



**Lampiran 1. Data Edafik dan Klimatik di Hutan Taman Gumi Banten**

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
1	1050	115° 7' 6.086" E	8° 12' 45.891" S	26,5	26,7	122,0	57%	182	48%	7
2	1049	115° 7' 5.340" E	8° 12' 45.600" S	27,8	21,8	122,0	57%	167	48%	7
3	1046	115° 7' 4.620" E	8° 12' 44.460" S	27,9	22,7	122,1	57%	176	48%	7
4	1042	115° 7' 4.886" E	8° 12' 43.937" S	27	22,9	122,0	56%	119	47%	6
5	1036	115° 7' 5.280" E	8° 12' 43.680" S	28,2	26,2	122,1	56%	285	48%	7
6	1041	115° 7' 4.680" E	8° 12' 43.500" S	28,6	25,8	122,0	57%	179	47%	6

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
7	1039	115° 7' 4.920" E	8° 12' 43.248" S	28,3	26,3	122,0	57%	189	47%	6
8	1036	115° 7' 4.826" E	8° 12' 42.955" S	27,8	25,6	122,1	57%	116	46%	5,5
9	1010	115° 7' 5.145" E	8° 12' 42.664" S	28,6	26,7	122,0	56%	187	47%	6
10	1012	115° 7' 4.829" E	8° 12' 42.106" S	27,4	29,2	122,1	56%	184	47%	6
11	1032	115° 7' 5.153" E	8° 12' 41.883" S	28,3	26,8	122,1	57%	177	48%	7
12	1030	115° 7' 4.877" E	8° 12' 41.663" S	28,5	27,9	122,0	56%	176	48%	7
13	1026	115° 7' 4.815" E	8° 12' 41.273" S	29	29,4	122,0	56%	165	46%	5,5

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
			S							
14	1030	115° 7' 4.576" E	8° 12' 41.109" S	28,8	26,8	122,1	56%	164	47%	6
15	1017	115° 7' 5.199" E	8° 12' 40.668" S	27,5	25,6	122,1	55%	164	47%	6
16	1030	115° 7' 4.879" E	8° 12' 40.464" S	28	26,9	122,0	55%	155	46%	5,5
17	995	115° 7' 5.678" E	8° 12' 40.216" S	25,8	23,8	122,1	56%	157	46%	5,5
18	1020	115° 7' 4.992" E	8° 12' 39.669" S	25,7	23,8	122,1	55%	154	48%	7
19	990	115° 7' 5.354" E	8° 12' 39.006" S	25,7	23,8	122,1	56%	147	48%	7

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
20	1010	115° 7' 4.706" E	8° 12' 38.635" S	25,6	23,4	122,0	56%	143	47%	6
21	974	115° 7' 5.160" E	8° 12' 38.140" S	25,6	23,4	122,0	55%	236	47%	6
22	1020	115° 7' 4.314" E	8° 12' 37.653" S	25,4	22,8	122,0	55%	232	47%	6
23	974	115° 7' 5.665" E	8° 12' 36.940" S	24,9	22,6	122,1	56%	139	48%	7
24	1010	115° 7' 3.540" E	8° 12' 37.160" S	24,8	22,7	122,1	55%	135	48%	7
25	982	115° 7' 5.229" E	8° 12' 34.276" S	24,5	23,5	122,0	48%	124	46%	5,5
26	1000	115° 7' 3.730" E	8° 12' 36.120" S	24,2	23,2	122,1	45%	144	46%	5,5

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
			S							
27	972	115° 7' 4.380" E	8° 12' 32.340" S	23,8	22,7	122,0	45%	165	47%	6
28	980	115° 7' 3.530" E	8° 12' 35.050" S	23,4	22,5	122,1	48%	145	47%	6
29	969	115° 7' 5.117" E	8° 12' 32.518" S	23,6	23,5	122,1	48%	142	48%	7
30	970	115° 7' 3.484" E	8° 12' 33.805" S	23,4	23,8	122,0	48%	142	48%	7
31	966	115° 7' 4.637" E	8° 12' 33.437" S	23,2	22,5	122,0	45%	145	48%	7
32	967	115° 7' 4.389" E	8° 12' 32.674" S	23,5	22,3	122,0	45%	136	47%	6

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
33	962	115° 7' 5.110" E	8° 12' 32.232" S	22,8	21,8	122,1	38%	132	47%	6
34	967	115° 7' 4.335" E	8° 12' 32.102" S	22,6	21,6	122,1	37%	125	48%	7
35	965	115° 7' 4.603" E	8° 12' 32.106" S	22,5	21,4	122,0	38%	120	47%	6
36	959	115° 7' 4.335" E	8° 12' 31.631" S	22,3	21,2	122,1	38%	118	47%	6
37	1055	115° 7' 1.627" E	8° 12' 46.439" S	29	24	122,1	57%	124	48%	7
38	1050	115° 7' 1.228" E	8° 12' 46.146" S	28,4	28	122,0	57%	166	48%	7
39	1049	115° 7' 1.952" E	8° 12' 45.256" S	28,8	25,2	112,2	55%	166	47%	6

