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LAMPIRAN

Tabel Lampiran 1. Jumlah Arthropoda Musuh Alami yang ditemukan pada tanaman Jagung Perlakuan Bioinsektisida *Beuveria Bassiana* Selama 9 kali Pengamatan

Ordo	Famili	Genus-Spesies	Pengamatan									Total
			7	14	21	28	35	42	49	56	63	
Hymenoptera	Formicidae	*Dolichoderus thoracicus*	0	21	23	22	5	6	6	0	33	116
		Odontomachus simillimus	3	14	0	0	0	0	0	0	0	17
		Camponotus sp.	0	0	0	0	0	1	0	12	0	13
		Solenopsis sp.	0	0	20	0	0	0	7	0	8	35
	Vespidae	*Ropalidia* sp.	0	0	0	0	0	0	0	2	1	3
	Sphecidae	*Sceliphron* sp.	0	0	0	0	0	0	0	0	1	1
Orthoptera	Gryllidae	*Gryllus* sp.	0	1	1	0	1	0	0	0	4	7
		Metioche vittaticollis	0	0	0	1	0	0	0	0	0	1
Coleoptera	Coccinellidae	*Menochilus sexmaculatus*	0	1	0	5	16	12	7	4	2	47
		Micraspis sp.	0	0	1	3	6	24	6	4	0	44
		Coelophora reniplagiata	0	0	0	0	0	4	0	1	4	9
	Staphilinidae	*Paederus fuscipes*	0	0	0	0	0	0	0	1	0	1
Araneae	Salticidae	*Phidippus* sp.	0	0	2	0	0	0	0	0	0	2
	Linyphiidae	*Drapetisca socialis*	0	0	2	1	0	3	0	0	3	9
Diptera	Ulidiidae	*Euxesta* sp.	0	0	0	2	0	1	1	2	0	6
	Scenopinidae	*Scenopinus* sp.	0	0	0	0	0	1	0	0	1	2
Odonata	Libelulidae	*Orthetrum* sp.	1	0	0	0	0	0	0	0	0	1
	Coenagrionidae	*Agriocnemis* sp.	0	1	0	0	0	0	0	0	0	1
Lepidoptera	Erebidae	*Amata huebneri*	0	0	3	0	3	2	0	0	0	8
Hemiptera	Reduviidae	*Zelus* sp.	1	0	0	0	0	0	0	0	0	1
Dermaptera	Anisolabididae	*Euborellia annulata*	0	0	0	0	0	1	2	0	1	4
Total			**5**	**38**	**52**	**34**	**31**	**55**	**29**	**26**	**58**	**328**

Tabel Lampiran 2. Jumlah Arthropoda Musuh Alami yang ditemukan pada tanaman Jagung Perlakuan kontrol Selama 9 kali Pengamatan.

