

V. SIMPULAN DAN SARAN

A. Simpulan

Berdasarkan penelitian yang telah dilakukan, maka didapatkan simpulan sebagai berikut:

1. Dosis pemberian tepung larva *Black Soldier Fly* (*Hermetia illucens*) berpengaruh terhadap pertumbuhan udang Karidina (*Neocaridina davidi*). Perlakuan yang paling baik pemberian tepung larva *Black Soldier Fly* (*Hermetia illucens*) adalah sebanyak 500 gram berdasarkan hasil pengukuran berat mutlak, panjang mutlak, laju pertumbuhan spesifik dan sintasan hidup udang yang paling tinggi dibanding perlakuan lainnya.
2. Parameter air berupa suhu, oksigen terlarut, kekerasan umum (GH), dan *Total Dissolved Solid* dari pemberian pakan berbasis tepung larva *Black Soldier Fly* (*Hermetia illucens*) masih berada dalam kisaran optimal atau masih dalam kisaran aman untuk pemeliharaan, namun pakan berbasis tepung larva *Black Soldier Fly* (*Hermetia illucens*) mempengaruhi parameter pH dan kadar ammonia yang cukup tidak aman bagi pemeliharaan.

B. Saran

Perlu dilakukan penelitian lanjutan tentang pengaruh pemberian tepung larva *Black Soldier Fly* (*Hermetia illucens*) terhadap kematangan gonad dan pertumbuhan populasi karena terdapat banyak indukan betina udang Karidina (*Neocaridina davidi*) yang bertelur pada akhir penelitian.

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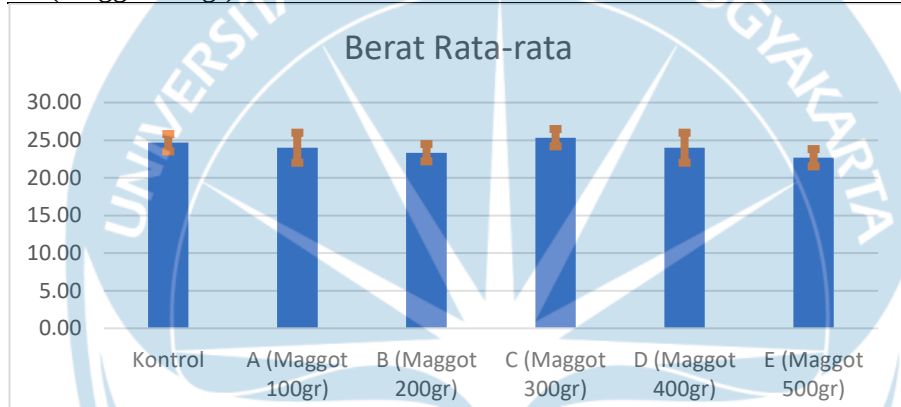
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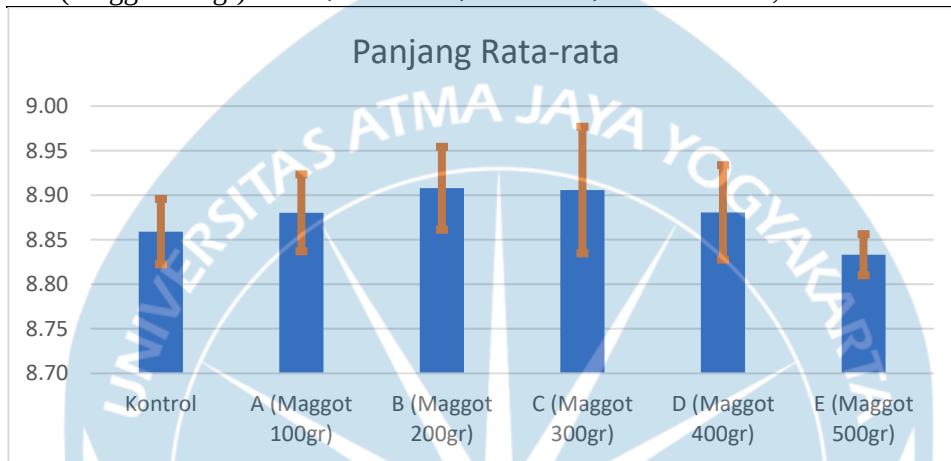
Lampiran 1. Pengukuran Sebelum Penelitian

Perlakuan	Ulangan			Berat Rata-rata (mg)	Standar Deviasi
	1	2	3		
Kontrol	24,00	26,00	24,00	24,67	1,15
A (Maggot 100gr)	22,00	24,00	26,00	24,00	2,00
B (Maggot 200gr)	22,00	24,00	24,00	23,33	1,15
C (Maggot 300gr)	26,00	24,00	26,00	25,33	1,15
D (Maggot 400gr)	26,00	24,00	22,00	24,00	2,00
E (Maggot 500gr)	24,00	22,00	22,00	22,67	1,15



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02
0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03
0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.01	0.02	0.03	0.02
0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.03
0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.02	0.03	0.02	0.03
0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.03
0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.03
0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.02
0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.02
0.03	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.02	0.02	0.02	0.04	0.02	0.02	0.01	0.03	0.02	0.02	0.02	0.02	0.03	0.02	0.03
0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.03
0.03	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02
0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03
0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.03
0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.02	0.03	0.03
0.02	0.02	0.02	0.03	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03
0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02
0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.03	0.03
0.03	0.02	0.03	0.03	0.02	0.02	0.01	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02
0.02	0.03	0.04	0.01	0.03	0.03	0.03	0.03	0.01	0.03	0.04	0.02	0.03	0.01	0.03	0.03	0.02	0.02
0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.01	0.03	0.03	0.02
0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.02	0.02
0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.03	0.03
0.01	0.04	0.03	0.01	0.02	0.03	0.01	0.02	0.02	0.03	0.04	0.02	0.04	0.02	0.01	0.02	0.04	0.03
0.024	0.026	0.024	0.024	0.024	0.024	0.022	0.024	0.024	0.026	0.024	0.026	0.026	0.026	0.026	0.026	0.028	0.026

Perlakuan	Ulangan			Panjang Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	8,82	8,84	8,91	8,86	0,037
A (Maggot 100gr)	8,83	8,93	8,88	8,88	0,043
B (Maggot 200gr)	8,85	8,96	8,91	8,91	0,047
C (Maggot 300gr)	8,81	8,98	8,92	8,91	0,071
D (Maggot 400gr)	8,90	8,81	8,94	8,88	0,053
E (Maggot 500gr)	8,86	8,81	8,83	8,83	0,023



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.91	8.81	8.94	8.85	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.91	8.91	8.81	8.93	8.87	8.81	8.83
8.82	8.85	8.91	8.83	8.93	8.88	8.86	8.96	8.91	8.81	8.98	8.93	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.89	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.82
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.97	8.92	8.9	8.81	8.95	8.86	8.81	8.82
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.92	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.85	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.8	8.98	8.93	8.9	8.81	8.95	8.86	8.81	8.83
8.82	8.83	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.82	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.86	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.81	8.84	8.91	8.83	8.93	8.88	8.86	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.92	8.83	8.93	8.88	8.85	8.96	8.91	8.8	8.99	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.9	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.83	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.87	8.81	8.83
8.81	8.83	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.9	8.84	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.85	8.91	8.83	8.93	8.88	8.85	8.95	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.86	8.97	8.91	8.81	8.97	8.92	8.91	8.81	8.94	8.86	8.81	8.82
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.81	8.84	8.91	8.83	8.93	8.88	8.86	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.93	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.8	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.8	8.83
8.82	8.84	8.91	8.83	8.93	8.89	8.85	8.96	8.91	8.81	8.97	8.92	8.9	8.82	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.81	8.99	8.92	8.9	8.81	8.93	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.88	8.85	8.96	8.91	8.8	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.82	8.84	8.91	8.83	8.93	8.89	8.85	8.96	8.91	8.81	8.98	8.92	8.9	8.81	8.94	8.86	8.81	8.83
8.85	8.83	8.92	8.83	8.94	8.88	8.79	8.95	8.93	8.82	9.01	8.91	8.89	8.83	8.96	8.86	8.83	8.84

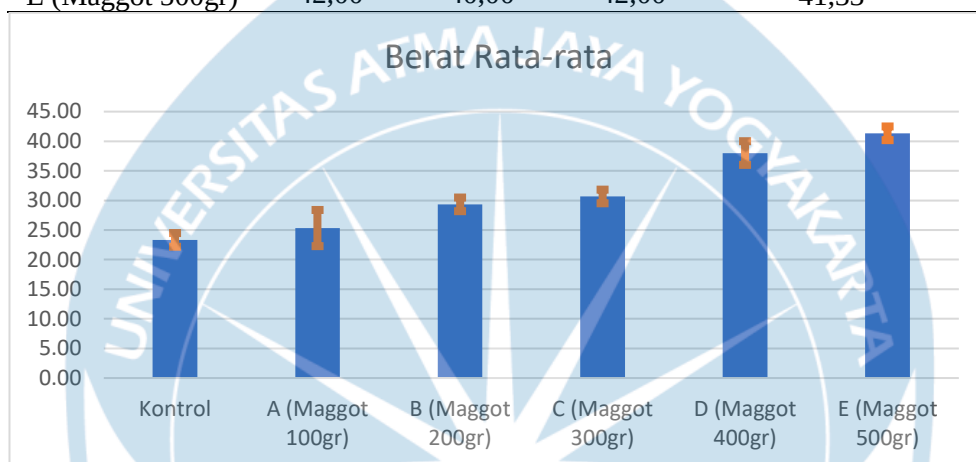
Parameter Air Minggu ke-0

Perlakuan	Suhu	pH	DO
K (Kontrol)	25,7 ± 0,26	6,74 ± 0,38	6,10 ± 0,91
A (100 gr BSF)	25,7 ± 0,23	7,05 ± 0,43	6,27 ± 0,87
B (200 gr BSF)	25,7 ± 0,20	7,25 ± 0,32	6,23 ± 0,63
C (300 gr BSF)	25,9 ± 0,25	7,42 ± 0,13	6,10 ± 1,00
D (400 gr BSF)	25,8 ± 0,15	7,06 ± 0,32	6,20 ± 0,57
E (500 gr BSF)	26,0 ± 0,32	7,06 ± 0,30	6,20 ± 0,21

Perlakuan	TDS	Ammonia	GH
K (Kontrol)	150 ± 5,00	0,30 ± 0,18	83,3 ± 28,9
A (100 gr BSF)	149 ± 3,51	0,67 ± 0,29	66,7 ± 28,9
B (200 gr BSF)	169 ± 6,08	0,30 ± 0,18	66,7 ± 28,9
C (300 gr BSF)	158 ± 9,07	0,30 ± 0,18	66,7 ± 28,9
D (400 gr BSF)	176 ± 16,66	0,67 ± 0,29	66,7 ± 28,9
E (500 gr BSF)	156 ± 9,21	0,83 ± 0,29	66,7 ± 28,9