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
			S							
40	1046	115° 7' 1.589" E	8° 12' 44.883" S	28,0	25,0	112,2	55%	156	48%	7
41	1038	115° 7' 2.281" E	8° 12' 44.489" S	29	24	122,1	56%	166	47%	6
42	1047	115° 7' 1.902" E	8° 12' 44.121" S	28,4	28	122,0	56%	159	46%	5,5
43	1045	115° 7' 1.390" E	8° 12' 43.721" S	28,8	25,2	112,2	55%	180	48%	8
44	1052	115° 7' 1.789" E	8° 12' 43.575" S	28,0	25,0	122,0	57%	185	47%	6
45	1044	115° 7' 0.944" E	8° 12' 43.414" S	28,0	25,0	112,2	55%	189	46%	5,5



Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
46	1820	115° 7' 1.158" E	8° 12' 43.243" S	29	24	122,1	56%	166	46%	5,7
47	1040	115° 7' 1.646" E	8° 12' 43.133" S	28,4	28	122,0	57%	177	48%	7
48	1010	115° 7' 1.321" E	8° 12' 42.544" S	26,8	25,9	122,1	38%	165	47%	6
49	1240	115° 7' 1.782" E	8° 12' 42.294" S	29,8	23,5	122,1	36%	145	48%	8
50	1700	115° 7' 1.406" E	8° 12' 42.055" S	30,7	25,8	122,0	36%	201	47%	6
51	1670	115° 7' 2.296" E	8° 12' 41.737" S	30,8	24,1	122,0	40%	245	48%	7
52	1018	115° 7' 1.766" E	8° 12' 40.882" S	29,7	22,1	122,1	43%	190	47%	6,5

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
			S							
53	1520	115° 7' 2.616" E	8° 12' 40.259" S	29,3	23,8	122,1	45%	207	46%	5
54	1330	115° 7' 1.781" E	8° 12' 39.948" S	29,1	23,2	122,1	48%	134	46%	5
55	1100	115° 7' 2.642" E	8° 12' 39.670" S	28,5	27,7	122,0	47%	216	47%	6
56	1009	115° 7' 2.175" E	8° 12' 39.063" S	28,8	25,9	122,1	46%	214	47%	6,5
57	1042	115° 7' 1.675" E	8° 12' 38.222" S	28,5	23,1	122,1	47%	124	48%	7
58	1732	115° 7' 2.688" E	8° 12' 38.215" S	28,5	22,5	122,1	47%	162	48%	8

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
59	1209	115° 7' 3.037" E	8° 12' 37.734" S	28,3	22,4	122,1	47%	148	48%	7,5
60	1737	115° 7' 2.774" E	8° 12' 37.521" S	27,8	26,8	122,1	55%	135	47%	6
61	1190	115° 7' 2.039" E	8° 12' 36.802" S	27,4	23,2	122,1	53%	216	47%	6
62	1766	115° 7' 2.139" E	8° 12' 36.624" S	27,4	23,1	122,1	57%	151	46%	5
63	1188	115° 7' 2.210" E	8° 12' 36.160" S	27,5	22,4	122,2	54%	134	48%	8
64	1796	115° 7' 2.891" E	8° 12' 36.459" S	27,6	22,4	122,1	55%	184	48%	7
65	1198	115° 7' 1.932" E	8° 12' 35.625" S	27,3	22,4	122,1	55%	179	47%	6,5

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
			S							
66	1170	115° 7' 2.649" E	8° 12' 35.193" S	27,5	26,3	122,1	55%	232	46%	5
67	1190	115° 7' 1.304" E	8° 12' 34.660" S	28,7	28,5	122,1	51%	217	48%	7
68	1896	115° 7' 2.320" E	8° 12' 34.383" S	27,4	24,2	122,2	55%	219	48%	8
69	1711	115° 7' 1.189" E	8° 12' 33.692" S	27,2	30,2	122,0	54%	113	46%	5
70	1932	115° 7' 2.241" E	8° 12' 33.787" S	27,2	26,8	122,1	55%	223	47%	6
71	1519	115° 7' 0.503" E	8° 12' 33.229" S	27,3	24,1	122,2	55%	262	46%	5,5

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
72	929	115° 7' 2.326" E	8° 12' 33.132" S	27,2	27,1	122,1	54%	114	47%	6
73	1153	115° 7' 0.629" E	8° 12' 32.801" S	27,2	26,6	122,1	54%	201	48%	7
74	1932	115° 7' 1.914" E	8° 12' 32.677" S	27,4	24,8	122,0	54%	231	48%	8
75	1413	115° 7' 0.333" E	8° 12' 32.402" S	27,7	23,1	122,0	51%	289	47%	6,5
76	1310	115° 7' 1.907" E	8° 12' 32.130" S	28,2	23,8	122,1	51%	212	48%	7
77	1300	115° 7' 0.113" E	8° 12' 31.968" S	28,8	27,5	122,0	52%	174	48%	7
78	1101	115° 7' 2.293" E	8° 12' 31.620" S	28,9	25,1	122,0	51%	218	47%	6

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
			S							
79	1315	115° 7' 0.153" E	8° 12' 31.567" S	29,5	24,1	122,1	47%	198	48%	8
80	1984	115° 7' 2.380" E	8° 12' 31.148" S	29,1	26,2	122,0	48%	201	48%	7
81	1620	115° 6' 59.747" E	8° 12' 30.986" S	29,1	25,2	122,1	51%	119	47%	6,5
82	1456	115° 7' 1.265" E	8° 12' 30.589" S	28,9	25,4	122,1	50%	152	48%	7
83	1590	115° 7' 0.009" E	8° 12' 30.705" S	28,5	26,2	122,1	51%	208	46%	5,5
84	1989	115° 7' 1.809" E	8° 12' 30.147" S	28,5	24,2	122,0	52%	202	47%	6

