3	8,0	7,0	7,5
V2	K1	3,0	2,0	2,5
	K2	6,0	8,0	7
	K3	7,0	13,0	10
V3	K1	0,0	2,0	1
	K2	4,0	4,0	4
	K3	0,0	0,0	0

V4	K1	0,0	0,0	0
	K2	4,0	3,0	3,5
	K3	4,0	0,0	2

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	2,542	1,271	0,93	0,408
JENIS	3	177,688	59,229	43,50	0,000
KONSENTRASI	2	88,625	44,312	32,54	0,000
JENIS*KONSENTRAS	6	67,375	11,229	8,25	0,000
Error	22	29,958	1,362		
Total	35	366,187			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
1,16694	91,82%	86,98%	78,09%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K3	3	10,0	A
V1 K3	3	7,5	A B
V2 K2	3	7,0	A B C
V1 K2	3	6,5	B C D
V3 K2	3	4,0	C D E
V1 K1	3	3,5	D E
V4 K2	3	3,5	D E
V2 K1	3	2,5	E F
V4 K3	3	2,0	E F
V3 K1	3	1,0	E F
V4 K1	3	0,0	F
V3 K3	3	-0,0	F

Means that do not share a letter are significantly different.

HARI 3

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	13,0	15,0	14
	K2	17,0	10,0	13,5
	K3	18,0	9,0	13,5
V2	K1	7,0	5,0	6
	K2	15,0	16,0	15,5
	K3	9,0	20,0	14,5
V3	K1	4,0	5,0	4,5
	K2	8,0	6,0	7
	K3	4,0	4,0	4
V4	K1	5,0	3,0	4
	K2	10,0	9,0	9,5
	K3	10,0	5,0	7,5

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	18,87	9,437	1,61	0,222
JENIS	3	437,69	145,896	24,95	0,000
KONSENTRASI	2	111,50	55,750	9,54	0,001
JENIS*KONSENTRASI	6	114,50	19,083	3,26	0,019
Error	22	128,62	5,847		
Total	35	811,19			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
2,41797	84,14%	74,77%	57,54%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K2	3	15,5	A
V2 K3	3	14,5	A B
V1 K1	3	14,0	A B C
V1 K2	3	13,5	A B C
V1 K3	3	13,5	A B C
V4 K2	3	9,5	A B C D

V4 K3	3	7,5	B	C	D
V3 K2	3	7,0		C	D
V2 K1	3	6,0			D
V3 K1	3	4,5			D
V4 K1	3	4,0			D
V3 K3	3	4,0			D

Means that do not share a letter are significantly different.

HARI 4

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	20,0	21,0	20,5
	K2	24,0	20,0	22
	K3	27,0	15,0	21
V2	K1	20,0	5,0	12,5
	K2	27,0	28,0	27,5
	K3	15,0	35,0	25
V3	K1	10,0	10,0	10
	K2	16,0	15,0	15,5
	K3	12,0	8,0	10
V4	K1	6,0	4,0	5
	K2	24,0	22,0	23
	K3	25,0	12,0	18,5

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	69,87	34,94	1,83	0,184
JENIS	3	602,19	200,73	10,50	0,000
KONSENTRASI	2	621,12	310,56	16,24	0,000
JENIS*KONSENTRASI	6	356,88	59,48	3,11	0,023
Error	22	420,63	19,12		
Total	35	2070,69			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
4,37256	79,69%	67,68%	45,61%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K2	3	27,5	A
V2 K3	3	25,0	A B
V4 K2	3	23,0	A B
V1 K2	3	22,0	A B C
V1 K3	3	21,0	A B C
V1 K1	3	20,5	A B C
V4 K3	3	18,5	A B C
V3 K2	3	15,5	A B C D
V2 K1	3	12,5	B C D
V3 K1	3	10,0	C D

V3 K3	3	10,0	C	D
V4 K1	3	5,0		D

Means that do not share a letter are significantly different.