Ordo	Famili	Genus-Spesies	Pengamatan									Total
			7	14	21	28	35	42	49	56	63	
Hymenoptera	Formicidae	*Dolichoderus thoracicus*	0	7	5	14	0	18	23	12	3	82
		Odontomachus simillimus	5	1	13	0	0	0	0	2	0	21
		Camponotus sp.	0	0	0	0	0	1	1	0	0	2
		Solenopsis sp.	0	5	0	7	0	4	10	16	25	67
	Vespidae	*Ropalidia* sp.	0	0	0	1	0	0	0	0	0	1
	Sphecidae	*Sphex* sp.	1	1	0	0	0	0	0	1	0	3
	Chalcididae	*Brachymeria* sp.	0	0	0	0	0	1	0	0	0	1
	Pompilidae	*Auplopus* sp.	0	0	0	0	0	0	1	1	0	2
	Braconidae	*Coccygidium* sp.	0	0	0	0	0	0	0	1	0	1
Orthoptera	Gryllidae	*Gryllus* sp.	1	2	0	1	0	1	2	3	0	10
		Metioche vittaticollis	0	0	0	0	0	0	3	0	0	3
		Anaxipha longipennis	0	0	0	0	1	1	0	0	0	2
Coleoptera	Coccinellidae	*Menochilus sexmaculatus*	0	0	0	0	4	4	5	0	2	15
		Micraspis sp.	0	1	0	0	9	22	3	1	1	37
		Coelophora reniplagiata	0	0	1	0	0	1	0	0	0	2
		Coccinella transversalis	0	1	0	0	1	0	0	0	0	2
		Verenia lineata	0	0	0	0	0	2	0	0	0	2
	Staphilinidae	*Paederus fuscipes*	0	0	0	0	0	7	0	0	1	8
	Carabidae	*Ophionea* sp.	0	0	0	0	0	1	0	0	0	1
Araneae	Lycosidae	*Lycosa* sp.	1	1	0	1	0	1	0	0	0	4
	Oxyopidae	*Oxyopes javanus*	0	0	0	0	0	1	0	0	0	1
Diptera	Ulidiidae	*Euxesta* sp.	0	0	0	1	0	0	2	0	1	4
Odonata	Libelulidae	*Orthetrum* sp.	1	0	0	0	4	0	0	0	0	5
	Coenagrionidae	*Agriocnemis* sp.	0	0	0	0	1	0	0	0	0	1
Total			**9**	**19**	**19**	**25**	**20**	**65**	**50**	**37**	**33**	**277**

Tabel Lampiran 3. Jumlah Arthropoda Herbivora yang ditemukan pada tanaman Jagung Perlakuan Bioinsektisida *Beuveria Bassiana* Selama 9 kali Pengamatan.

Ordo	Famili	Genus-Spesies	Pengamatan									Total
			7	14	21	28	35	42	49	56	63	
Coleoptera	Nitidulidae	*Carpophilus* sp.	1	0	0	0	1	27	1	6	0	36
	Chrysomelidae	*Chrysolina* sp.	0	1	1	0	0	0	0	0	0	2
		Aulacophora sp.	0	0	0	3	0	7	2	1	0	13
	Elateridae	*Melanotus* sp.	0	2	0	0	0	0	0	0	0	2
	Scarabaeidae	*Holotricha* sp.	0	0	0	1	0	0	0	0	0	1
		Protaetia sp.	0	0	0	0	1	4	0	0	0	5
	Coccinellidae	*Epilachna* sp.	0	0	0	1	0	0	0	0	0	1
	Cerambycidae	*Oberea* sp.	0	0	0	0	0	1	0	0	0	1
Orthoptera	Pyrgomorphidae	*Atractomorpha lata*	8	2	2	1	0	0	0	1	0	14
	Acrididae	*Valanga nigricornis*	5	1	5	2	0	0	0	0	0	13
		Locusta migratoria	1	2	0	0	0	0	1	0	0	4
		Trilophidia annulata	0	0	0	4	2	0	1	0	1	8
	Tettigoniidae	*Tettigonia* sp.	0	0	0	0	3	0	0	0	0	3
	Gryllotalpidae	*Gryllotalpa hirsuta*	0	0	0	0	0	0	1	0	0	1
Diptera	Neriidae	*Telostylinus* sp.	0	1	0	0	2	0	0	0	0	3
	Tephritidae	*Anastrepha fraterculus*	0	0	4	3	0	0	0	0	0	7
	Drosophilidae	*Drosophilia melanogaster*	0	0	0	5	0	0	0	0	0	5
	Micropezidae	*Taeniaptera* sp.	0	0	0	0	0	1	1	7	4	13
	Syrphida	*Eumerus figurans*	0	0	0	0	0	0	0	1	0	1
Lepidoptera	Noctuidae	*Spodoptera frugiperda*	0	8	6	33	28	0	0	2	0	77
	Crambidae	*Ostrinia furnacalis*	0	0	0	0	0	0	25	32	0	57
Hemiptera	Derbidae	*Proutista moesta*	0	0	1	3	2	3	2	2	1	14
	Plataspididae	*Brachyplatys* sp.	0	0	1	0	0	0	0	0	0	1
	Alydidae	*Leptocorisa acuta*	0	0	0	0	6	0	0	1	0	7
	Aphididae	*Rhopalosiphum maidis*	0	0	0	0	10	26	0	0	0	36
		Myzus persicae	0	0	0	0	27	3	0	0	0	30
	Cydnidae	*Cydnus* sp.	0	0	0	0	0	0	1	0	0	1
Total			**15**	**17**	**20**	**56**	**82**	**72**	**35**	**53**	**6**	**356**