Kuadrat	Ketinggian Tempat			Suhu Udara (0C)		Tingkat Kebisingan	Kelembapan Udara (%)	Intensitas Cahaya (lux)	Bahan Organik Tanah (%)	pH Tanah
	Altitude (mdpl)	Longitude	Latitude	In	Out					
85	1978	115° 7' 0.469" E	8° 12' 30.032" S	28,5	25,5	122,1	52%	228	48%	7
86	1800	115° 7' 1.338" E	8° 12' 29.367" S	28,5	26,4	122,1	51%	172	48%	8
<b>Total</b>				<b>2.350</b>	<b>2.126</b>	<b>10.458</b>	<b>4.427</b>	<b>134.935</b>	<b>4.020</b>	<b>553</b>
<b>Rata-rata</b>				<b>27,3</b>	<b>24,7</b>	<b>122</b>	<b>51</b>	<b>173,662</b>	<b>47</b>	<b>6,4</b>





### Lampiran 3. Data Hasil Perhitungan Indeks Keanekaragaman ( $H'$ ), kekayaan jenis, pemerataan pada plot penelitian

No	Nama Spesies	Zona I		ni	n/N (pi)	Ln Pi	pi (ln pi)	R	E	C
		Stasiun I	Stasiun II							
1	Tettigidea lateris	5	1	6	0.07317073	-2.614959778	-0.19133852	4.4067192	3.33220451	0.005
2	Gryllus assimilis	2	7	9	0.1097561	-2.20949467	-0.24250551	6.1270071	0.93529728	0.012
3	Hexacentrus japonicus	2	0	2	0.02439024	-3.713572067	-0.09057493			0.001
4	Tettigidea Sp	2	0	2	0.02439024	-3.713572067	-0.09057493			0.001
5	Teleogryllus emma	1	1	2	0.02439024	-3.713572067	-0.09057493			0.001
6	Acheta domesticus	2	0	2	0.02439024	-3.713572067	-0.09057493			0.001
7	Oxya serville	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
8	Gryllus campestris	0	3	3	0.03658537	-3.308106959	-0.1210283			0.001
9	Dolichoderus thoracicus	3	0	3	0.03658537	-3.308106959	-0.1210283			0.001
10	Camponotus pennsylvanicus	4	7	11	0.13414634	-2.008823974	-0.26947639			0.018
11	Solenopsis invicta	0	3	3	0.03658537	-3.308106959	-0.1210283			0.001
12	Harpactorinae Sp	1	0	1	0.01219512	-4.406719247	-0.05374048			0.000
13	Gonocerus acuteangulatus	0	1	1	0.01219512	-4.406719247	-0.05374048			0.000
14	Leptopterna dolabrata	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
15	Triatoma sanguisuga	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
16	Riptortus linearis	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
17	Lampyrus noctiluca	3	0	3	0.03658537	-3.308106959	-0.1210283			0.001
18	Undertemned harpaline	2	0	2	0.02439024	-3.713572067	-0.09057493			0.001
19	Epilachna admirabilis	2	0	2	0.02439024	-3.713572067	-0.09057493			0.001
20	Rhagonycha fulva	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
21	Harpatus rufipes	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
22	Acanthoscelides obtectus	0	3	3	0.03658537	-3.308106959	-0.1210283			0.001
23	Blaptica dubia	1	0	1	0.01219512	-4.406719247	-0.05374048			0.000
24	Periplaneta americana	4	0	4	0.04878049	-3.020424886	-0.1473378			0.002
25	Princisia vanwaerebeki	3	0	3	0.03658537	-3.308106959	-0.1210283			0.001
26	Heterothrips salicis	3	1	4	0.04878049	-3.020424886	-0.1473378			0.002
27	Porcellio pumicatus	0	2	2	0.02439024	-3.713572067	-0.09057493			0.001
28	Forficula auricularia	0	1	1	0.01219512	-4.406719247	-0.05374048			0.000
ni		82					3.116601823			0.057

No	Nama Spesies	Zona II		ni	n/N (pi)	Ln Pi	pi (ln pi)	R	E	C
		Stasiun III	Stasiun IV							
1	Gryllus assimilis	14	7	21	0.22826087	-1.47727	-0.3372	4.521789	2.772589	0.052
2	Tettigidea Sp	6	0	6	0.065217391	-2.73003	-0.17805	3.317271	0.81522	0.004
3	Teleogryllus emma	1	0	1	0.010869565	-4.52179	-0.04915			0.000
4	Camponotus pennsylvanicus	15	1	16	0.173913043	-1.7492	-0.30421			0.030
5	Ochetellus Sp	0	16	16	0.173913043	-1.7492	-0.30421			0.030
6	Apis mellifera	0	2	2	0.02173913	-3.82864	-0.08323			0.000
7	Gonocerus acuteangulatus	1	1	2	0.02173913	-3.82864	-0.08323			0.000
8	Miridae Sp	1	0	1	0.010869565	-4.52179	-0.04915			0.000
9	Largidae Sp	0	1	1	0.010869565	-4.52179	-0.04915			0.000
10	Pterostichus melanarius	2	0	2	0.02173913	-3.82864	-0.08323			0.000
11	Blaptica dubia	2	0	2	0.02173913	-3.82864	-0.08323			0.000
12	Periplaneta americana	1	1	2	0.02173913	-3.82864	-0.08323			0.000
13	Blatella germanica	5	0	5	0.054347826	-2.91235	-0.15828			0.003
14	Forficula auricularia	10	1	11	0.119565217	-2.12389	-0.25394			0.014
15	Musca domestica	3	0	3	0.032608696	-3.42318	-0.11163			0.001
16	Panorpa communis	0	1	1	0.010869565	-4.52179	-0.04915			0.000
ni				92			2.26027			0.138