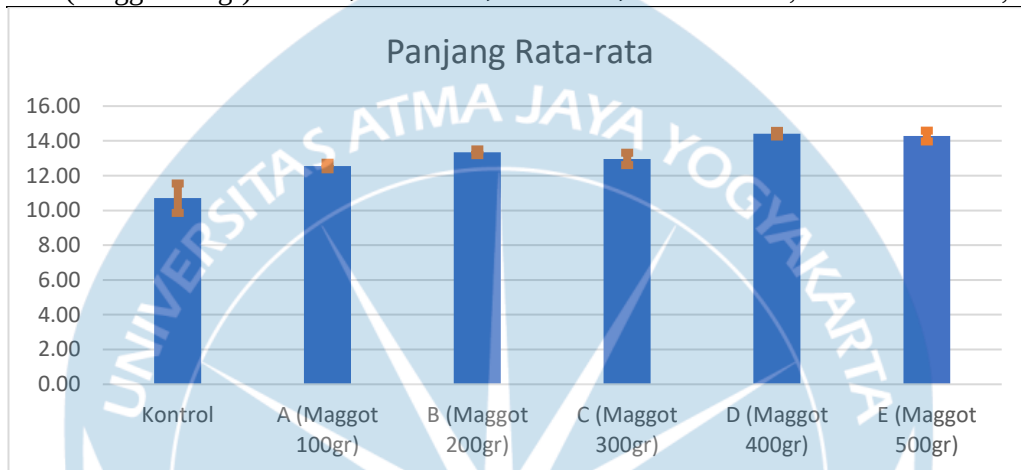
Lampiran 2. Pengukuran Minggu ke-1

Perlakuan	Ulangan			Berat Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	24,00	24,00	22,00	23,33	1,15
A (Maggot 100gr)	26,00	22,00	28,00	25,33	3,06
B (Maggot 200gr)	30,00	28,00	30,00	29,33	1,15
C (Maggot 300gr)	30,00	30,00	32,00	30,67	1,15
D (Maggot 400gr)	38,00	36,00	40,00	38,00	2,00
E (Maggot 500gr)	42,00	40,00	42,00	41,33	1,15



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
9.25	11.39	11.22	12.61	12.88	12.33	13.15	13.02	13.91	12.85	13.06	13.15	14.31	14.4	14.22	14.77	14.44	14.77
9	10.53	11.59	12.52	12.36	12.26	12.86	14.14	13.28	12.31	12.82	12.94	13.86	14.44	14.64	14.48	14.21	14.95
9.85	10.54	11.75	13.21	12	12.16	13.39	13.29	13.74	12.58	12.86	13.49	13.86	13.99	14.51	14.55	14.79	14.77
9.43	11.19	11.55	12.64	12.62	12.85	13.03	13.19	13.91	12.5	12.76	13.72	14.11	14.32	13.98	14.63	13.91	15.37
9.8	10.87	11.51	12.62	12.94	12.29	13.04	12.77	13.27	12.04	13.31	12.88	15.02	14.3	14.72	14.66	13.92	14.92
9.97	10.47	12.42	12.67	12.71	12.14	13.1	13.16	13.99	12.16	13.21	13.44	14.33	13.95	14.48	14.72	13.75	14.59
9.34	10.43	11.86	12.3	12.68	12.1	13.98	13.11	14.03	12.07	13.34	13.2	14.09	14.04	14.74	14.46	13.72	14.68
9.38	11.11	10.81	12.52	12.54	12.22	13.31	13.36	14.14	12.7	13.1	13.51	14.37	13.67	14.52	14.51	14.23	15.19
9.6	11.47	11.92	12.77	12.74	12.18	13.18	13.46	13.78	12.41	13.02	13.25	14.17	14.52	14.59	14.78	14.34	14.5
9.49	10.78	11.71	13.13	13.02	11.64	13.52	13.38	13.46	12.39	12.67	13.71	14.51	14.21	14.2	14.77	14.05	14.31
9.59	10.76	11.34	12.57	12.49	12.26	13.87	12.82	13.69	12.33	13.08	13.71	14.21	13.92	14.76	14.88	14.34	14.69
9.84	10.82	10.83	12.43	12.25	12.39	13.44	13.73	13.53	12.75	12.69	13.33	13.93	14.43	14.54	14.44	13.63	14.37
9.27	10.82	11.87	12.42	12.84	12.47	13.51	13.77	13.73	12.27	12.73	13.64	14.4	14.12	13.58	14.61	14.06	15.01
9.53	11.25	12.07	12.36	12.38	12.69	12.99	13.06	13.7	12.9	13.06	13.82	14.84	14.06	14.27	14.8	14.5	14.43
9.93	10.33	11.21	12.78	12.25	12.83	13.41	13.3	13.09	12.76	12.8	12.72	15.07	14.06	14.4	14.47	14.05	14.72
9.84	11.05	11.38	12.14	12.93	12.87	13.16	13.67	13.65	12.36	12.61	13.34	14.23	14.44	14.63	14.99	14.89	14.66
9.85	11.52	11.63	13.12	12.81	12.42	13.44	12.91	13.56	12.1	12.98	13.13	13.9	14.06	14.44	14.32	14.42	14.11
9.37	11.18	11.64	12.13	12.39	11.96	12.79	12.73	13.59	12.59	12.86	13.72	13.41	14.49	14.63	14.55	13.75	15.1
9.61	10.94	11.64	12.76	12.95	12.54	13.6	12.87	13.25	12.92	13.38	13.05	14.04	14.01	14.12	14.45	14.02	14.77
9.73	11.09	11.65	13.11	12.61	12.39	12.74	13.61	13.27	12.03	13.07	13.69	14.08	14.07	14.23	15.03	13.87	14.7
9.7	11.29	11.31	12.76	13.09	12.39	13.18	13.58	13.59	12.4	12.96	13.39	14.15	14.44	14.28	14.21	13.69	14.92
9.38	10.78	11.51	12.73	12.4	11.99	13.26	13.08	13.98	11.93	12.78	13.32	13.84	14.19	14.54	14.63	14.17	14.27
9.9	10.51	11.32	12.87	12.53	11.96	13.12	13.25	13.26	12.09	13.03	13.16	14.41	14.35	14.36	14.91	14.35	14.8
9.78	11.11	11.75	12.51	12.64	12.3	13.33	13.21	13.17	13.31	13.06	13.02	13.93	13.88	14.07	14.49	14.01	14.37
9.23	11.15	11.63	12.33	12.63	12.29	13.22	13.09	13.94	12.16	13.52	13.29	14.19	14.58	14.3	14.77	14.19	14.29
9.78	10.73	11.85	12.7	12.72	12.46	13.24	13.38	13.62	12.75	12.93	13.49	14.11	14.57	14.45	14.32	14.44	14.56
9.98	11.05	11.41	12.62	12.86	12.14	12.97	13.82	14.01	12.26	12.95	12.8	14.09	13.93	14.03	15.21	14.21	14.63
9.45	10.7	11.14	12.27	12.63	12.59	13.04	13.05	13.32	11.82	12.32	13.09	14.29	13.99	14.33	14.77	14.11	15.2
9.54	11.55	11.24	12.94	13.3	12.34	12.88	13.35	13.79	12.41	13.21	13.16	13.61	13.91	14.22	14.68	14.11	14.84
8.39	11.67	12.63	14.17	13.52	10.96	11.64	13.23	11.85	15.14	13.83	15.24	15.21	15.28	15.53	13.71	13.15	14.82

Perlakuan	Ulangan			Panjang Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	9,56	10,97	11,58	10,70	0,846
A (Maggot 100gr)	12,69	12,69	12,28	12,55	0,191
B (Maggot 200gr)	13,18	13,28	13,57	13,34	0,166
C (Maggot 300gr)	12,51	13,00	13,38	12,96	0,357
D (Maggot 400gr)	14,22	14,41	14,62	14,41	0,162
E (Maggot 500gr)	14,11	14,71	14,01	14,28	0,311



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.04	0.03	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04
0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.04	0.04	0.04	0.03	0.04
0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04
0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04
0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.05	0.04	0.04
0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.05	0.04	0.04
0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.03	0.04	0.03	0.04	0.04	0.04	0.04
0.03	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.04	0.04
0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.03	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.03	0.04	0.03	0.04	0.04	0.04	0.04
0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04
0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.06
0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.03	0.04
0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.05
0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.04	0.05
0.02	0.03	0.02	0.03	0.02	0.03	0.02	0.03	0.03	0.02	0.03	0.02	0.03	0.04	0.05	0.04	0.05	0.04
0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.04	0.03	0.02	0.03	0.05	0.03	0.04	0.04	0.04	0.04	0.04
0.02	0.02	0.05	0.03	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.04	0.04	0.04
0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.04	0.04	0.04
0.03	0.02	0.02	0.03	0.03	0.02	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.05
0.02	0.01	0.03	0.03	0.01	0.05	0.02	0.03	0.05	0.02	0.06	0.03	0.05	0.03	0.06	0.03	0.04	0.04

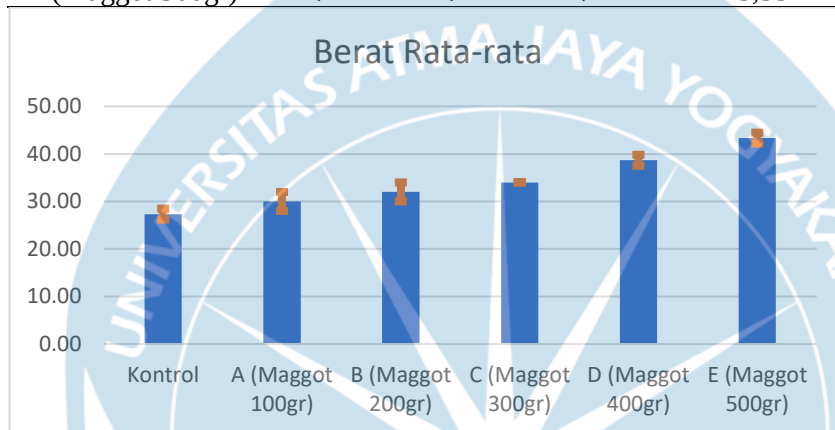
Parameter Air Minggu ke-1

Perlakuan	Suhu	pH	DO
K (Kontrol)	25,7 ± 0,46	6,7 ± 0,43	6,1 ± 0,92
A (100 gr BSF)	25,7 ± 0,23	7,1 ± 0,43	6,3 ± 0,92
B (200 gr BSF)	25,7 ± 0,21	7,2 ± 0,32	6,2 ± 0,61
C (300 gr BSF)	25,9 ± 0,26	7,4 ± 0,27	6,1 ± 0,97
D (400 gr BSF)	25,8 ± 0,21	7,0 ± 0,31	6,2 ± 0,57
E (500 gr BSF)	25,9 ± 0,30	7,1 ± 0,29	6,2 ± 0,25