Tabel Lampiran 4. Jumlah Arthropoda Herbivora yang ditemukan pada tanaman Jagung Perlakuan Kontrol Selama 9 kali Pengamatan.

Ordo	Famili	Genus-Spesies	Pengamatan									Total
			7	14	21	28	35	42	49	56	63	
Coleoptera	Nitidulidae	*Carpophilus* sp.	0	0	0	0	0	0	0	0	8	8
	Chrysomelidae	*Chrysolina* sp.	0	1	0	0	1	2	0	1	0	5
		Aulacophora sp.	1	0	0	0	0	1	0	1	2	5
		Charidotella sp.	0	0	0	0	0	1	1	1	0	3
	Elateridae	*Melanotus* sp.	0	0	0	1	0	1	0	0	0	2
	Curculionidae	*Sitona* sp.	0	0	0	0	1	0	0	0	0	1
Orthoptera	Pyrgomorphidae	*Atractomorpha lata*	4	1	0	0	1	0	3	2	1	12
	Acrididae	*Valanga nigricornis*	0	0	0	2	0	0	0	0	0	2
		Locusta migratoria	0	0	0	0	0	0	1	0	0	1
		Trilophidia annulata	13	6	2	0	0	0	1	0	0	22
	Tettigoniidae	*Tettigonia* sp.	0	0	0	0	1	0	3	0	1	5
	Gryllotalpidae	*Gryllotalpa hirsute*	0	2	0	0	0	0	0	0	0	2
Diptera	Tephritidae	*Anastrepha fraterculus*	0	0	0	1	0	1	1	1	0	4
	Drosophilidae	*Drosophilia melanogaster*	0	0	0	0	0	0	2	1	0	3
	Micropezidae	*Taeniaptera* sp.	0	0	0	0	0	0	0	1	1	2
	Syrphida	*Eumerus figurans*	0	0	0	0	0	2	0	0	0	2
Lepidoptera	Noctuidae	*Spodoptera frugiperda*	0	23	42	17	66	0	0	0	0	148
	Crambidae	*Ostrinia furnacalis*	0	0	0	0	17	85	50	33	20	205
	Zygaenidae	*Artona* sp.	0	0	0	0	0	0	1	0	0	1
Hemiptera	Derbidae	*Proutista moesta*	0	0	0	0	2	5	5	6	5	23
	Plataspididae	*Brachyplatys* sp.	0	0	1	0	0	0	0	0	0	1
	Alydidae	*Leptocorisa acuta*	0	0	0	1	0	1	8	10	4	24
	Aphididae	*Rhopalosiphum maidis*	0	0	0	0	0	33	0	0	0	33
	Coreidae	*Leptoglossus* sp.	0	0	0	0	1	0	0	0	0	1
	Lygaeidae	*Nysius* sp.	0	0	0	0	0	0	1	0	0	1
Total			**18**	**33**	**45**	**22**	**90**	**132**	**77**	**57**	**42**	**516**

Tabel Lampiran 5. Indeks Keanekaragaman Arthropoda Musuh Alami pada Pertanaman jagung Perlakuan Bioinsektisida *Beuveria Bassiana*.