**Lampiran 3. Data Hasil Perhitungan Indeks Keanekaragaman ( $H'$ ) perstasiun**

<b>Spesies</b>	<b>STASIUN I</b>	<b>Pi (ni/N)</b>	<b>LnPi</b>	<b>Pi.LnPi</b>
Tettigidea lateris	5	0.125	-2.079441542	-0.2599302
Gryllus assimilis	2	0.05	-2.995732274	-0.1497866
Dolichoderus thoracicus	2	0.05	-2.995732274	-0.1497866
Harpactorinae Sp	2	0.05	-2.995732274	-0.1497866
Heterothrips salicis	1	0.025	-3.688879454	-0.092222
Hexacentrus japonicus	2	0.05	-2.995732274	-0.1497866
Blaptica dubia	0	0	0	0
Periplaneta americana	0	0	0	0
Lampyris noctiluca	3	0.075	-2.590267165	-0.19427
Undertemined harpaline	4	0.1	-2.302585093	-0.2302585
Princisia vanwaerebeki	0	0	0	0
Camponotus pennsylvanicus	0	0	0	0
Tettigidea Sp	0	0	0	0
Teleogryllus emma	1	0.025	-3.688879454	-0.092222
Acheta domesticus	0	0	0	0
Epilachna admirabilis	0	0	0	0
Gonocerus acuteangulatus	0	0	0	0
Rhagonycha fulva	0	0	0	0
Leptopterna dolabrata	0	0	0	0
Porcellio pumicatus	0	0	0	0
Solenopsis invicta	3	0.075	0	0
Triatoma sanguisuga	2	0.05	0	0
Harpatus rufipes	2	0.05	0	0
Acanthoscelides obtectus	0	0	0	0
Oxya serville	0	0	0	0
Forficula auricularia	0	0	0	0
Riptortus linearis	0	0	0	0
Gryllus campestris	1	0.025	0	0
Miridae Sp	4	0.1	0	0
Blatella germanica	3	0.075	0	0
Pterostichus melanarius	0	0	0	0
Musca domestica	3	0.075	0	0
Panorpa communis	0	0	0	0
Ochetellus Sp	0	0	0	0
Apis mellifera	0	0	0	0
Largidae Sp	0	0	0	0
<b>Total</b>	<b>40</b>		<b>H'</b>	<b>1.46804917</b>

Spesies	STASIUN II	Pi (ni/N)	LnPi	Pi.LnPi
Tettigidea lateris	1	0.025	-3.68888	-0.09222
Gryllus assimilis	7	0.175	-1.74297	-0.30502
Dolichoderus thoracicus	0	0	0	0
Harpactorinae Sp	0	0	0	0
Heterothrips salicis	1	0.025	-3.68888	-0.09222
Hexacentrus japonicus	0	0	0	0
Blaptica dubia	2	0.05	0	0
Periplaneta americana	3	0.075	0	0
Lampyrus noctiluca	0	0	0	0
Undertemined harpaline	7	0.175	0	0
Princisia vanwaerebeki	3	0.075	0	0
Camponotus pennsylvanicus	0	0	0	0
Tettigidea Sp	0	0	0	0
Teleogryllus emma	0	0	0	0
Acheta domesticus	1	0.025	0	0
Epilachna admirabilis	2	0.05	0	0
Gonocerus acuteangulatus	2	0.05	0	0
Rhagonycha fulva	2	0.05	0	0
Leptopterna dolabrata	0	0	0	0
Porcellio pumicatus	0	0	0	0
Solenopsis invicta	0	0	0	0
Triatoma sanguisuga	0	0	0	0
Harpatus rufipes	0	0	0	0
Acanthoscelides obtectus	2	0.05	0	0
Oxya serville	2	0.05	0	0
Forficula auricularia	3	0.075	0	0
Riptortus linearis	0	0	0	0
Gryllus campestris	0	0	0	0
Miridae Sp	0	0	0	0
Blatella germanica	0	0	0	0
Pterostichus melanarius	0	0	0	0
Musca domestica	1	0.025	0	0
Panorpa communis	2	0.05	0	0
Ochetellus Sp	1	0.025	0	0
Apis mellifera	0	0	0	0
Largidae Sp	0	0	0	0
<b>Total</b>	<b>42</b>			<b>0.489464</b>