Perlakuan	TDS	Ammonia	GH
K (Kontrol)	150 ± 5,3	0,30 ± 0,18	83 ± 28,9
A (100 gr BSF)	149 ± 3,8	0,67 ± 0,29	83 ± 28,9
B (200 gr BSF)	169 ± 7,5	0,30 ± 0,18	67 ± 28,9
C (300 gr BSF)	158 ± 9,1	0,30 ± 0,17	83 ± 28,9
D (400 gr BSF)	176 ± 14,7	0,67 ± 0,29	67 ± 28,9
E (500 gr BSF)	156 ± 9,2	0,83 ± 0,29	67 ± 28,9

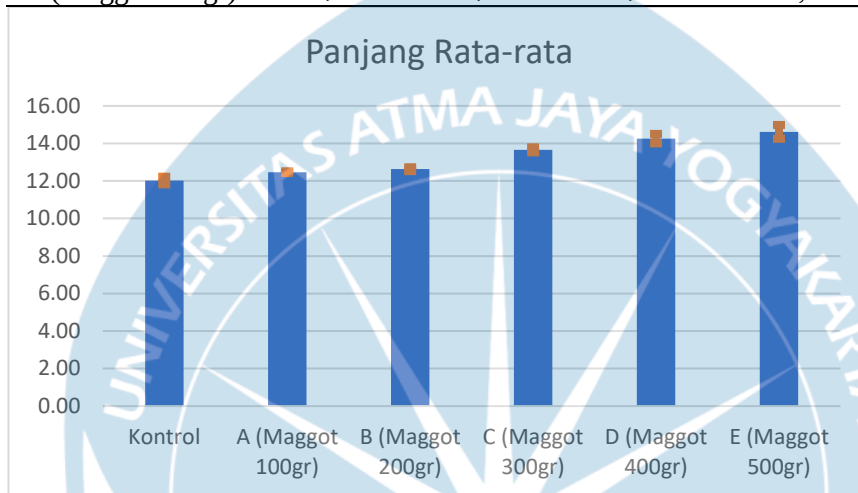
Lampiran 3. Pengukuran Minggu ke-2

Perlakuan	Ulangan			Berat Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	26,00	28,00	28,00	27,33	1,15
A (Maggot 100gr)	28,00	32,00	30,00	30,00	2,00
B (Maggot 200gr)	30,00	32,00	34,00	32,00	2,00
C (Maggot 300gr)	34,00	34,00	34,00	34,00	0,00
D (Maggot 400gr)	38,00	38,00	40,00	38,67	1,15
E (Maggot 500gr)	44,00	42,00	44,00	43,33	1,15



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.02	0.06	0.05	0.03	0.04	0.04	0.04
0.01	0.05	0.02	0.04	0.05	0.02	0.03	0.03	0.03	0.03	0.01	0.04	0.03	0.04	0.04	0.03	0.05	0.04
0.05	0.01	0.06	0.02	0.04	0.02	0.02	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.06	0.04	0.06	0.03
0.04	0.04	0.05	0.04	0.02	0.05	0.01	0.02	0.03	0.03	0.05	0.04	0.04	0.04	0.05	0.05	0.06	0.06
0.01	0.03	0.03	0.02	0.02	0.03	0.06	0.03	0.03	0.02	0.04	0.02	0.04	0.04	0.06	0.04	0.06	0.05
0.04	0.03	0.03	0.02	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.02	0.03	0.05	0.05	0.04	0.05
0.02	0.05	0.03	0.02	0.03	0.04	0.03	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.04
0.03	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.05	0.04	0.02	0.05	0.04	0.05
0.02	0.03	0.03	0.03	0.04	0.02	0.01	0.03	0.02	0.04	0.04	0.04	0.05	0.04	0.04	0.06	0.04	0.05
0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.05	0.03	0.04	0.04	0.02	0.04	0.04	0.04	0.05	0.04	0.06
0.02	0.04	0.00	0.04	0.02	0.02	0.02	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.03	0.03
0.01	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.04	0.03	0.02	0.05	0.02	0.04	0.04	0.05	0.04	0.04
0.02	0.04	0.03	0.04	0.03	0.05	0.02	0.04	0.02	0.03	0.04	0.04	0.02	0.05	0.04	0.03	0.04	0.05
0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.04	0.06
0.02	0.05	0.02	0.04	0.04	0.05	0.04	0.03	0.05	0.04	0.05	0.05	0.05	0.02	0.05	0.02	0.04	0.04
0.03	0.01	0.04	0.04	0.02	0.02	0.04	0.04	0.02	0.03	0.02	0.04	0.04	0.04	0.04	0.05	0.05	0.04
0.02	0.05	0.03	0.04	0.03	0.02	0.03	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.03	0.04
0.04	0.02	0.02	0.03	0.04	0.03	0.01	0.03	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05
0.03	0.02	0.04	0.02	0.04	0.02	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.05	0.03	0.04
0.04	0.05	0.02	0.03	0.03	0.02	0.02	0.03	0.05	0.05	0.06	0.04	0.04	0.03	0.05	0.05	0.05	0.04
0.03	0.01	0.01	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.02	0.04	0.06	0.02	0.05	0.02	0.05
0.02	0.02	0.05	0.03	0.04	0.02	0.03	0.03	0.02	0.04	0.02	0.02	0.05	0.01	0.04	0.05	0.04	0.07
0.03	0.03	0.04	0.05	0.03	0.03	0.02	0.06	0.03	0.03	0.02	0.06	0.04	0.02	0.04	0.05	0.05	0.03
0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.03	0.04	0.04	0.04	0.01	0.04	0.03	0.04	0.04	0.03	0.05
0.01	0.02	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.05	0.04	0.03	0.05	0.04	0.04	0.05	0.04	0.04
0.01	0.02	0.04	0.03	0.01	0.04	0.04	0.04	0.04	0.03	0.02	0.03	0.04	0.03	0.04	0.03	0.03	0.03
0.03	0.05	0.03	0.04	0.03	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.03	0.03
0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.04	0.05	0.04	0.04	0.01	0.03	0.04	0.05	0.05	0.04	0.03
0.00	0.02	0.04	0.01	0.03	0.03	0.02	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.04	0.05	0.06	0.05
0.03	0.01	0.03	0.03	0.05	0.03	0.03	0.03	0.03	0.04	0.02	0.05	0.05	0.01	0.03	0.04	0.04	0.03

Perlakuan	Ulangan			Panjang Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	12,20	11,73	12,13	12,02	0,206
A (Maggot 100gr)	12,53	12,41	12,47	12,47	0,047
B (Maggot 200gr)	12,61	12,51	12,76	12,63	0,103
C (Maggot 300gr)	13,47	13,75	13,75	13,66	0,136
D (Maggot 400gr)	14,48	13,90	14,39	14,26	0,252
E (Maggot 500gr)	14,67	14,14	15,04	14,62	0,369



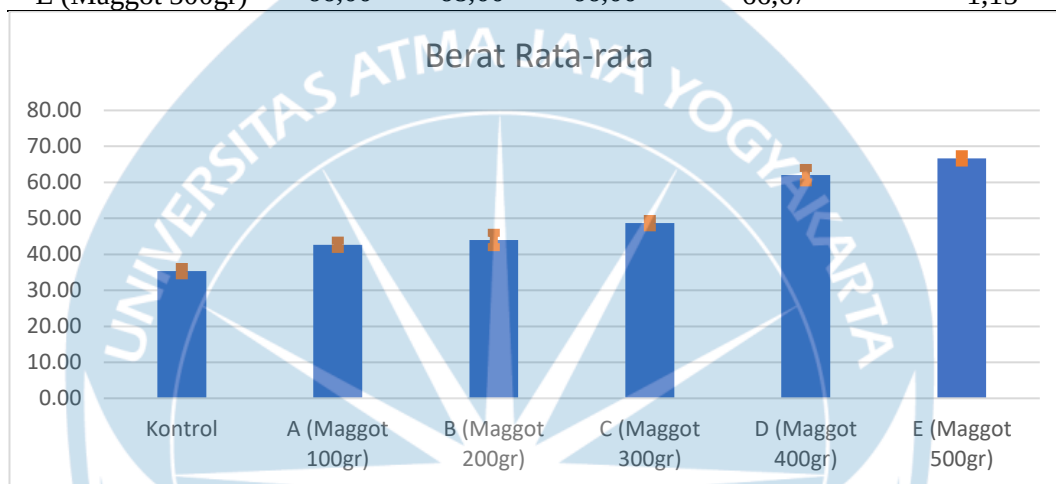
K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
12.467	11.716	11.745	12.743	12.066	12.461	12.627	12.823	13.128	13.57	13.873	13.754	14.508	14.296	14.084	14.751	14.23	15.436
12.521	11.466	12.345	12.323	12.454	12.52	12.497	12.655	12.608	13.788	13.735	13.504	14.402	14.167	14.368	15.027	14.292	14.705
11.977	11.465	12.005	12.568	12.326	12.559	12.573	12.457	12.945	13.3	13.913	13.91	14.709	14.162	14.135	14.993	14.011	15.228
12.598	12.126	12.126	12.705	12.621	12.384	12.355	12.198	13.139	13.422	13.875	13.412	14.148	13.842	14.748	14.718	13.983	14.677
12.49	11.422	12.356	12.332	12.435	12.416	12.922	12.844	13.11	13.413	14.134	13.679	14.3	13.889	14.742	14.419	14.079	15.285
12.212	11.878	12.241	12.717	12.036	12.531	12.908	12.437	12.843	13.357	13.816	13.794	14.489	13.559	14.181	14.272	13.977	15.373
12.004	11.677	12.358	12.602	12.189	12.387	12.236	12.172	13.052	13.367	14.074	13.82	14.669	13.573	14.456	14.348	14.536	14.953
12.207	11.605	12.215	12.89	12.749	12.776	12.302	12.328	12.428	13.838	13.994	14.131	14.268	14.086	14.456	14.563	14.21	14.965
12.552	11.906	12.172	12.316	12.175	12.805	12.386	12.271	12.729	13.448	13.423	13.889	14.286	13.881	14.333	14.688	14.067	14.888
12.145	11.464	11.734	12.394	12.63	12.219	12.298	12.36	12.608	13.682	13.465	13.697	14.174	14.143	14.17	14.8	14.371	14.849
12.497	11.828	12.166	12.549	12.529	12.427	12.861	12.222	12.574	13.631	13.724	13.734	14.367	14.091	14.465	14.297	14.34	15.182
11.809	11.771	12.105	12.683	12.721	12.614	12.561	12.243	13.067	13.512	14.022	13.414	14.121	13.987	14.164	14.787	13.876	15.153
12.531	11.436	12.48	12.187	12.461	12.531	12.804	12.612	12.604	13.177	13.545	13.543	14.146	13.979	14.331	14.59	14.208	14.84
12.053	11.518	11.766	12.262	12.234	12.765	12.775	12.324	12.761	13.312	13.625	13.783	14.869	14.03	14.212	14.846	13.882	15.157
12.516	11.877	12.411	12.903	12.768	12.583	12.586	12.244	12.653	13.221	14.053	13.78	14.648	13.739	14.541	14.717	13.995	15.266
11.931	11.334	12.468	12.585	12.179	12.361	12.406	12.565	12.977	13.526	13.712	14.044	14.754	13.708	14.747	14.786	14.511	15.024
12.434	11.978	12.201	12.908	12.434	12.143	12.455	12.204	12.646	13.125	13.888	14.137	14.38	13.659	13.994	14.809	13.925	15.157
12.153	11.987	12.369	12.84	12.587	12.084	12.79	12.688	13.026	13.24	13.582	13.558	14.317	13.859	14.665	14.614	14.048	15.016
12.288	12.077	12.045	12.13	12.337	12.341	12.256	12.239	12.575	13.838	14.03	13.656	14.306	13.514	14.171	14.699	13.95	15.434
12.092	11.56	11.994	12.178	12.591	12.25	12.779	12.682	13.138	13.446	14.041	13.742	14.491	13.772	14.108	14.895	13.788	15.362
11.867	11.895	12.214	12.349	12.361	12.22	12.709	12.672	12.453	13.144	13.448	13.91	14.835	14.25	14.199	14.27	14.085	14.976
12.596	11.771	12.388	12.743	12.014	12.503	12.668	12.516	12.565	13.53	13.37	13.41	14.826	13.776	14.214	14.668	14.1	15.348
12.432	11.683	12.105	12.68	12.448	12.309	12.427	12.706	13.033	13.096	13.645	13.778	14.786	13.527	14.163	14.338	13.934	15.088
11.835	11.589	12.521	12.772	12.594	12.373	12.312	12.633	12.624	13.825	13.755	13.692	14.374	14.136	14.16	14.681	14.394	15.391
12.127	11.923	12.144	12.221	12.061	12.128	12.219	12.435	13.047	13.59	13.657	14.122	14.444	13.97	14.499	14.821	14.007	14.876
12.515	11.386	12.423	12.633	12.745	12.567	12.89	12.817	12.398	13.128	13.507	14.148	14.288	13.759	14.693	14.785	14.297	15.339
12.491	11.712	12.239	12.834	12.027	12.642	12.279	12.399	12.389	13.555	13.547	13.97	14.396	14.246	14.356	14.535	14.18	15.149
11.917	11.697	12.464	12.644	12.662	12.271	12.279	12.407	12.809	13.425	13.605	13.908	14.842	13.64	14.554	14.812	14.53	15.232
12.396	11.828	12.166	12.378	12.271	12.485	12.9	12.126	13.038	13.274	13.454	13.55	14.216	14.022	14.292	14.805	14.454	15.17
10.377	12.445	9.964	11.711	12.625	13.355	14.18	14.051	11.863	14.2	14.078	13.151	14.921	13.828	15.499	14.616	14	12.741