Ordo	Famili	Genus	Spesies	Total	Rata-rata	Pi	LnPi	Pi.Ln Pi
Hymenoptera	Formicidae	*Dolichoderus*	*Dolichoderus thoracicus*	116	12.889	0.354	-1.039	-0.368
		Odontomachus	*Odontomachus simillimus*	17	1.889	0.052	-2.960	-0.153
		Camponotus	*Camponotus* sp.	13	1.444	0.040	-3.228	-0.128
		Solenopsis	*Solenopsis* sp.	35	3.889	0.107	-2.238	-0.239
	Vespidae	*Ropalidia*	*Ropalidia* sp.	3	0.333	0.009	-4.694	-0.043
	Sphecidae	*Sceliphron*	*Sceliphron* sp.	1	0.111	0.003	-5.793	-0.018
Orthoptera	Gryllidae	*Gryllidae*	*Gryllus* sp.	7	0.778	0.021	-3.847	-0.082
		Metioche	*Metioche vittaticollis*	1	0.111	0.003	-5.793	-0.018
Coleoptera	Coccinellidae	*Menochilus*	*Menochilus sexmaculatus*	47	5.222	0.143	-1.943	-0.278
		Micraspis	*Micraspis* sp.	44	4.889	0.134	-2.009	-0.269
		Coelophora	*Coelophora reniplagiata*	9	1.000	0.027	-3.596	-0.099
	Staphilinidae	*Paederus*	*Paederus fuscipes*	1	0.111	0.003	-5.793	-0.018
Araneae	Salticidae	*Phidippus*	*Phidippus* sp.	2	0.222	0.006	-5.100	-0.031
	Linyphiidae	*Drapetisca*	*Drapetisca socialis*	9	1.000	0.027	-3.596	-0.099
Diptera	Ulidiidae	*Euxesta (pr)*	*Euxesta* sp.	6	0.667	0.018	-4.001	-0.073
	Scenopinidae	*Scenopinus*	*Scenopinus* sp.	2	0.222	0.006	-5.100	-0.031
Odonata	Libelulidae	*Orthetrum*	*Orthetrum* sp.	1	0.111	0.003	-5.793	-0.018
	Coenagrionidae	*Agriocnemis*	*Agriocnemis* sp.	1	0.111	0.003	-5.793	-0.018
Lepidoptera	Erebidae	*Amata (Pr)*	*Amata huebneri*	8	0.889	0.024	-3.714	-0.091
Hemiptera	Reduviidae	*Zelus*	*Zelus* sp.	1	0.111	0.003	-5.793	-0.018
Dermaptera	Anisolabididae	*Euborellia*	*Euborellia annulata*	4	0.444	0.012	-4.407	-0.054
TOTAL				**328**				2.144

Tabel Lampiran 6. Indeks Keanekaragaman Arthropoda Musuh Alami pada Pertanaman jagung Perlakuan Kontrol