Spesies	STASIUN III	Pi (ni/N)	LnPi	Pi.LnPi
Tettigidea lateris	0	0	0	0
Gryllus assimilis	14	0.35	-1.04982	-0.36744
Dolichoderus thoracicus	0	0	0	0
Harpactorinae Sp	6	0.15	0	0
Heterothrips salicis	1	0.025	0	0
Hexacentrus japonicus	0	0	0	0
Blaptica dubia	0	0	0	0
Periplaneta americana	0	0	0	0
Lampyris noctiluca	0	0	0	0
Undertemined harpaline	15	0.375	0	0
Princisia vanwaerebeki	0	0	0	0
Camponotus pennsylvanicus	0	0	0	0
Tettigidea Sp	0	0	0	0
Teleogryllus emma	0	0	0	0
Acheta domesticus	1	0.025	0	0
Epilachna admirabilis	0	0	0	0
Gonocerus acuteangulatus	0	0	0	0
Rhagonycha fulva	0	0	0	0
Leptopterna dolabrata	1	0.025	0	0
Porcellio pumicatus	0	0	0	0
Solenopsis invicta	0	0	0	0
Triatoma sanguisuga	0	0	0	0
Harpatus rufipes	0	0	0	0
Acanthoscelides obtectus	0	0	0	0
Oxya serville	0	0	0	0
Forficula auricularia	0	0	0	0
Riptortus linearis	2	0.05	0	0
Gryllus campestris	2	0.05	0	0
Miridae Sp	1	0.025	0	0
Blatella germanica	0	0	0	0
Pterostichus melanarius	5	0.125	0	0
Musca domestica	0	0	0	0
Panorpa communis	0	0	0	0
Ochetellus Sp	10	0.25	0	0
Apis mellifera	3	0.075	0	0
Largidae Sp	0	0	0	0
<b>Total</b>	<b>61</b>			<b>0.367438</b>

Spesies	STASIUN IV	Pi (ni/N)	LnPi	Pi.LnPi
Tettigidea lateris	0	0	0	0
Gryllus assimilis	7	0.175	-1.74297	-0.30502
Dolichoderus thoracicus	0	0	0	0
Harpactorinae Sp	0	0	0	0
Heterothrips salicis	0	0	0	0
Hexacentrus japonicus	0	0	0	0
Blaptica dubia	0	0	0	0
Periplaneta americana	0	0	0	0
Lampyris noctiluca	0	0	0	0
Undertemined harpaline	1	0.025	0	0
Princisia vanwaerebeki	0	0	0	0
Camponotus pennsylvanicus	16	0.4	-0.91629	-0.36652
Tettigidea Sp	2	0.05	0	0
Teleogryllus emma	0	0	0	0
Acheta domesticus	1	0.025	0	0
Epilachna admirabilis	0	0	0	0
Gonocerus acuteangulatus	0	0	0	0
Rhagonycha fulva	0	0	0	0
Leptopterna dolabrata	0	0	0	0
Porcellio pumicatus	1	0.025	0	0
Solenopsis invicta	0	0	0	0
Triatoma sanguisuga	0	0	0	0
Harpatus rufipes	0	0	0	0
Acanthoscelides obtectus	0	0	0	0
Oxya serville	0	0	0	0
Forficula auricularia	0	0	0	0
Riptortus linearis	0	0	0	0
Gryllus campestris	0	0	0	0
Miridae Sp	1	0.025	0	0
Blatella germanica	0	0	0	0
Pterostichus melanarius	0	0	0	0
Musca domestica	0	0	0	0
Panorpa communis	0	0	0	0
Ochetellus Sp	1	0.025	0	0
Apis mellifera	0	0	0	0
Largidae Sp	1	0.025	0	0
<b>Total</b>	<b>31</b>			<b>0.671536</b>

#### Lampiran 4. Data Hasil Perhitungan Kekayaan Spesies (R)

##### Stasiun I

No	Spesies	Jumlah Individu
1	<i>Tettigidea lateris</i>	5
2	<i>Gryllus assimilis</i>	2
3	<i>Hexacentrus japonicus</i>	2
4	<i>Tettigidea Sp</i>	2
5	<i>Teleogryllus emma</i>	1
6	<i>Acheta domesticus</i>	2
7	<i>Dolichoderus thoracicus</i>	3
8	<i>Camponotus pennsylvanicus</i>	4
9	<i>Harpactorinae Sp</i>	1
10	<i>Lampyris noctiluca</i>	3
11	Undertemined harpaline	2
12	<i>Epilachna admirabilis</i>	2
13	<i>Blaptica dubia</i>	1
14	<i>Periplaneta americana</i>	4
15	<i>Princisia vanwaerebeki</i>	3
16	<i>Heterothrips salicis</i>	3
	<b>Total</b>	<b>40</b>
	<b>Indeks Kekayaan Jenis</b>	<b>3.688879454</b>
	<b>R</b>	<b>4.06627546</b>