Parameter Air Minggu ke-2

Perlakuan	Suhu	pH	DO	TDS	Ammonia	GH
K1	25,1	6,5	5,2	159	0,15	100
K2	26	6,43	6,1	147	0,5	50
K3	25,9	7,19	7	156	0,15	100
A1	25,6	7,5	6,5	149	0,5	50
A2	26	6,64	7	158	0,5	100
A3	25,6	7	5,3	153	0,15	50
B1	25,9	7,3	6,6	147	0,5	50
B2	25,5	7,54	5,4	156	0,25	50
B3	25,8	6,92	6,7	158	0,15	100
C1	26,2	7,53	7,3	149	0,5	50
C2	25,9	7,46	5,5	158	0,15	100
C3	25,7	7,27	5,5	186	0,25	50
D1	25,6	7,36	6,9	156	0,5	50
D2	25,9	6,95	5,9	174	0,25	100
D3	25,8	6,87	5,8	173	0,25	50
E1	26,5	7	6,3	168	0,15	50
E2	25,9	6,96	6,4	145	0,5	100
E3	25,7	7,52	5,9	165	0,5	50

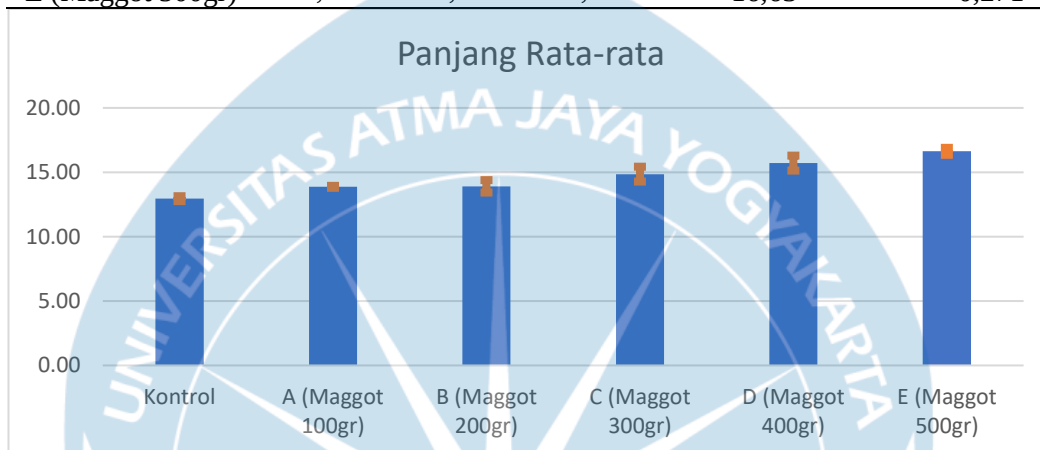
Lampiran 4. Pengukuran Berat dan Panjang Minggu ke-3

Perlakuan	Ulangan			Berat Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	36,00	34,00	36,00	35,33	1,15
A (Maggot 100gr)	42,00	44,00	42,00	42,67	1,15
B (Maggot 200gr)	42,00	44,00	46,00	44,00	2,00
C (Maggot 300gr)	48,00	50,00	48,00	48,67	1,15
D (Maggot 400gr)	60,00	64,00	62,00	62,00	2,00
E (Maggot 500gr)	66,00	68,00	66,00	66,67	1,15



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
0.04	0.05	0.03	0.05	0.04	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.06	0.06	0.06	0.07	0.06	0.07
0.02	0.04	0.05	0.04	0.05	0.05	0.03	0.02	0.05	0.06	0.04	0.06	0.07	0.07	0.06	0.07	0.05	0.07
0.05	0.03	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.06	0.05
0.03	0.03	0.02	0.04	0.05	0.04	0.04	0.05	0.04	0.07	0.06	0.04	0.05	0.05	0.06	0.06	0.07	0.07
0.06	0.04	0.03	0.05	0.05	0.07	0.03	0.03	0.05	0.06	0.03	0.05	0.07	0.07	0.06	0.08	0.07	0.06
0.04	0.05	0.05	0.04	0.05	0.04	0.03	0.04	0.04	0.04	0.04	0.07	0.08	0.06	0.07	0.06	0.07	0.07
0.03	0.04	0.02	0.04	0.03	0.04	0.05	0.05	0.06	0.04	0.07	0.06	0.05	0.07	0.07	0.08	0.07	0.06
0.03	0.05	0.03	0.03	0.06	0.04	0.04	0.04	0.03	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.09	0.06
0.02	0.03	0.03	0.03	0.05	0.03	0.05	0.03	0.05	0.04	0.05	0.04	0.05	0.07	0.07	0.07	0.05	0.05
0.02	0.02	0.03	0.06	0.06	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.07	0.06	0.05	0.08	0.08	0.06
0.04	0.03	0.05	0.05	0.06	0.04	0.03	0.06	0.06	0.04	0.04	0.05	0.06	0.06	0.05	0.08	0.07	0.07
0.06	0.04	0.03	0.05	0.05	0.05	0.04	0.06	0.05	0.04	0.04	0.05	0.06	0.06	0.07	0.06	0.07	0.06
0.04	0.03	0.03	0.06	0.05	0.03	0.04	0.06	0.05	0.06	0.04	0.05	0.06	0.07	0.07	0.06	0.07	0.07
0.06	0.04	0.04	0.05	0.05	0.03	0.05	0.03	0.05	0.05	0.05	0.03	0.06	0.06	0.06	0.05	0.08	0.05
0.03	0.02	0.05	0.04	0.06	0.03	0.06	0.06	0.04	0.04	0.05	0.07	0.05	0.07	0.04	0.06	0.05	0.06
0.04	0.04	0.06	0.04	0.04	0.05	0.03	0.05	0.04	0.05	0.05	0.05	0.07	0.05	0.06	0.07	0.06	0.07
0.05	0.03	0.03	0.04	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.06	0.06	0.06	0.06
0.03	0.03	0.02	0.05	0.04	0.04	0.05	0.04	0.03	0.07	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.07
0.05	0.04	0.03	0.03	0.03	0.04	0.02	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.06	0.08	0.06	0.08
0.04	0.02	0.03	0.03	0.04	0.07	0.03	0.05	0.05	0.04	0.05	0.04	0.05	0.07	0.06	0.05	0.08	0.07
0.04	0.03	0.03	0.04	0.05	0.03	0.04	0.04	0.05	0.05	0.07	0.05	0.06	0.07	0.06	0.07	0.08	0.07
0.04	0.03	0.05	0.05	0.04	0.04	0.07	0.06	0.04	0.05	0.04	0.02	0.08	0.06	0.07	0.07	0.07	0.07
0.03	0.04	0.04	0.04	0.05	0.05	0.04	0.03	0.06	0.03	0.06	0.04	0.07	0.06	0.07	0.07	0.09	0.06
0.04	0.03	0.04	0.03	0.05	0.03	0.04	0.05	0.06	0.06	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.08
0.01	0.03	0.05	0.04	0.05	0.04	0.04	0.05	0.04	0.05	0.06	0.05	0.07	0.07	0.06	0.07	0.05	0.08
0.03	0.03	0.04	0.02	0.01	0.05	0.05	0.04	0.05	0.06	0.05	0.05	0.07	0.07	0.07	0.05	0.07	0.06
0.03	0.03	0.02	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.06	0.05	0.06	0.07	0.06	0.07	0.07	0.07
0.04	0.03	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.04	0.04	0.04	0.06	0.07	0.05	0.07	0.06	0.06
0.05	0.03	0.03	0.05	0.05	0.05	0.05	0.04	0.07	0.04	0.05	0.03	0.07	0.06	0.08	0.07	0.08	0.07
0.02	0.04	0.03	0.05	0.03	0.05	0.04	0.03	0.03	0.05	0.07	0.06	0.06	0.06	0.07	0.06	0.09	0.06
0.036	0.034	0.036	0.042	0.044	0.042	0.042	0.044	0.046	0.048	0.050	0.048	0.060	0.064	0.062	0.066	0.068	0.066