Ordo	Famili	Genus	Spesies	Total	Rata-rata	Pi	LnPi	Pi.Ln Pi
Hymenoptera	Formicidae	*Dolichoderus*	*Dolichoderus thoracicus*	82	9.111	0.296	-1.217	-0.360
		Odontomachus	*Odontomachus simillimus*	21	2.333	0.076	-2.579	-0.196
		Camponotus	*Camponotus* sp.	2	0.222	0.007	-4.931	-0.036
		Solenopsis	*Solenopsis* sp.	67	7.444	0.242	-1.419	-0.343
	Vespidae	*Ropalidia*	*Ropalidia* sp.	1	0.111	0.004	-5.624	-0.020
	Sphecidae	*Sphex*	*Sphex* sp.	3	0.333	0.011	-4.525	-0.049
	Chalcididae	*Brachymeria (pr)*	*Brachymeria* sp.	1	0.111	0.004	-5.624	-0.020
	Pompilidae	*Auplopus (pr)*	*Auplopus* sp	2	0.222	0.007	-4.931	-0.036
	Braconidae	*Coccygidium (pr)*	*Coccygidium* sp.	1	0.111	0.004	-5.624	-0.020
Orthoptera	Gryllidae	*Gryllidae*	*Gryllus* sp.	10	1.111	0.036	-3.321	-0.120
		Metioche	*Metioche vittaticollis*	3	0.333	0.011	-4.525	-0.049
		Anaxipha	*Anaxipha longipennis*	2	0.222	0.007	-4.931	-0.036
Coleoptera	Coccinellidae	*Menochilus*	*Menochilus sexmaculatus*	15	1.667	0.054	-2.916	-0.158
		Micraspis	*Micraspis* sp.	37	4.111	0.134	-2.013	-0.269
		Coelophora	*Coelophora reniplagiata*	2	0.222	0.007	-4.931	-0.036
		Coccinella	*Coccinella transversalis*	2	0.222	0.007	-4.931	-0.036
		Verenia	*Veramia lineata*	2	0.222	0.007	-4.931	-0.036
	Staphilinidae	*Paederus*	*Paederus fuscipes*	8	0.889	0.029	-3.545	-0.102
	Carabidae	*Ophionea*	*Ophionea* sp.	1	0.111	0.004	-5.624	-0.020
Araneae	Lycosidae	*Lycosa*	*Lycosa* sp.	4	0.444	0.014	-4.238	-0.061
	Oxyopidae	*Oxyopes*	*Oxyopes javanus*	1	0.111	0.004	-5.624	-0.020
Diptera	Ulidiidae	*Euxesta (pr)*	*Euxesta* sp.	4	0.444	0.014	-4.238	-0.061
Odonata	Libelulidae	*Orthetrum*	*Orthetrum* sp.	5	0.556	0.018	-4.015	-0.072
	Coenagrionidae	*Agriocnemis*	*Agriocnemis* sp.	1	0.111	0.004	-5.624	-0.020
TOTAL				**277**				2.177

Tabel Lampiran 7. Indeks Keanekaragaman Arthropoda Herbivora pada Pertanaman jagung Perlakuan Bioinsektisida *Beuveria Bassiana.*

Ordo	Famili	Genus	Spesies	Total	Rata-rata	Pi	LnPi	Pi.Ln Pi
Coleoptera	Nitidulidae	*Carpophilus*	*Carpophilus* sp.	36	4	0.101	-2.291	-0.232
	Chrysomelidae	*Chrysolina*	*Chrysolina* sp.	2	0.222	0.006	-5.182	-0.029
		Aulacophora	*Aulacophora* sp.	13	1.444	0.037	-3.310	-0.121
	Elateridae	*Melanotus*	*Melanotus* sp.	2	0.222	0.006	-5.182	-0.029
	Scarabaeidae	*Holotricha*	*Holotricha* sp.	1	0.111	0.003	-5.875	-0.017
		Protaetia	*Protaetia* sp.	5	0.556	0.014	-4.265	-0.060
	Coccinellidae	*Epilachna*	*Epilachna* sp.	1	0.111	0.003	-5.875	-0.017
	Cerambycidae	*Oberea*	*Oberea* sp.	1	0.111	0.003	-5.875	-0.017
Orthoptera	Pyrgomorphidae	*Atractomorpha*	*Atractomorpha lata*	14	1.556	0.039	-3.236	-0.127
	Acrididae	*Valanga*	*Valanga nigricornis*	13	1.444	0.037	-3.310	-0.121
		Locusta	*Locusta migratoria*	4	0.444	0.011	-4.489	-0.050
		Trilophidia	*Trilophidia annulata*	8	0.889	0.022	-3.795	-0.085
	Tettigoniidae	*Tettigonia*	*Tettigonia* sp.	3	0.333	0.008	-4.776	-0.040
	Gryllotalpidae	*Gryllotalpa*	*Gryllotalpa hirsuta*	1	0.111	0.003	-5.875	-0.017
Diptera	Neriidae	*Telostylinus*	*Telostylinus* sp.	3	0.333	0.008	-4.776	-0.040
	Tephritidae	*Anastrepha*	*Anastrepha fraterculus*	7	0.778	0.020	-3.929	-0.077
	Drosophilidae	*Drosophilia*	*Drosophilia melanogaster*	5	0.556	0.014	-4.265	-0.060
	Micropezidae	*Taeniaptera*	*Taeniaptera* sp.	13	1.444	0.037	-3.310	-0.121
	Syrphida	*Eumerus*	*Eumerus figurans*	1	0.111	0.003	-5.875	-0.017
Lepidoptera	Noctuidae	*Spedoptera*	*Spedoptera frugiperda*	77	8.556	0.216	-1.531	-0.331
	Crambidae	*Ostrinia*	*Ostrinia furnacalis*	57	6.333	0.160	-1.832	-0.293
Hemiptera	Derbidae	*Proutista*	*Proutista moesta*	14	1.556	0.039	-3.236	-0.127
	Plataspididae	*Brachyplatys*	*Brachyplatys* sp.	1	0.111	0.003	-5.875	-0.017
	Alydidae	*Leptocorisa*	*Leptocorisa acuta*	7	0.778	0.020	-3.929	-0.077
	Aphididae	*Rhopalosiphum*	*Rhopalosiphum maidis*	36	4	0.101	-2.291	-0.232
		Myzus	*Myzus persicae*	30	3.333	0.084	-2.474	-0.208
	Cydnidae	*Cydnus*	*Cydnus* sp.	1	0.111	0.003	-5.875	-0.017
TOTAL				356				2.578