**Stasiun II**

No	Spesies	Jumlah Individu
1	<i>Tettigidea lateris</i>	1
2	<i>Gryllus assimilis</i>	7
3	<i>Teleogryllus emma</i>	1
4	<i>Oxya serville</i>	2
5	<i>Gryllus campestris</i>	3
6	<i>Camponotus pennsylvanicus</i>	7
7	<i>Solenopsis invicta</i>	3
8	<i>Gonocerus acuteangulatus</i>	1
9	<i>Leptopterna dolabrata</i>	2
10	<i>Triatoma sanguisuga</i>	2
11	<i>Riptortus linearis</i>	2
12	<i>Rhagonycha fulva</i>	2
13	<i>Harpatus rufipes</i>	2
14	<i>Acanthoscelides obtectus</i>	3
15	<i>Heterothrips salicis</i>	1
16	<i>Porcellio pumicatus</i>	2
17	<i>Forficula auricularia</i>	1
	<b>Total</b>	<b>42</b>
	<b>Indeks Kekayaan Jenis</b>	<b>3.737669618</b>
		<b>4.280742183</b>

## Stasiun III

No	Spesies	Jumlah Individu
1	Gryllus assimilis	14
2	Tettigidea Sp	6
3	Teleogryllus emma	1
4	Camponotus pennsylvanicus	15
5	Gonocerus acuteangulatus	1
6	Miridae Sp	1
7	Pterostichus melanarius	2
8	Blaptica dubia	2
9	Periplaneta americana	1
10	Blatella germanica	5
11	Forficula auricularia	10
12	Musca domestica	3
	<b>Total</b>	<b>61</b>
	<b>Indeks Kekayaan Jenis</b>	<b>4.110873864</b>
		<b>2.675830094</b>

## Stasiun IV

No	Spesies	Jumlah Individu
1	Gryllus assimilis	7
2	Camponotus pennsylvanicus	1
3	Ochetellus Sp	16
4	Apis mellifera	2
5	Gonocerus acuteangulatus	1
6	Largidae Sp	1
7	Periplaneta americana	1
8	Forficula auricularia	1
9	Panorpa communis	1
	<b>Total</b>	<b>31</b>
	<b>Indeks Kekayaan Jenis</b>	<b>3.433987204</b>
		<b>2.32965341</b>



#### Lampiran 4. Data Hasil Perhitungan Kemerataan Spesies (E)

##### Stasiun I

No	Spesies	Jumlah Individu
1	<i>Tettigidea lateris</i>	5
2	<i>Gryllus assimilis</i>	2
3	<i>Hexacentrus japonicus</i>	2
4	<i>Tettigidea Sp</i>	2
5	<i>Teleogryllus emma</i>	1
6	<i>Acheta domesticus</i>	2
7	<i>Dolichoderus thoracicus</i>	3
8	<i>Camponotus pennsylvanicus</i>	4
9	<i>Harpactorinae Sp</i>	1
10	<i>Lampyrus noctiluca</i>	3
11	Undertemined harpaline	2
12	<i>Epilachna admirabilis</i>	2
13	<i>Blaptica dubia</i>	1
14	<i>Periplaneta americana</i>	4
15	<i>Princisia vanwaerebeki</i>	3
16	<i>Heterothrips salicis</i>	3
	<b>Total</b>	<b>40</b>
	<b>H'</b>	<b>1.46804917</b>
		<b>2.772588722</b>
	<b>E</b>	<b>0.529486814</b>

**Stasiun II**

No	Spesies	Jumlah Individu
1	<i>Tettigidea lateris</i>	1
2	<i>Gryllus assimilis</i>	7
3	<i>Teleogryllus emma</i>	1
4	<i>Oxya serville</i>	2
5	<i>Gryllus campestris</i>	3
6	<i>Camponotus pennsylvanicus</i>	7
7	<i>Solenopsis invicta</i>	3
8	<i>Gonocerus acuteangulatus</i>	1
9	<i>Leptopterna dolabrata</i>	2
10	<i>Triatoma sanguisuga</i>	2
11	<i>Riptortus linearis</i>	2
12	<i>Rhagonycha fulva</i>	2
13	<i>Harpatus rufipes</i>	2
14	<i>Acanthoscelides obtectus</i>	3
15	<i>Heterothrips salicis</i>	1
16	<i>Porcellio pumicatus</i>	2
17	<i>Forficula auricularia</i>	1
	Total	42
	<b>H'</b>	<b>0.489464</b>
		<b>2.833213344</b>
	<b>E</b>	<b>0.172759316</b>

**Stasiun III**

No	Spesies	Jumlah Individu
1	<i>Gryllus assimilis</i>	14
2	<i>Tettigidea Sp</i>	6
3	<i>Teleogryllus emma</i>	1
4	<i>Camponotus pennsylvanicus</i>	15
5	<i>Gonocerus acuteangulatus</i>	1
6	<i>Miridae Sp</i>	1
7	<i>Pterostichus melanarius</i>	2
8	<i>Blaptica dubia</i>	2
9	<i>Periplaneta americana</i>	1
10	<i>Blatella germanica</i>	5
11	<i>Forficula auricularia</i>	10
12	<i>Musca domestica</i>	3
	<b>Total</b>	<b>61</b>
	<b>H'</b>	<b>0.367438</b>
		<b>2.48490665</b>
	<b>E</b>	<b>0.147867929</b>

**Stasiun IV**

No	Spesies	Jumlah Individu
1	<i>Gryllus assimilis</i>	7
2	<i>Camponotus pennsylvanicus</i>	1
3	<i>Ochetellus Sp</i>	16
4	<i>Apis mellifera</i>	2
5	<i>Gonocerus acuteangulatus</i>	1
6	<i>Largidae Sp</i>	1
7	<i>Periplaneta americana</i>	1
8	<i>Forficula auricularia</i>	1
9	<i>Panorpa communis</i>	1
	<b>Total</b>	<b>31</b>
	<b>H'</b>	<b>0.671536</b>
		<b>2.197224577</b>
	<b>E</b>	<b>0.305629205</b>