Perlakuan	Ulangan			Panjang Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	12,70	13,17	12,99	12,95	0,191
A (Maggot 100gr)	13,95	13,76	13,90	13,87	0,078
B (Maggot 200gr)	13,27	14,45	14,02	13,91	0,485
C (Maggot 300gr)	14,55	14,35	15,67	14,86	0,578
D (Maggot 400gr)	14,89	16,06	16,18	15,71	0,582
E (Maggot 500gr)	17,01	16,50	16,39	16,63	0,271



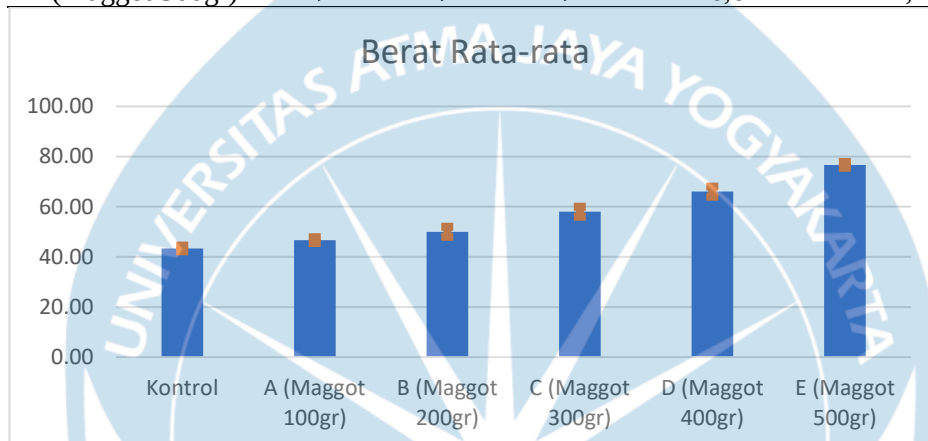
K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
13.059	13.326	12.368	13.429	14.099	13.899	13.667	14.391	13.543	14.497	14.483	15.543	14.327	14.774	16.794	16.57	17.493	15.446
13.162	12.899	11.537	13.547	12.344	13.666	13.987	15.129	14.51	13.517	13.117	15.311	14.13	16.407	15.262	17.579	16.075	16.03
11.564	13.866	13.397	14.047	13.817	14.257	13.341	14.86	13.723	14.644	14.803	16.129	14.453	16.849	15.652	16.417	17.107	15.832
12.123	13.871	13.501	14	12.917	13.614	13.286	14.778	14.426	15.167	14.54	15.509	14.733	15.975	15.93	17.077	16.547	15.737
12.44	13.563	13.733	14.066	13.883	13.91	13.381	14.349	14.462	14.194	13.676	16.586	15.357	15.221	16.166	17.056	16.186	16.937
13.517	13.156	13.601	13.699	13.979	14.264	13.36	13.979	13.651	14.209	14.202	15.779	14.711	16.839	16.669	16.822	16.952	16.574
11.869	13.647	13.143	14.594	14.29	13.691	14.198	14.03	14.243	14.606	14.414	16.051	14.881	15.723	16.158	17.304	16.325	17.357
13.255	14.373	13.815	14.005	14.005	13.78	12.295	14.539	13.85	14.691	14.779	15.54	14.903	15.565	16.586	17.966	16.381	16.358
11.908	13.2	13.471	13.875	13.544	14.28	12.174	15.089	13.69	15.144	14.213	15.597	15.092	16.46	16.166	16.712	15.333	16.231
13.303	12.08	13.308	14.046	13.378	14.123	12.788	13.825	13.903	14.531	12.84	15.581	14.263	16.204	16.068	16.264	16.842	16.83
13.264	13.555	12.983	13.608	13.741	14.182	13.848	14.402	14.073	14.767	14.673	15.738	15.577	15.665	15.911	16.179	16.669	16.236
12.283	12.09	12.73	12.55	14.183	13.954	12.853	14.469	13.878	14.337	14.175	15.441	14.817	15.698	16.9	17.211	16.659	16.219
12.82	12.589	12.819	14.241	13.857	13.746	12.607	14.712	13.509	14.361	14.259	15.065	15.342	16.268	16.665	17.116	16.506	17.114
12.657	13.256	13.117	14.197	13.004	13.841	14.306	15.526	13.847	14.666	14.861	16.156	15.99	16.126	16.076	17.183	16.809	16.78
12.259	13.236	12.881	13.531	14.038	13.135	13.007	14.026	13.877	14.618	15.371	15.977	15.153	16.133	15.596	17.625	16.264	16.393
12.339	13.679	13.576	13.971	14.091	14.896	13.371	14.214	13.4	14.779	14.828	15.896	14.743	15.712	16.767	16.847	15.731	16.928
13.068	13.037	12.645	14.601	13.865	13.44	12.738	14.152	14.443	14.352	14.329	16.457	15.076	16.424	16.244	17.094	16.048	15.833
12.361	11.977	12.246	14.124	14.998	13.618	13.092	14.692	14.035	15.45	15.29	16.416	14.551	16.187	16.279	17.099	16.549	17.239
12.001	12.634	12.208	14.075	13.666	13.794	13.406	14.285	14.137	14.361	14.04	16.04	14.566	15.361	15.541	17	16.38	16.249
13.337	12.885	13.091	14.823	14.045	12.932	13.668	14.052	14.185	13.618	14.499	15.768	14.199	16.073	15.975	17.352	16.571	16.318
13.381	13.414	13.669	13.624	13.062	14.189	13.637	15.123	14.221	14.861	13.48	14.786	14.902	16.225	16.172	16.991	16.461	15.242
13.048	12.497	12.634	13.415	13.431	14.666	12.868	14.132	14.441	14.796	14.013	15.885	15.382	15.977	16.64	16.942	17.463	16.564
13.167	13.774	13.418	14.406	13.959	14.039	13.15	14.4	13.654	15.191	14.486	14.882	14.43	16.02	16.042	16.496	16.053	15.994
12.969	13.599	12.871	14.188	14.41	13.93	13.517	14.392	13.983	14.633	14.323	15.444	15.735	16.328	14.997	17.394	16.399	16.507
12.347	13.669	13.691	13.805	13.815	14.404	13.589	14.332	13.937	13.484	14.379	15.294	14.399	17.138	17.091	16.7	16.635	16.356
13.085	12.613	12.54	13.777	13.822	13.669	12.801	15.263	14.525	14.38	14.176	14.787	14.879	16.619	15.878	17.208	15.574	16.821
12.753	13.383	11.889	13.673	14.147	13.167	13.084	13.314	14.061	14.854	14.322	15.776	14.569	15.493	16.053	16.351	16.972	17.14
12.793	13.227	12.84	14.375	13.32	13.301	13.471	15.267	14.46	14.721	14.455	15.408	14.411	16.035	17.384	16.984	16.3	16.203
11.984	13.241	12.134	14.079	13.083	14.295	13.394	14.078	14.606	14.276	14.915	15.634	15.179	16.23	16.364	17.206	16.84	16.243
12.943	12.614	13.754	14.038	14.125	14.318	13.247	13.58	13.176	14.915	14.649	15.536	16.007	16.101	15.493	17.464	16.726	15.869

Parameter Air Minggu ke-3

Perlakuan	Suhu	pH	DO	TDS	Ammonia	GH
K1	26,4	7,52	4,9	157	0,5	50
K2	26,2	6,78	5,2	168	0,5	100
K3	26,3	7,1	5,3	157	0,5	50
A1	25,8	7,4	5,4	169	0,5	50
A2	26,3	7,5	6	163	0,5	50
A3	26	7,6	5,6	157	0,5	50
B1	26,3	7,2	5,8	158	0,5	50
B2	26	6,54	5,3	173	0,25	50
B3	25,7	7,3	5,9	136	0,5	50
C1	25,6	7	5,4	178	0,5	100
C2	26,4	7	5,9	168	0,15	50
C3	26	7,27	6	147	0,25	50
D1	26	7	5,34	136	0,5	50
D2	26,4	6,83	5,2	179	0,5	100
D3	25,4	6,87	5,9	136	0,5	50
E1	25,3	7,4	5,7	189	0,5	50
E2	26,4	6,78	6,2	157	0,5	100
E3	26,3	6,59	6,3	153	0,5	100

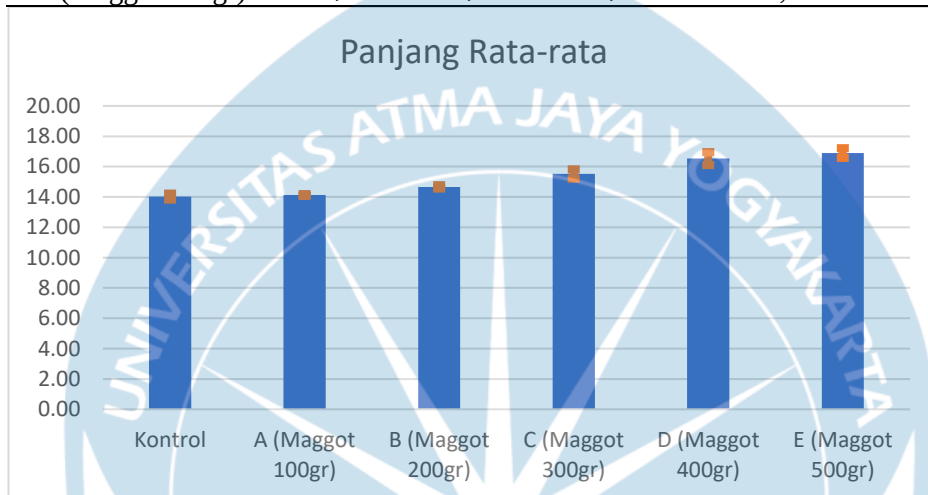
Lampiran 5. Pengukuran Berat dan Panjang Minggu ke-4

Perlakuan	Ulangan			Berat Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	44,00	42,00	44,00	43,33	1,15
A (Maggot 100gr)	46,00	48,00	46,00	46,67	1,15
B (Maggot 200gr)	50,00	52,00	48,00	50,00	2,00
C (Maggot 300gr)	56,00	58,00	60,00	58,00	2,00
D (Maggot 400gr)	64,00	66,00	68,00	66,00	2,00
E (Maggot 500gr)	76,00	78,00	76,00	76,67	1,15



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08
0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.07
0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.07	0.07	0.07	0.08	0.08	0.08
0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08
0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.07	0.08	0.08	0.08
0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.07	0.06	0.07	0.07	0.08	0.08
0.04	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.05	0.06	0.05	0.06	0.07	0.07	0.07	0.08	0.08	0.08
0.05	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08
0.05	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.08	0.07
0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.06	0.07	0.06	0.07	0.06	0.07	0.08
0.05	0.04	0.05	0.05	0.05	0.04	0.05	0.06	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08
0.05	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.07
0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08
0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.07	0.08
0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.08	0.08	0.08
0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08
0.04	0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08
0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.07
0.04	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.07
0.04	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.08	0.08
0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08
0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.08	0.08
0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.08
0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.06	0.06	0.07	0.08	0.08	0.07