Tabel Lampiran 8. Indeks Keanekaragaman Arthropoda Herbivora pada Pertanaman jagung Perlakuan Kontrol.

Ordo	Famili	Genus	Spesies	Total	Rata-rata	Pi	LnPi	Pi.Ln Pi
Coleoptera	Nitidulidae	*Carpophilus*	*Carpophilus* sp.	8	0.889	0.016	-4.167	-0.065
	Chrysomelidae	*Chrysolina*	*Chrysolina* sp.	5	0.556	0.010	-4.637	-0.045
		Aulacophora	*Aulacophora* sp.	5	0.556	0.010	-4.637	-0.045
		Charidotella	*Charidotella* sp.	3	0.333	0.006	-5.147	-0.030
	Elateridae	*Melanotus*	*Melanotus* sp	2	0.222	0.004	-5.553	-0.022
	Curculionidae	*Sitona*	*Sitona* sp.	1	0.111	0.002	-6.246	-0.012
Orthoptera	Pyrgomorphidae	*Atractomorpha*	*Atractomorpha lata*	12	1.333	0.023	-3.761	-0.087
	Acrididae	*Valanga*	*Valanga nigricornis*	2	0.222	0.004	-5.553	-0.022
		Locusta	*Locusta migratoria*	1	0.111	0.002	-6.246	-0.012
		Trilophidia	*Trilophidia annulata*	22	2.444	0.043	-3.155	-0.135
	Tettigoniidae	*Tettigonia*	*Tettigonia* sp.	5	0.556	0.010	-4.637	-0.045
	Gryllotalpidae	*Gryllotalpa*	*Gryllotalpa hirsuta*	2	0.222	0.004	-5.553	-0.022
Diptera	Tephritidae	*Anastrepha*	*Anastrepha fraterculus*	4	0.444	0.008	-4.860	-0.038
	Drosophilidae	*Drosophilia*	*Drosophilia melanogaster*	3	0.333	0.006	-5.147	-0.030
	Micropezidae	*Taeniaptera*	*Taeniaptera* sp.	2	0.222	0.004	-5.553	-0.022
	Syrphida	*Eumerus*	*Eumerus figurans*	2	0.222	0.004	-5.553	-0.022
Lepidoptera	Noctuidae	*Spedoptera*	*Spedoptera frugiperda*	148	16.444	0.287	-1.249	-0.358
	Crambidae	*Ostrinia*	*Ostrinia furnacalis*	205	22.778	0.397	-0.923	-0.367
	Zygaenidae	*Artona*	*Artona* sp.	1	0.111	0.002	-6.246	-0.012
Hemiptera	Derbidae	*Proutista*	*Proutista moesta*	23	2.556	0.045	-3.111	-0.139
	Plataspididae	*Brachyplatys*	*Brachyplatys* sp.	1	0.111	0.002	-6.246	-0.012
	Alydidae	*Leptocorisa*	*Leptocorisa acuta*	24	2.667	0.047	-3.068	-0.143
	Aphididae	*Rhopalosiphum*	*Rhopalosiphum maidis*	33	3.667	0.064	-2.750	-0.176
	Coreidae	*Leptoglossus*	*Leptoglossus* sp.	1	0.111	0.002	-6.246	-0.012
	Lygaeidae	*Nysius*	*Nysius* sp.	1	0.111	0.002	-6.246	-0.012
TOTAL				516				1.881