HARI 5

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	25,0	27,0	26
	K2	30,0	25,0	27,5
	K3	35,0	25,0	30
V2	K1	25,0	5,0	15
	K2	37,0	35,0	36
	K3	25,0	45,0	35
V3	K1	15,0	14,0	14,5
	K2	20,0	18,0	19
	K3	18,0	12,0	15
V4	K1	6,0	4,0	5
	K2	27,0	25,0	26
	K3	30,0	12,0	21

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	100,7	50,33	2,00	0,159
JENIS	3	1199,5	399,83	15,93	0,000
KONSENTRASI	2	1000,1	500,06	19,92	0,000
JENIS*KONSENTRAS	6	624,9	104,15	4,15	0,006
Error	22	552,3	25,11		
Total	35	3477,5			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
5,01059	84,12%	74,73%	57,47%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K2	3	36,0	A
V2 K3	3	35,0	A B
V1 K3	3	30,0	A B C
V1 K2	3	27,5	A B C D
V1 K1	3	26,0	A B C D
V4 K2	3	26,0	A B C D
V4 K3	3	21,0	B C D
V3 K2	3	19,0	C D E
V2 K1	3	15,0	D E
V3 K3	3	15,0	D E
V3 K1	3	14,5	D E
V4 K1	3	5,0	E

Means that do not share a letter are significantly different.

HARI 6

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	30,0	30,0	30
	K2	37,0	35,0	36
	K3	40,0	35,0	37,5
V2	K1	25,0	5,0	15
	K2	49,0	45,0	47
	K3	35,0	50,0	42,5
V3	K1	25,0	14,0	19,5

	K2	30,0	27,0	28,5
	K3	26,0	22,0	24
V4	K1	15,0	4,0	9,5
	K2	38,0	35,0	36,5
	K3	40,0	35,0	37,5

Factor Information

Factor	Type	Levels
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	117,4	58,69	3,51	0,048
JENIS	3	755,7	251,90	15,05	0,000
KONSENTRASI	2	2518,6	1259,31	75,26	0,000
JENIS*KONSENTRASI	6	1011,9	168,65	10,08	0,000
Error	22	368,1	16,73		
Total	35	4771,7			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
4,09059	92,29%	87,73%	79,34%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K2	3	47,0	A
V2 K3	3	42,5	A
V4 K3	3	37,5	A B
V1 K3	3	37,5	A B
V4 K2	3	36,5	A B
V1 K2	3	36,0	A B C
V1 K1	3	30,0	B C D
V3 K2	3	28,5	B C D
V3 K3	3	24,0	C D E
V3 K1	3	19,5	D E F
V2 K1	3	15,0	E F
V4 K1	3	9,5	F

Means that do not share a letter are significantly different.

HARI 7

PERLAKUAN		ULANGAN		
		1	2	3
V1	K1	40,0	39,0	39,5
	K2	48,0	45,0	46,5
	K3	52,0	50,0	51
V2	K1	25,0	5,0	15
	K2	55,0	50,0	52,5
	K3	50,0	60,0	55
V3	K1	32,0	14,0	23
	K2	30,0	27,0	28,5

	K3	39,0	33,0	36
V4	K1	30,0	4,0	17
	K2	48,0	45,0	46,5
	K3	57,0	50,0	53,5

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	3 1; 2; 3
JENIS	Fixed	4 V1; V2; V3; V4
KONSENTRASI	Fixed	3 K1; K2; K3

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	2	273,5	136,75	5,49	0,012
JENIS	3	1296,5	432,17	17,37	0,000
KONSENTRASI	2	4245,9	2122,94	85,31	0,000
JENIS*KONSENTRASI	6	1475,1	245,85	9,88	0,000
Error	22	547,5	24,89		
Total	35	7838,5			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
4,98862	93,02%	88,89%	81,30%

Grouping Information Using the Tukey Method and 95% Confidence

JENIS*KONSENTRASI	N	Mean	Grouping
V2 K3	3	55,0	A
V4 K3	3	53,5	A B
V2 K2	3	52,5	A B
V1 K3	3	51,0	A B
V1 K2	3	46,5	A B C
V4 K2	3	46,5	A B C
V1 K1	3	39,5	B C D
V3 K3	3	36,0	C D E
V3 K2	3	28,5	D E F
V3 K1	3	23,0	E F
V4 K1	3	17,0	F
V2 K1	3	15,0	F

Means that do not share a letter are significantly different.