Perlakuan	Ulangan			Panjang Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	14,12	13,74	14,20	14,02	0,200
A (Maggot 100gr)	14,12	14,20	14,05	14,12	0,064
B (Maggot 200gr)	14,78	14,69	14,52	14,66	0,112
C (Maggot 300gr)	15,34	15,25	15,94	15,51	0,309
D (Maggot 400gr)	16,35	16,11	17,12	16,53	0,430
E (Maggot 500gr)	16,46	17,23	17,00	16,89	0,321



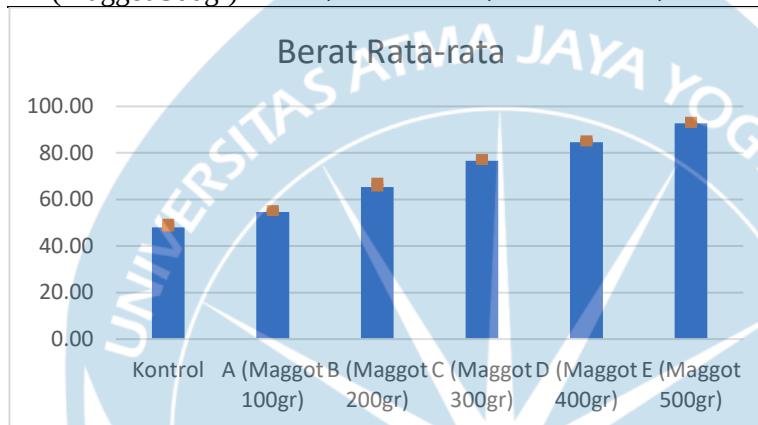
K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
14.254	13.833	14.409	14.43	14.387	14.187	14.749	14.778	14.437	15.439	15.201	16.208	16.415	15.966	17.371	16.739	17.204	16.975
14.356	13.983	14.323	14.023	14.043	14.083	15.424	14.476	14.331	15.468	15.176	16.273	16.619	16.068	16.945	16.348	17.315	17.525
14.157	13.622	14.36	13.897	14.503	13.975	14.845	14.774	14.838	15.563	15.242	16.093	15.976	15.913	17.312	16.418	16.911	16.695
13.862	13.717	14.094	14.149	14.15	13.882	14.635	14.651	14.451	15.423	15.185	15.96	16.374	16.084	17.203	16.123	17	17.047
14.201	13.747	14.04	13.767	14.2	14.065	14.7	14.885	14.758	15.293	15.406	15.625	16.319	16.125	16.989	16.299	16.986	17.09
13.991	13.587	14.203	14.186	14.055	13.834	15.015	14.925	14.819	15.476	14.923	15.896	16.485	16.065	17.473	16.653	17.254	17.213
14.015	13.874	14.17	14.091	13.719	13.464	14.808	15.206	14.715	15.721	15.035	15.776	16.394	15.98	16.879	16.783	17.572	17.016
14.238	13.72	14.113	14.028	14.381	14.135	14.497	14.804	14.429	15.314	15.032	16.379	16.201	16.144	17.302	16.213	17.671	17.058
14.369	13.828	14.343	13.802	14.351	14.229	14.969	14.753	14.596	15.146	15.436	15.91	16.287	16.198	17.318	16.342	17.353	16.918
14.125	13.567	14.395	14.224	14.148	13.575	14.651	14.727	14.51	15.562	15.588	15.97	16.192	15.892	16.984	16.455	17.325	17.05
14.183	13.657	14.222	14.014	14.217	13.846	15.16	14.617	14.334	15.317	15.225	16.055	16.566	16.392	17.396	16.516	16.865	16.927
14.461	13.888	14.5	13.887	14.307	14.172	15.001	14.756	14.58	14.906	15.212	15.954	16.355	16.09	17.068	16.298	17.116	17.12
14.169	13.669	13.976	13.547	13.891	14.459	14.696	14.629	14.279	15.51	15.26	16.284	16.731	16.114	17.176	16.545	17.067	16.922
14.641	14.089	14.165	14.115	14.098	14.052	15.041	14.722	14.753	15.234	15.478	15.82	16.339	16.252	17.17	16.365	17.101	17.071
14.234	13.664	14.061	14.475	14.363	13.902	14.799	14.952	14.422	15.323	15.061	15.984	16.209	16.157	17.091	16.457	17.191	16.99
13.769	13.789	13.831	14.453	13.953	14.011	14.956	14.487	14.555	15.407	15.294	15.797	16.048	16.301	17.28	16.569	17.131	17.221
14.272	13.931	14.187	14.03	14.263	14.323	14.882	14.916	14.572	15.379	15.441	15.681	15.99	16.167	17.277	16.461	16.829	16.986
14.197	13.46	14.18	14.001	13.933	13.919	14.616	14.951	14.463	15.483	15.346	15.823	16.034	15.988	16.768	16.373	17.375	16.641
14.379	13.392	14.507	14.215	14.297	13.888	14.656	14.664	14.632	15.254	15.284	15.938	16.404	16.182	17.379	16.438	17.01	17.248
14.256	13.439	14.33	13.921	14.197	13.951	14.991	14.264	14.42	15.444	15.446	15.859	16.453	15.881	16.786	16.442	17.273	16.815
14.093	13.997	13.999	14.181	13.881	13.857	14.718	14.566	14.689	15.289	14.705	15.807	16.035	16.132	17.325	16.386	17.64	16.865
13.876	13.634	14.575	14.274	14.437	14.073	14.704	14.947	14.246	15.489	15.382	15.664	16.53	16.103	17.343	16.408	17.041	16.877
14.079	14.256	14.448	14.366	14.057	14.373	14.594	14.683	14.54	15.464	15.115	15.928	16.254	16.068	16.9	16.78	16.719	17.271
13.951	13.631	14.32	14.101	14.042	14.113	14.87	14.488	14.903	15.154	14.88	15.644	16.38	16.084	17.036	16.572	17.168	16.569
14.005	13.781	14.159	14.08	14.244	13.998	15.198	14.587	14.315	15.558	15.348	16.097	16.673	15.734	16.897	16.401	17.445	17.624
14.239	14.052	14.012	13.945	14.434	13.99	14.571	14.856	14.379	15.234	15.521	15.961	16.53	16	17.075	16.599	17.617	17.207
14.455	14.145	14.13	13.956	14.001	13.735	14.79	14.797	14.618	15.503	15.219	15.653	16.297	16.129	17.056	16.393	16.979	17.041
14.2	14.156	14.422	14.076	14.216	14.225	15.067	14.64	14.551	15.414	15.437	15.883	16.173	16.142	17.274	16.695	17.324	16.985
13.882	13.986	14.581	14.194	14.29	14.032	14.769	14.615	14.585	15.709	15.568	15.795	15.921	15.904	17.38	16.534	17.132	17.053
12.721	12.226	13.065	15.202	15.062	15.092	13.178	13.524	13.73	13.754	14.934	16.633	17.346	17.045	16.087	16.195	18.136	15.86

Parameter Air Minggu ke-4

Perlakuan	Suhu	pH	DO	TDS	Ammonia	GH
K1	25,8	7,32	5,3	156	0,5	100
K2	26	6,98	5,9	145	0,5	100
K3	24,9	7,27	6	157	1	50
A1	26,3	7,45	5,7	167	0,25	50
A2	25,9	7,35	5,6	178	0,25	100
A3	25,4	7,28	5,3	149	1	50
B1	26	7,36	5,4	135	1	50
B2	26,3	6,63	5,3	178	0,25	50
B3	25,9	7	6	167	0,15	50
C1	25,8	7,42	5,7	145	0,5	50
C2	24,8	7,35	5,3	156	0,15	100
C3	25,7	7,13	5,7	146	1	50
D1	25,9	7,36	5,3	167	0,5	50
D2	26	7,43	5,9	156	1	100
D3	26	6,94	6	147	0,5	50
E1	25,7	7	5,3	167	1	50
E2	25,9	6,84	6,5	159	0,5	100
E3	25,8	7,32	5,8	187	0,5	100

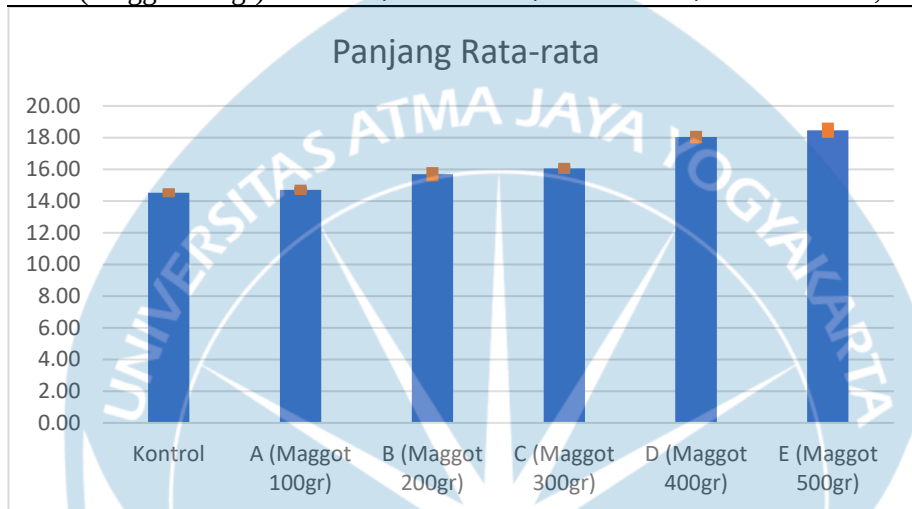
Lampiran 6. Pengukuran Berat dan Panjang Minggu ke-5 (Terakhir)

Perlakuan	Ulangan			Berat Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	50,00	48,00	46,00	48,00	2,00
A (Maggot 100gr)	54,00	56,00	54,00	54,67	1,15
B (Maggot 200gr)	64,00	64,00	68,00	65,33	2,31
C (Maggot 300gr)	76,00	76,00	78,00	76,67	1,15
D (Maggot 400gr)	84,00	86,00	84,00	84,67	1,15
E (Maggot 500gr)	92,00	92,00	94,00	92,67	1,15



