Lampiran 1. Gambar Tinggi Tanaman yang diaplikasikan filtrat bakteri endofit

Gambar	Tinggi Tanaman (Ulangan/cm)
Kontrol	(1) 35 (2) 37 (3) 45
AH	(1) 39 (2) 43 (3) 46
DA	(1) 47 (2) 48 (3) 50

BA	(1) 51 (2) 55 (3) 56
BE	(1) 56 (2) 59 (3) 62

AA	(1) 75 (2) 81 (3) 84
DH	(1) 65 (2) 66 (3) 70

Lampiran 2. Akar tanaman kentang yang diaplikasikan filtrat bakteri endofit

Gambar
Kontrol   1 2 3 **Ket: 1, 2, dan 3: Ulagan**
AH   1 2 3
DA   1 2 3
BA   1 2 3
DH   1 2 3
AA   1 2 3
BE

Lampiran 3. Uji Statistik

a. Jumlah sista *Globodera rostochiensis* dalam 100 gram tanah

Perlakuan	Ulangan (ekor)			Total	Rata-rata
	1	2	3		
Kontrol	19	13	14	46	15,33
AH	9	8	13	30	10
DA	7	9	6	22	7,33
BA	10	6	5	21	7
AA	9	4	3	16	5,33
DH	5	5	8	18	6
BE	7	9	3	19	6,33

ANOVA

Data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	218.571	6	36.429	5.169	.005
Within Groups	98.667	14	7.048		
Total	317.238	20			

Uji lanjut menggunakan BNT 5%

$$BNT_{0,05} = t\ (0,05\ (Galat)) \times \sqrt{\frac{2\ KT\ Galat}{Ulangan}}$$

$$= t\ (0,05\ (14)) \times \sqrt{\frac{2 \times 7,048}{3}}$$

$$= 2,14 \times \sqrt{\frac{14,0896}{3}}$$

$$= 2,675$$

Perlakuan	Rata-rata jumlah sista dalam 100 gram tanah dan notasi (ekor)
AA	5,33 a
DH	6 a
BE	6,33 a
BA	7 a
DA	7,33 a
AH	10 b
Kontrol	15,33 c

b. Tinggi tanaman kentang

Perlakuan	Ulangan (cm)			Total	Rata-rata
	1	2	3		
Kontrol	35	37	45	117	39
AH	39	43	46	128	42,66
DA	47	48	50	145	48,33
BA	51	55	56	162	54
BE	56	59	62	177	59
AA	75	81	84	240	80
DH	65	66	70	201	67

ANOVA

Data

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3704.952	6	617.492	49.874	.000
Within Groups	173.333	14	12.381		
Total	3878.286	20			

Uji lanjut menggunakan BNT 5%

$$BNT_{0,05} = t\ (0,05\ (Galat)) \times \sqrt{\frac{2\ KT\ Galat}{Ulangan}}$$

$$= t\ (0,05\ (14)) \times \sqrt{\frac{2 \times 12,381}{3}}$$

$$= 2,14 \times \sqrt{\frac{24,762}{3}}$$

$$= 3,53$$

Perlakuan (Isolat)	Rata-rata tinggi tanaman kentang dan notasi (cm)
Kontrol	39 a
AH	42,66 b
DA	48,33 c
BA	54 d
BE	59 e
DH	67 ef
AA	80 f

c. Berat akar tanaman kentang

Perlakuan	Ulangan (gram)			Total	Rata-rata
	1	2	3		
Kontrol	0,7	1,21	1,27	3,18	1,06
AH	1,32	1,15	1,43	3,9	1,3
DA	2,2	2,15	2,4	6,75	2,25
BA	2,2	2,44	2,6	7,24	2,41
BE	3,17	3,47	2,96	9,6	3,2
AA	3,8	4,00	3,92	11,72	3,9
DH	3,53	3,42	3,78	10,73	3,57

ANOVA

Data

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	21.616	6	3.603	88.209	.000
Within Groups	.572	14	.041		
Total	22.188	20			

Uji lanjut menggunakan BNT 5%

$$BNT_{0,05} = t\ (0,05\ (Galat)) \times \sqrt{\frac{2\ KT\ Galat}{Ulangan}}$$

$$= t\ (0,05\ (14)) \times \sqrt{\frac{2 \times 0,041}{3}}$$

$$= 2,14 \times \sqrt{\frac{0,08}{3}}$$

$$= 0,203$$

Perlakuan (Isolat)	Rata-rata berat akar tanaman kentang dan notasi (gram)
Kontrol	1,06 a
AH	1,3 b
DA	2,25 c
BA	2,41 d
BE	3,2 e
DH	3,57 f
AA	3,9 g

d. Uji normalitas data populasi sista

One-Sample Kolmogorov-Smirnov Test

		data
N		21
Normal Parameters[a]	Mean	8.1905
	Std. Deviation	3.98270
Most Extreme Differences	Absolute	.181
	Positive	.181
	Negative	-.096
Kolmogorov-Smirnov Z		.831
Asymp. Sig. (2-tailed)		.494

a. Test distribution is Normal.

e. Uji normalitas data tinggi tanaman kentang.

One-Sample Kolmogorov-Smirnov Test

		Data
N		21
Normal Parameters[a]	Mean	55.7143
	Std. Deviation	1.39253E1
Most Extreme Differences	Absolute	.111
	Positive	.111
	Negative	-.068
Kolmogorov-Smirnov Z		.508
Asymp. Sig. (2-tailed)		.959

a. Test distribution is Normal.

f. Uji normalitas berat akar tanaman kentang.

One-Sample Kolmogorov-Smirnov Test

		Data
N		21
Normal Parameters[a]	Mean	2.5295
	Std. Deviation	1.05328
Most Extreme Differences	Absolute	.137
	Positive	.137
	Negative	-.134
Kolmogorov-Smirnov Z		.630
Asymp. Sig. (2-tailed)		.822

a. Test distribution is Normal.

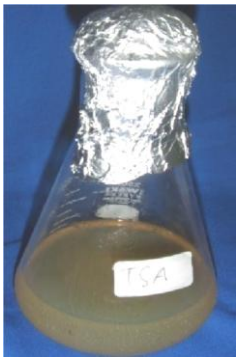
Lampiran 4. Bahan Penelitian

a

b

c

d



e

Gambar 1. Bahan-bahan Penelitian

Ket:

a. Tanah di dalam polibag sebagai media penanaman.
b. Bibit tanaman kentang
c. Lahan penanaman
d. Filtrat bakteri endofit
e. Media TSA

Lampiran 5. Alat penelitian

a

b

c

d

e

Gambar 2. Alat-Alat Penelitian: a. Autoklav b. Hot Plate c. Laminar Air Flow d. Alata gelas ukur, corong, dan lain-lain. e. Autoklaf manual