**Lampiran 5. Data Hasil Perhitungan Indeks Dominansi (D)**

<b>Spesies</b>	<b>STASIUN I</b>	<b>Pi (ni/N)</b>	<b>indeks dominansi</b>
Tettigidea lateris	5	0.125	0.016
Gryllus assimilis	2	0.05	0.003
Dolichoderus thoracicus	2	0.05	0.003
Harpactorinae Sp	2	0.05	0.003
Heterothrips salicis	1	0.025	0.001
Hexacentrus japonicus	2	0.05	0.003
Blaptica dubia	0	0	0.000
Periplaneta americana	0	0	0.000
Lampyrus noctiluca	3	0.075	0.006
Undertemined harpaline	4	0.1	0.010
Princisia vanwaerebeki	0	0	0.000
Camponotus pennsylvanicus	0	0	0.000
Tettigidea Sp	0	0	0.000
Teleogryllus emma	1	0.025	0.001
Acheta domesticus	0	0	0.000
Epilachna admirabilis	0	0	0.000
Gonocerus acuteangulatus	0	0	0.000
Rhagonycha fulva	0	0	0.000
Leptopterna dolabrata	0	0	0.000
Porcellio pumicatus	0	0	0.000
Solenopsis invicta	3	0.075	0.006
Triatoma sanguisuga	2	0.05	0.003
Harpatus rufipes	2	0.05	0.003
Acanthoscelides obtectus	0	0	0.000
Oxya serville	0	0	0.000
Forficula auricularia	0	0	0.000
Riptortus linearis	0	0	0.000
Gryllus campestris	1	0.025	0.001
Miridae Sp	4	0.1	0.010
Blatella germanica	3	0.075	0.006
Pterostichus melanarius	0	0	0.000
Musca domestica	3	0.075	0.006
Panorpa communis	0	0	0.000
Ochetellus Sp	0	0	0.000
Apis mellifera	0	0	0.000
Largidae Sp	0	0	0.000
<b>Total</b>	<b>40</b>		<b>0.075</b>

Spesies	STASIUN II	Pi (ni/N)	indeks dominansi
Tettigidea lateris	1	0.025	0.001
Gryllus assimilis	7	0.175	0.031
Dolichoderus thoracicus	0	0	0.000
Harpactorinae Sp	0	0	0.000
Heterothrips salicis	1	0.025	0.001
Hexacentrus japonicus	0	0	0.000
Blaptica dubia	2	0.05	0.003
Periplaneta americana	3	0.075	0.006
Lampyris noctiluca	0	0	0.000
Undertemined harpaline	7	0.175	0.031
Princisia vanwaerebeki	3	0.075	0.006
Camponotus pennsylvanicus	0	0	0.000
Tettigidea Sp	0	0	0.000
Teleogryllus emma	0	0	0.000
Acheta domesticus	1	0.025	0.001
Epilachna admirabilis	2	0.05	0.003
Gonocerus acuteangulatus	2	0.05	0.003
Rhagonycha fulva	2	0.05	0.003
Leptopterna dolabrata	0	0	0.000
Porcellio pumicatus	0	0	0.000
Solenopsis invicta	0	0	0.000
Triatoma sanguisuga	0	0	0.000
Harpatus rufipes	0	0	0.000
Acanthoscelides obtectus	2	0.05	0.003
Oxya serville	2	0.05	0.003
Forficula auricularia	3	0.075	0.006
Riptortus linearis	0	0	0.000
Gryllus campestris	0	0	0.000
Miridae Sp	0	0	0.000
Blatella germanica	0	0	0.000
Pterostichus melanarius	0	0	0.000
Musca domestica	1	0.025	0.001
Panorpa communis	2	0.05	0.003
Ochetellus Sp	1	0.025	0.001
Apis mellifera	0	0	0.000
Largidae Sp	0	0	0.000
<b>Total</b>	<b>42</b>		<b>0.099</b>

Spesies	STASIUN III	Pi (ni/N)	indeks dominansi
Tettigidea lateris	0	0	0.000
Gryllus assimilis	14	0.35	0.123
Dolichoderus thoracicus	0	0	0.000
Harpactorinae Sp	6	0.15	0.023
Heterothrips salicis	1	0.025	0.001
Hexacentrus japonicus	0	0	0.000
Blaptica dubia	0	0	0.000
Periplaneta americana	0	0	0.000
Lampyris noctiluca	0	0	0.000
Undertemined harpaline	15	0.375	0.141
Princisia vanwaerebeki	0	0	0.000
Camponotus pennsylvanicus	0	0	0.000
Tettigidea Sp	0	0	0.000
Teleogryllus emma	0	0	0.000
Acheta domesticus	1	0.025	0.001
Epilachna admirabilis	0	0	0.000
Gonocerus acuteangulatus	0	0	0.000
Rhagonycha fulva	0	0	0.000
Leptopterna dolabrata	1	0.025	0.001
Porcellio pumicatus	0	0	0.000
Solenopsis invicta	0	0	0.000
Triatoma sanguisuga	0	0	0.000
Harpatus rufipes	0	0	0.000
Acanthoscelides obtectus	0	0	0.000
Oxya serville	0	0	0.000
Forficula auricularia	0	0	0.000
Riptortus linearis	2	0.05	0.003
Gryllus campestris	2	0.05	0.003
Miridae Sp	1	0.025	0.001
Blatella germanica	0	0	0.000
Pterostichus melanarius	5	0.125	0.016
Musca domestica	0	0	0.000
Panorpa communis	0	0	0.000
Ochetellus Sp	10	0.25	0.063
Apis mellifera	3	0.075	0.006
Largidae Sp	0	0	0.000
<b>Total</b>			<b>0.377</b>
	61		