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.08	0.07	0.09	0.06	0.08	0.08	0.07	0.10	0.09	0.10
0.05	0.06	0.03	0.04	0.06	0.05	0.08	0.06	0.06	0.06	0.06	0.09	0.09	0.08	0.07	0.10	0.11	0.10
0.06	0.06	0.04	0.06	0.05	0.06	0.06	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.08	0.10	0.10	0.10
0.05	0.06	0.04	0.05	0.05	0.04	0.06	0.05	0.08	0.08	0.09	0.08	0.09	0.09	0.09	0.09	0.08	0.10
0.05	0.05	0.05	0.05	0.06	0.06	0.08	0.08	0.07	0.08	0.08	0.06	0.09	0.08	0.08	0.09	0.09	0.09
0.05	0.05	0.05	0.05	0.07	0.05	0.07	0.07	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.10	0.08	0.08
0.04	0.05	0.03	0.07	0.05	0.05	0.06	0.07	0.07	0.06	0.09	0.07	0.10	0.08	0.08	0.10	0.11	0.09
0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.06	0.09	0.09	0.09	0.09	0.09
0.04	0.05	0.05	0.06	0.05	0.05	0.06	0.07	0.07	0.06	0.08	0.07	0.08	0.08	0.09	0.10	0.08	0.10
0.06	0.05	0.05	0.06	0.06	0.05	0.06	0.07	0.07	0.07	0.08	0.09	0.08	0.10	0.08	0.09	0.10	0.09
0.05	0.04	0.04	0.05	0.06	0.05	0.07	0.06	0.07	0.08	0.07	0.08	0.08	0.08	0.09	0.09	0.07	0.09
0.07	0.05	0.05	0.06	0.04	0.05	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.10	0.08	0.09	0.10	0.09
0.05	0.05	0.04	0.05	0.06	0.06	0.06	0.09	0.07	0.08	0.08	0.07	0.08	0.09	0.09	0.09	0.09	0.09
0.05	0.04	0.05	0.07	0.06	0.05	0.06	0.07	0.07	0.08	0.08	0.08	0.10	0.07	0.09	0.09	0.09	0.09
0.05	0.06	0.06	0.06	0.05	0.06	0.08	0.06	0.07	0.08	0.08	0.09	0.08	0.10	0.09	0.10	0.10	0.10
0.06	0.05	0.05	0.05	0.06	0.04	0.07	0.07	0.08	0.08	0.07	0.08	0.09	0.08	0.09	0.09	0.10	0.11
0.05	0.06	0.03	0.05	0.07	0.04	0.05	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.08	0.07	0.10	0.10
0.05	0.04	0.05	0.06	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.10	0.09	0.08	0.09	0.10	0.10
0.04	0.05	0.04	0.05	0.06	0.06	0.06	0.08	0.07	0.08	0.08	0.07	0.08	0.08	0.09	0.09	0.10	0.11
0.05	0.05	0.04	0.06	0.06	0.06	0.06	0.06	0.08	0.06	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.09
0.05	0.05	0.04	0.07	0.06	0.07	0.07	0.05	0.09	0.07	0.08	0.08	0.10	0.07	0.08	0.08	0.10	0.10
0.05	0.05	0.03	0.07	0.07	0.05	0.08	0.07	0.05	0.08	0.07	0.07	0.08	0.09	0.08	0.10	0.09	0.09
0.05	0.04	0.04	0.04	0.05	0.05	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.08	0.08	0.08	0.09
0.05	0.04	0.04	0.04	0.05	0.04	0.06	0.07	0.08	0.08	0.06	0.09	0.08	0.08	0.09	0.08	0.09	0.11
0.06	0.04	0.04	0.05	0.05	0.05	0.06	0.07	0.08	0.09	0.07	0.08	0.08	0.10	0.08	0.10	0.09	0.09
0.04	0.05	0.04	0.06	0.07	0.04	0.06	0.06	0.07	0.09	0.08	0.09	0.08	0.08	0.10	0.09	0.11	0.09
0.05	0.04	0.06	0.05	0.07	0.04	0.08	0.07	0.07	0.08	0.07	0.07	0.09	0.09	0.08	0.10	0.09	0.09
0.06	0.05	0.06	0.06	0.05	0.06	0.06	0.06	0.05	0.08	0.07	0.07	0.09	0.09	0.09	0.09	0.09	0.08
0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.06	0.10	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09
0.03	0.03	0.10	0.03	0.02	0.12	0.04	-0.02	0.01	0.07	0.05	0.05	0.06	0.09	0.09	0.11	0.11	0.08

Perlakuan	Ulangan			Panjang Rata-rata	Standar Deviasi
	1	2	3		
Kontrol	14,56	14,52	14,48	14,52	0,033
A (Maggot 100gr)	14,77	14,74	14,60	14,70	0,074
B (Maggot 200gr)	15,54	15,97	15,55	15,69	0,201
C (Maggot 300gr)	16,05	15,93	16,18	16,06	0,100
D (Maggot 400gr)	17,99	17,88	18,22	18,03	0,143
E (Maggot 500gr)	18,77	18,22	18,40	18,47	0,229



K1	K2	K3	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3
14.764	14.096	14.639	14.731	14.679	14.674	16.202	15.896	15.792	17.283	16.026	15.737	18.059	18.279	17.87	19.737	18.893	17.903
15.023	14	15.268	15.016	14.625	13.677	16.285	15.971	15.639	16.571	15.568	15.87	17.91	17.903	18.18	18.821	18.398	17.9
13.208	15.172	15.064	14.328	14.626	15.147	15.436	15.98	15.066	16.017	15.505	16.434	18.35	17.851	17.676	18.482	18.4	18.504
14.582	14.701	14.042	15.269	14.414	14.918	16.214	16.053	15.812	16.37	16.286	16.881	17.631	17.488	18.57	19.215	18.109	18.295
14.846	14.315	14.926	14.422	15.073	14.765	16.619	16.072	15.328	15.175	16.084	16.774	17.606	17.654	19.379	18.69	17.518	18.244
14.154	14.6	15.035	14.986	15.107	14.4	15.213	15.983	14.867	15.957	16.126	15.71	18.107	17.884	17.586	18.153	17.91	19.079
14.581	14.286	14.65	14.968	13.575	14.243	16.116	15.813	15.703	16.479	15.715	17.17	16.943	18.019	18.666	18.227	18.157	19.119
14.683	14.269	13.941	14.271	14.104	14.414	15.334	15.325	15.693	16.257	15.37	14.973	17.808	18.308	17.681	19.062	17.998	17.82
15.173	14.712	14.688	14.673	14.641	14.595	14.903	15.71	15.982	16.24	16.1	15.93	18.217	17.415	18.9	19.787	16.969	18.536
13.653	14.233	14.872	14.541	15.583	15.012	15.886	16.419	15.502	15.228	16.147	15.731	18.67	18.85	17.672	19.033	18.353	18.682
14.966	13.995	14.08	14.544	14.965	13.931	15.421	15.351	15.602	16.207	16.505	16.235	17.627	18.414	18.532	19.605	18.594	18.394
14.835	14.795	14.483	14.902	15.046	13.713	15.468	15.176	14.748	15.023	14.834	16.264	18.734	18.677	17.428	18.277	18.058	18.977
14.572	13.449	14.186	14.898	15.11	14.969	15.538	16.506	15.608	15.835	16.276	16.778	18.341	17.625	18.68	18.024	17.956	18.053
14.932	14.51	14.436	15.086	15.416	14.763	16.134	16.792	15.529	16.437	15.133	15.918	18.46	18.001	18.913	19.121	17.355	18.174
14.917	14.683	14.774	14.918	15.078	14.096	15.793	15.235	14.699	16.12	15.249	16.942	17.756	17.657	17.961	18.309	17.767	19.037
14.517	14.603	14.12	15.075	14.536	14.708	15.551	16.113	14.605	16.082	16.252	15.992	17.192	17.285	18.267	18.305	19.081	18.103
12.782	14.972	13.911	14.959	14.336	14.132	15.451	16.237	14.92	16.306	15.897	16.009	18.32	17.821	17.402	17.856	18.618	18.597
13.313	15.606	13.74	14.212	13.893	15.794	15.068	16.264	15.824	15.989	15.364	15.715	17.831	18.616	18.384	18.333	18.39	18.263
14.424	14.501	15.137	14.606	15.076	14.389	15.57	14.96	14.995	16.811	15.511	16.546	17.543	17.567	17.542	19.205	18.594	18.906
13.491	13.854	14.385	14.326	14.023	15.143	16.664	15.928	14.696	16.191	15.7	16.345	17.704	18.452	17.905	18.571	17.933	18.288
13.873	13.72	14.199	14.626	14.94	14.389	15.497	14.742	15.787	16.221	15.639	16.072	17.873	17.873	18.213	18.99	17.976	18.39
15.407	14.195	15.36	14.346	14.124	14.565	15.756	15.769	16.227	16.422	16.395	15.932	17.798	17.347	18.314	18.44	18.575	17.774
14.079	15.104	13.406	14.808	14.296	14.679	15.839	15.841	15.368	15.727	15.829	16.077	17.489	17.687	17.706	18.866	18.433	18.788
14.726	14.59	14.252	15.034	14.443	14.551	15.321	15.449	16.461	16.277	15.187	15.814	18.852	18.494	18.723	18.788	18.405	19.064
14.147	14.334	14.753	14.729	14.924	14.465	14.585	16.603	14.99	15.366	15.254	15.798	17.041	18.006	17.635	18.857	18.133	17.974
14.612	13.95	14.778	14.56	14.39	14.954	15.696	14.925	15.907	15.882	16.628	17.051	18.785	16.782	18.244	18.571	17.527	18.827
14.177	14.782	14.243	14.419	14.633	14.676	15.367	16.245	15.236	16.348	16.109	16.777	17.745	18.448	18.834	19.555	17.526	18.059
14.777	14.793	14.535	15.337	14.804	14.654	15.352	16.678	15.425	14.952	15.632	16.273	18.879	16.908	18.775	17.585	18.257	17.3
14.552	14.957	14.685	14.644	14.963	14.662	16.543	16.019	15.74	15.935	15.489	17.109	18.454	17.805	17.689	18.842	18.49	18.663
19.034	15.823	13.812	15.866	16.777	14.922	11.378	19.045	18.749	15.792	20.09	14.543	17.975	17.284	19.273	19.793	20.227	18.287

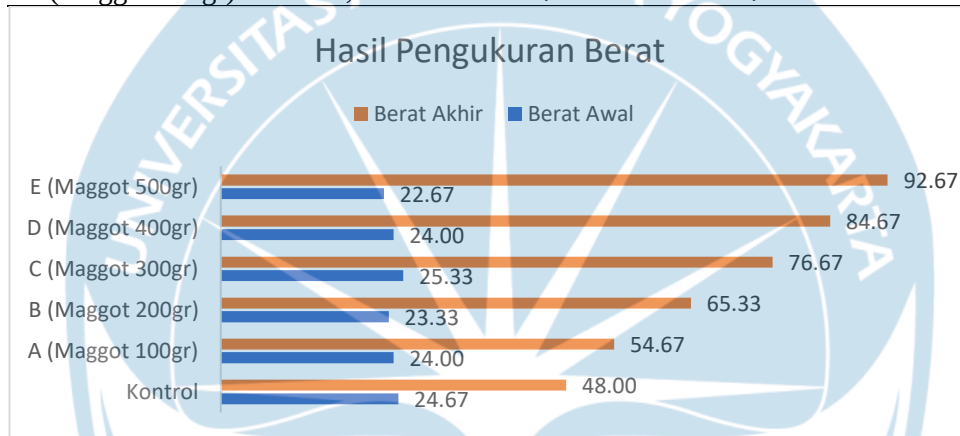
Parameter Air Minggu ke-5 (Terakhir)