Tabel Lampiran 9. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 7 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*kontrol*
Mean	0.1612903	0.2903226
Variance	0.3397849	0.8795699
Observations	31	31
Pooled Variance	0.6096774	
Hypothesized Mean Difference	0	
Df	60	
t Stat	-0.6506	
P(T<=t) one-tail	0.2588942	
t Critical one-tail	1.6706489	
P(T<=t) two-tail	0.5177884	
t Critical two-tail	2.0002978	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 10. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 14 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*kontrol*
Mean	1.2258065	0.6129032
Variance	19.780645	2.3784946
Observations	31	31
Pooled Variance	11.07957	
Hypothesized Mean Difference	0	
df	60	
t Stat	0.7249304	
P(T<=t) one-tail	0.2356563	
t Critical one-tail	1.6706489	
P(T<=t) two-tail	0.4713125	
t Critical two-tail	2.0002978	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 11. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 21 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*Kontrol*
Mean	1.677419	0.612903
Variance	28.69247	6.111828
Observations	31	31
Pooled Variance	17.40215	
Hypothesized Mean Difference	0	
df	60	
t Stat	1.004654	
P(T<=t) one-tail	0.159549	
t Critical one-tail	1.670649	
P(T<=t) two-tail	0.319098	
t Critical two-tail	2.000298	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 12. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 28 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*Kontrol*
Mean	1.0967742	0.80645161
Variance	16.223656	7.62795699
Observations	31	31
Pooled Variance	11.925806	
Hypothesized Mean Difference	0	
Df	60	
t Stat	0.3309808	
P(T<=t) one-tail	0.3709061	
t Critical one-tail	1.6706489	
P(T<=t) two-tail	0.7418121	
t Critical two-tail	2.0002978	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 13. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 35 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*Kontrol*
Mean	1	0.645161
Variance	9.8666667	3.436559
Observations	31	31
Pooled Variance	6.6516129	
Hypothesized Mean Difference	0	
Df	60	
t Stat	0.5416682	
P(T<=t) one-tail	0.2950265	
t Critical one-tail	1.6706489	
P(T<=t) two-tail	0.590053	
t Critical two-tail	2.0002978	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 14. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 42 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*Kontrol*
Mean	1.7741935	2.096774
Variance	23.047312	25.49032
Observations	31	31
Pooled Variance	24.268817	
Hypothesized Mean Difference	0	
Df	60	
t Stat	-0.257798	
P(T<=t) one-tail	0.3987224	
t Critical one-tail	1.6706489	
P(T<=t) two-tail	0.7974448	
t Critical two-tail	2.0002978	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 15. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 49 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*Kontrol*
Mean	0.935484	1.612903
Variance	4.929032	20.04516
Observations	31	31
Pooled Variance	12.4871	
Hypothesized Mean Difference	0	
Df	60	
t Stat	-0.75473	
P(T<=t) one-tail	0.226681	
t Critical one-tail	1.670649	
P(T<=t) two-tail	0.453362	
t Critical two-tail	2.000298	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 16. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 56 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*kontrol*
Mean	0.83871	1.193548
Variance	5.473118	12.42796
Observations	31	31
Pooled Variance	8.950538	
Hypothesized Mean Difference	0	
Df	60	
t Stat	-0.46695	
P(T<=t) one-tail	0.321113	
t Critical one-tail	1.670649	
P(T<=t) two-tail	0.642225	
t Critical two-tail	2.000298	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Tabel Lampiran 17. Uji T Berpasangan Populasi Arthropoda Musuh Alami pada Pertanaman Jagung Perlakuan Kontrol dan Perlakuan yang menggunakan Bioinsektisida *Beuveria Bassiana* 63 HST.