<b>Spesies</b>	<b>STASIUN IV</b>	<b>Pi (ni/N)</b>	<b>indeks dominansi</b>
Tettigidea lateris	0	0	0.000
Gryllus assimilis	7	0.175	0.031
Dolichoderus thoracicus	0	0	0.000
Harpactorinae Sp	0	0	0.000
Heterothrips salicis	0	0	0.000
Hexacentrus japonicus	0	0	0.000
Blaptica dubia	0	0	0.000
Periplaneta americana	0	0	0.000
Lampyrus noctiluca	0	0	0.000
Undertemined harpaline	1	0.025	0.001
Princisia vanwaerebeki	0	0	0.000
Camponotus pennsylvanicus	16	0.4	0.160
Tettigidea Sp	2	0.05	0.003
Teleogryllus emma	0	0	0.000
Acheta domesticus	1	0.025	0.001
Epilachna admirabilis	0	0	0.000
Gonocerus acuteangulatus	0	0	0.000
Rhagonycha fulva	0	0	0.000
Leptopterna dolabrata	0	0	0.000
Porcellio pumicatus	1	0.025	0.001
Solenopsis invicta	0	0	0.000
Triatoma sanguisuga	0	0	0.000
Harpatus rufipes	0	0	0.000
Acanthoscelides obtectus	0	0	0.000
Oxya serville	0	0	0.000
Forficula auricularia	0	0	0.000
Riptortus linearis	0	0	0.000
Gryllus campestris	0	0	0.000
Miridae Sp	1	0.025	0.001
Blatella germanica	0	0	0.000
Pterostichus melanarius	0	0	0.000
Musca domestica	0	0	0.000
Panorpa communis	0	0	0.000
Ochetellus Sp	1	0.025	0.001
Apis mellifera	0	0	0.000
Largidae Sp	1	0.025	0.001
<b>Total</b>	<b>31</b>		<b>0.197</b>

## Lampiran 5. Dokumentasi pengambilan data dan pengukuran faktor lingkungan



Pengukuran pH Tanah



Pengukuran pH Tanah



Pengukuran Intensitas Cahaya



Mengukur pH tanah pada plot penelitian





Plot Sampel Penelitian



Plot Sampel Penelitian



Lokasi Stasiun Penelitian

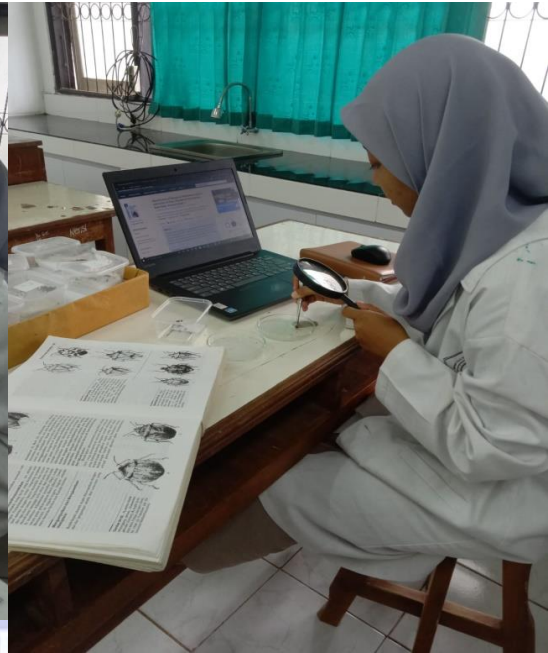


*Hand Collecting serangga tanah*





Identifikasi Serangga Tanah di Laboratorium



Identifikasi Serangga Tanah di Laboratorium



## RIWAYAT HIDUP



Penulis bernama Echa Amalia dilahirkan pada tanggal 11 Oktober 1999 di Negara dari pasangan Bapak Apep Kosasih dan Ibu Mariyatul Kibtiyah, Setelah tamat dari MIN 4 Jembrana pada Tahun 2012. Anak pertama dari dua bersaudara ini melanjutkan pendidikan di MTsN 3 Jembrana dan lulus pada tahun 2015 kemudian penulis melanjutkan pendidikan di MAN 1 Jembrana dan lulus Pada tahun 2018. Selanjutnya penulis menempuh pendidikan S1 pada Prodi Pendidikan Biologi di Universitas Pendidikan Ganesha dari tahun 2018 sampai saat ini memasuki semester akhir penulis melakukan penelitian dengan judul “Keanekaragaman Serangga Tanah Sebagai Dekomposer Kayu Mati Kawasan Taman Gumi Banten Hutan Desa Wanagiri Buleleng”.