Perlakuan	Suhu	pH	DO	TDS	Ammonia	GH
K1	24,9	7,24	6,2	149	0,5	50
K2	25,8	6,78	5,7	157	0,5	50
K3	25,9	7,13	6,2	159	1	100
A1	26	7,34	5,6	146	0,5	50
A2	26	6,84	7,1	153	1	100
A3	24,9	7,08	6,5	158	0,5	50
B1	25	7,16	5,9	183	1	50
B2	25,8	6,89	5,7	174	0,5	50
B3	26,3	6,97	6,2	169	0,5	100
C1	25,8	7	6,2	167	0,5	50
C2	24,8	7,36	5,4	181	0,25	100
C3	25,7	6,79	5,7	176	0,5	50
D1	26,3	7	5,9	163	0,5	100
D2	26,4	7,24	6	170	0,5	50
D3	26,2	6,74	6	169	0,5	100
E1	26,3	7,25	6,2	164	0,5	50
E2	26,2	7,21	6,5	167	1	100
E3	25,7	6,89	5,8	173	0,5	50

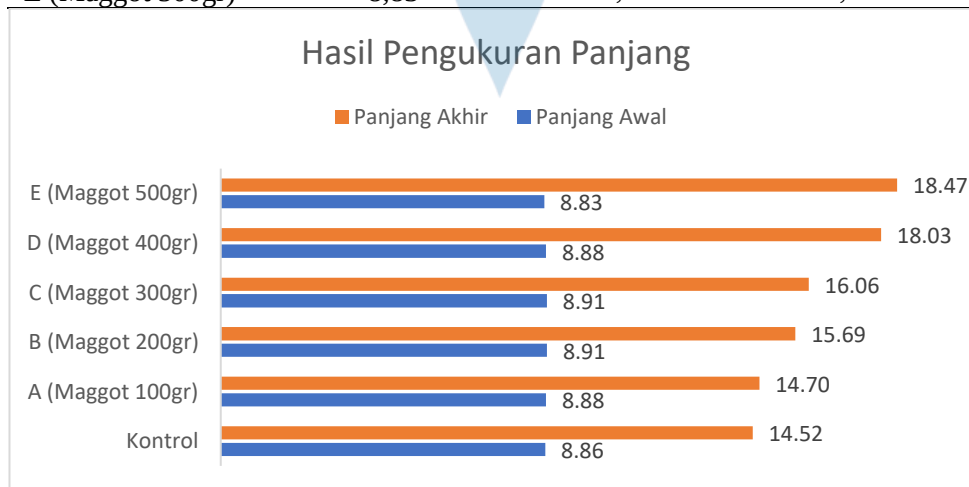
Lampiran 7. Hasil Akhir Pengambilan Data

Berat Udang

Perlakuan	Berat Awal	Berat Akhir	Berat Mutlak	Laju Pertumbuhan Spesifik
Kontrol	24,67	48,00	23,33	0,67
A (Maggot 100gr)	24,00	54,67	30,67	0,88
B (Maggot 200gr)	23,33	65,33	42,00	1,20
C (Maggot 300gr)	25,33	76,67	51,34	1,47
D (Maggot 400gr)	24,00	84,67	60,67	1,73
E (Maggot 500gr)	22,67	92,67	70,00	2,00



Perlakuan	Panjang Awal	Panjang Akhir	Panjang Mutlak
Kontrol	8,86	14,52	5,66
A (Maggot 100gr)	8,88	14,70	5,82
B (Maggot 200gr)	8,91	15,69	6,78
C (Maggot 300gr)	8,91	16,06	7,15
D (Maggot 400gr)	8,88	18,03	9,15
E (Maggot 500gr)	8,83	18,47	9,63



Perlakuan	Populasi Awal	Populasi Akhir	Sintasan
K1	30	27	90,00
K2	30	26	86,67
K3	30	26	86,67
A1	30	28	93,33
A2	30	30	100,00
A3	30	27	90,00
B1	30	25	83,33
B2	30	28	93,33
B3	30	29	96,67
C1	30	28	93,33
C2	30	28	93,33
C3	30	30	100,00
D1	30	29	96,67
D2	30	27	90,00
D3	30	30	100,00
E1	30	30	100,00
E2	30	29	96,67
E3	30	30	100,00

Perlakuan	Sintasan Hidup
Kontrol	87,77
A (Maggot 100gr)	94,44
B (Maggot 200gr)	91,11
C (Maggot 300gr)	95,55
D (Maggot 400gr)	95,55
E (Maggot 500gr)	98,88

Lampiran 8. Hasil Uji *One Way Anova* Dan Uji *Duncan*

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
PanjangMutlak	Kontrol	3	5,662	,0844	,0487	5,452	5,872	5,6	5,7
	A (Perlakuan Maggot 100gr)	3	5,824	,1152	,0665	5,538	6,110	5,7	5,9
	B (Perlakuan Maggot 200gr)	3	6,778	,1998	,1153	6,282	7,274	6,6	7,0
	C (Perlakuan Maggot 300gr)	3	7,150	,1727	,0997	6,721	7,579	7,0	7,3
	D (Perlakuan Maggot 400gr)	3	9,149	,1183	,0683	8,856	9,443	9,1	9,3
	E (Perlakuan Maggot 500gr)	3	9,633	,2530	,1460	9,004	10,261	9,4	9,9
	Total	18	7,366	1,5776	,3718	6,582	8,151	5,6	9,9
BeratMutlak	Kontrol	3	23,3333	2,30940	1,33333	17,5965	29,0702	22,00	26,00
	A (Perlakuan Maggot 100gr)	3	30,6667	2,30940	1,33333	24,9298	36,4035	28,00	32,00
	B (Perlakuan Maggot 200gr)	3	42,0000	2,00000	1,15470	37,0317	46,9683	40,00	44,00
	C (Perlakuan Maggot 300gr)	3	51,3333	1,15470	,66667	48,4649	54,2018	50,00	52,00
	D (Perlakuan Maggot 400gr)	3	60,6667	2,30940	1,33333	54,9298	66,4035	58,00	62,00
	E (Perlakuan Maggot 500gr)	3	70,0000	2,00000	1,15470	65,0317	74,9683	68,00	72,00
	Total	18	46,3333	16,80686	3,96142	37,9755	54,6912	22,00	72,00
LajuPertumbuhanSpesifik	Kontrol	3	,66667	,065983	,038095	,50276	,83058	,629	,743
	A (Perlakuan Maggot 100gr)	3	,87619	,032991	,019048	,79424	,95815	,857	,914
	B (Perlakuan Maggot 200gr)	3	1,20000	,057143	,032991	1,05805	1,34195	1,143	1,257
	C (Perlakuan Maggot 300gr)	3	1,46667	,032991	,019048	1,38471	1,54862	1,429	1,486
	D (Perlakuan Maggot 400gr)	3	1,67619	,032991	,019048	1,59424	1,75815	1,657	1,714
	E (Perlakuan Maggot 500gr)	3	1,88571	,057143	,032991	1,74376	2,02767	1,829	1,943
	Total	18	1,29524	,443060	,104430	1,07491	1,51557	,629	1,943
SurvivalRate	Kontrol	3	87,7778	1,92450	1,11111	82,9971	92,5585	86,67	90,00
	A (Perlakuan Maggot 100gr)	3	93,3333	3,33333	1,92450	85,0529	101,6138	90,00	96,67
	B (Perlakuan Maggot 200gr)	3	91,1111	6,93889	4,00617	73,8740	108,3483	83,33	96,67
	C (Perlakuan Maggot 300gr)	3	95,5556	3,84900	2,22222	85,9941	105,1170	93,33	100,00
	D (Perlakuan Maggot 400gr)	3	97,7778	1,92450	1,11111	92,9971	102,5585	96,67	100,00
	E (Perlakuan Maggot 500gr)	3	98,8889	1,92450	1,11111	94,1082	103,6696	96,67	100,00
	Total	18	94,0741	5,05597	1,19170	91,5598	96,5883	83,33	100,00

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
PanjangMutlak	Between Groups	41,972	5	8,394	299,630	<,001
	Within Groups	,336	12	,028		
	Total	42,308	17			
BeratMutlak	Between Groups	4751,333	5	950,267	225,063	<,001
	Within Groups	50,667	12	4,222		
	Total	4802,000	17			
LajuPertumbuhanSpesifik	Between Groups	3,309	5	,662	280,615	<,001
	Within Groups	,028	12	,002		
	Total	3,337	17			
SurvivalRate	Between Groups	264,198	5	52,840	3,722	,029
	Within Groups	170,370	12	14,198		
	Total	434,568	17			

		PanjangMutlak				
Duncan ^a		Subset for alpha = 0.05				
Perlakuan	N	1	2	3	4	5
Kontrol	3	5,662				
A (Perlakuan Maggot 100gr)	3	5,824				
B (Perlakuan Maggot 200gr)	3		6,778			
C (Perlakuan Maggot 300gr)	3			7,150		
D (Perlakuan Maggot 400gr)	3				9,149	
E (Perlakuan Maggot 500gr)	3					9,633
Sig.		,258	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

BeratMutlak

Duncan^a

Perlakuan	N	Subset for alpha = 0.05					
		1	2	3	4	5	6
Kontrol	3	23,3333					
A (Perlakuan Maggot 100gr)	3		30,6667				
B (Perlakuan Maggot 200gr)	3			42,0000			
C (Perlakuan Maggot 300gr)	3				51,3333		
D (Perlakuan Maggot 400gr)	3					60,6667	
E (Perlakuan Maggot 500gr)	3						70,0000
Sig.		1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

LajuPertumbuhanSpesifik

Duncan^a

Perlakuan	N	Subset for alpha = 0.05					
		1	2	3	4	5	6
Kontrol	3	,66667					
A (Perlakuan Maggot 100gr)	3		,87619				
B (Perlakuan Maggot 200gr)	3			1,20000			
C (Perlakuan Maggot 300gr)	3				1,46667		
D (Perlakuan Maggot 400gr)	3					1,67619	
E (Perlakuan Maggot 500gr)	3						1,88571
Sig.		1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

SurvivalRate

Duncan^a

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Kontrol	3	87,7778		
B (Perlakuan Maggot 200gr)	3	91,1111	91,1111	
A (Perlakuan Maggot 100gr)	3	93,3333	93,3333	93,3333
C (Perlakuan Maggot 300gr)	3		95,5556	95,5556
D (Perlakuan Maggot 400gr)	3		97,7778	97,7778
E (Perlakuan Maggot 500gr)	3			98,8889
Sig.		,111	,067	,119

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

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