t-Test: Two-Sample Assuming Equal Variances

	BVR	*kontrol*
Mean	1.870968	1.064516
Variance	36.44946	20.1957
Observations	31	31
Pooled Variance	28.32258	
Hypothesized Mean Difference	0	
Df	60	
t Stat	0.596592	
P(T<=t) one-tail	0.276512	
t Critical one-tail	1.670649	
P(T<=t) two-tail	0.553024	
t Critical two-tail	2.000298	

t hitung < t tabel, ho di terima, tidak berbeda nyata

Gambar Lampiran 28. Produk Benih Jagung Pulut

Gambar Lampiran 29. Produk Biounsektisida *Beauveria bassiana*

Gambar Lampiran 30. Lahan Penelitian Bioinsektisida *Beauveria Bassiana* dan Kontrol

Gambar Lampiran 31. Penanaman Jagung

Gambar Lampiran 32. Pemupukan

Gambar Lampiran 33. Pengaplikasian Bioinsektisida *Beauveria Bassiana*

Gambar Lampiran 34. Pemasangan Perangkap *Pitfall Trap*

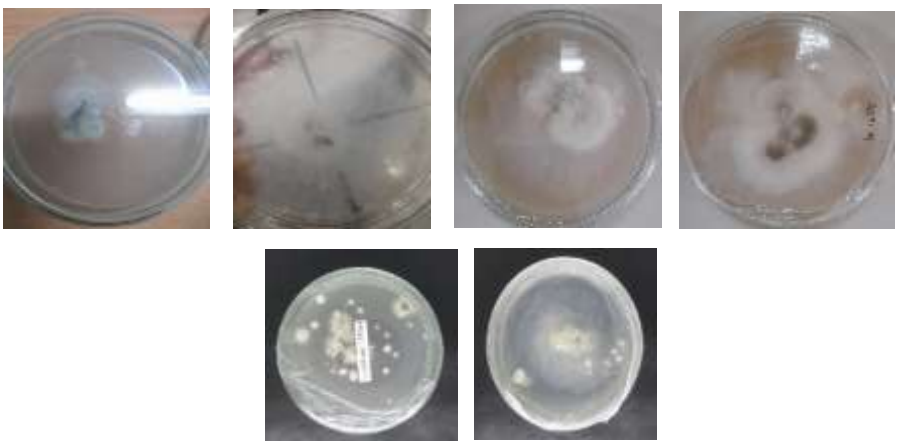
Gambar Lampiran 35. Pengambilan Serangga Metode *Sweep Net*

Gambar Lampiran 36. Pengamatan Visual

Gambar Lampiran 37. Identifikasi serangga

Gambar Lampiran 38. Pembuatan Media PDA

Gambar Lampiran 39. Proses Isolasi Serangga



Gambar Lampiran 40. Hasil Reisolasi

Gambar Lampiran 41. Serangga yang Terinfeksi Bioinsektisida *Beauveria bassiana*