Lampiran 2 : Analisa Total Gula

PERLAKUAN		TOTAL GULA		
		1	2	3
V1	K1	0,39	0,42	0,405
	K2	0,72	0,85	0,785
	K3	1,24	1,33	1,285
V2	K1	0,46	0,38	0,42
	K2	0,91	0,84	0,875
	K3	1,33	1,47	1,4
V3	K1	0,3	0,52	0,41
	K2	0,57	0,69	0,63
	K3	1,09	1,11	1,1
V4	K1	0,53	0,61	0,57
	K2	0,73	0,84	0,785
	K3	1,66	1,59	1,625

General Linear Model: TOTAL GULA

Factor Information

Factor	Type	Levels Values
KELOMPOK	Fixed	2 1; 2
JENIS	Fixed	4 A; B; C; D
KONSENTRASI	Fixed	3 2gr; 4gr; 6gr

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
KELOMPOK	1	0,02160	0,02160	4,74	0,052
JENIS	3	0,25175	0,08392	18,42	0,000
KONSENTRASI	2	3,34353	1,67176	367,05	0,000
JENIS*KONSENTRASI	6	0,13787	0,02298	5,05	0,010
Error	11	0,05010	0,00455		
Total	23	3,80485			

Model Summary

S	R-sq	R-sq(adj)	R-sq(pred)
0,0674874	98,68%	97,25%	93,73%


Grouping Information Using the Tukey Method and 95% Confidence

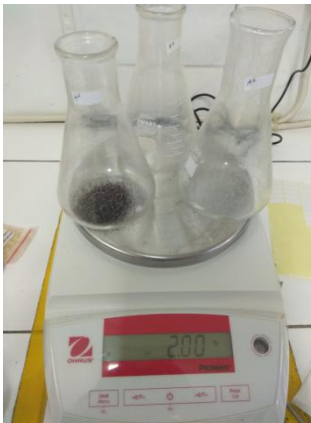
JENIS*KONSENTRASI	N	Mean	Grouping
D 6gr	2	1,625	A
B 6gr	2	1,400	A B
A 6gr	2	1,285	B C
C 6gr	2	1,100	C D
B 4gr	2	0,875	D E

D 4gr	2	0,785	E F
A 4gr	2	0,785	E F
C 4gr	2	0,630	E F G
D 2gr	2	0,570	F G
B 2gr	2	0,420	G
C 2gr	2	0,410	G
A 2gr	2	0,405	G

Means that do not share a letter are significantly different.

Lampiran 3 : Dokumentasi Foto

Keterangan	Foto
Kulit Pisang yang telah dihaluskan	



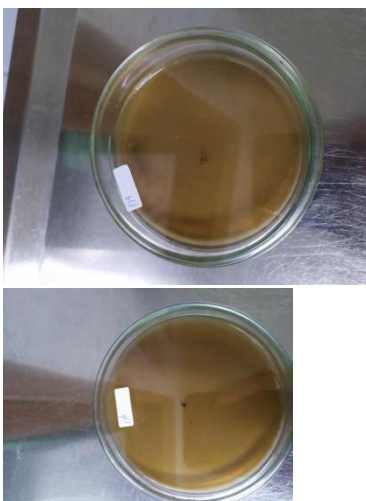
Pemanasan dengan HotPlate



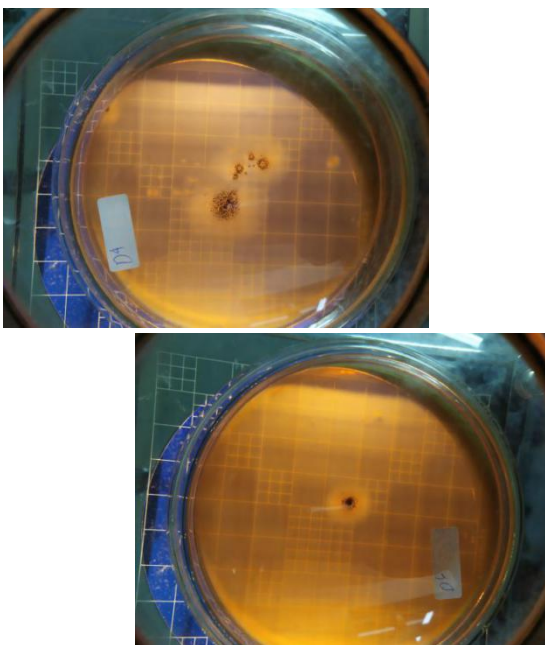
Autoclave Media



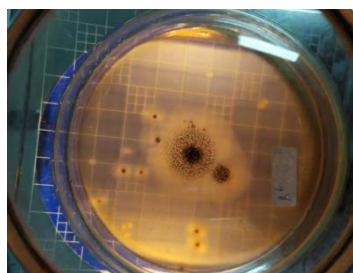
Hasil Analisa Hari 1



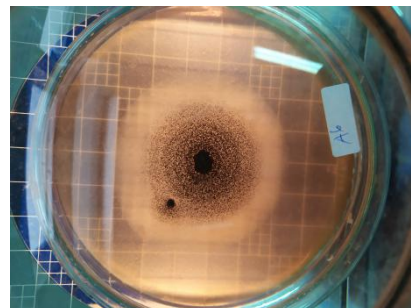
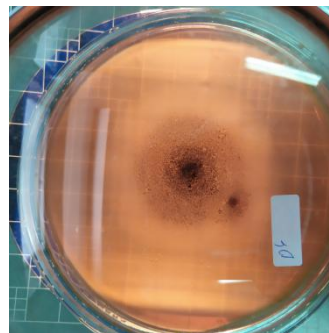
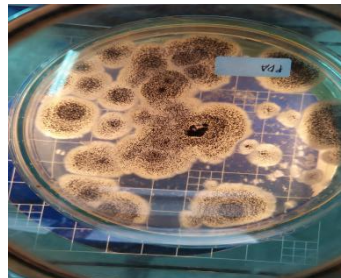
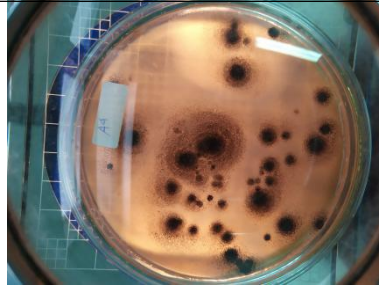
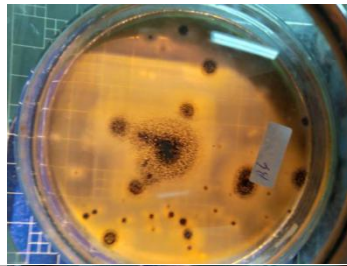
Hasil Analisa Hari 3



Hasil Analisa Hari 5



Hasil Analisa Hari 7



Lampiran 4 : FORM BIMBINGAN



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FORM BIMBINGAN SKRIPSI

Nama : Nucky Istikomah M.
 Nim : 2015 69 05 0017
 Judul Skripsi : PENGARUH VARIETAS DAN KONSENTRASI BROTH MEDIA KULIT PIJANG Di kec. Sukorejo sebagai media alternatif Pertumbuhan *Aspergillus niger*
 Prodi : .I.T.P.

NO	TGL	MATERI BIMBINGAN	MATERI REVISI	PARAF	KETERANGAN
1	10/2 19	JUDUL, BAB I dan BAB II	PERUBAHAN LATAK BELAKANG		
2	27/2 19	MEDIA BROTH	PENYEDIAAN AGAR MEDIA BROTH - MEDIA BUNY		
3	30/2 19	KONSENTRASI MEDIA	KONSENTRASI BARI 9, 6, & 12 MEJADI 2, 4, 6		
4	10/5 19	PERUBAHAN METODE ANALISA	ANALISA STREAK AGAR BLOCK		
5	29/7 19	Analisa hasil data pertumbuhan	REVISI PERHITUNGAN STATISTIK DATA		
6	31/7 19	Rancangan percobaan	RAKE → RALE		
7	28/7 19	STATISTIK DATA	REVISI STATISTIK DATA, NOTASI DATA		
8	2/8 19	STATISTIK TOTALBOLA	REVISI PERHITUNGAN		
9	2/8 19	BAB IV, BAB III	REVISI PERULIHAN, penambahan pembahasan		
10	9/8 19	BAB V ABSTRAK	REVISI PENDAHULUAN, penambahan		

Pasuruan, 7 Agustus 2019
 Pembimbing

M. Nur Hafid