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**LAMPIRAN**

(a)



(b)



(c)



(d)

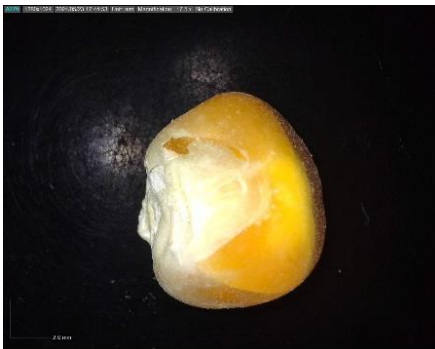
Gambar Lampiran 1. Jenis biji sereal yang digunakan dalam penelitian: (a) beras giling, (b) benih padi, (c) benih jagung, (d) benih sorgum.



(a)



(b)

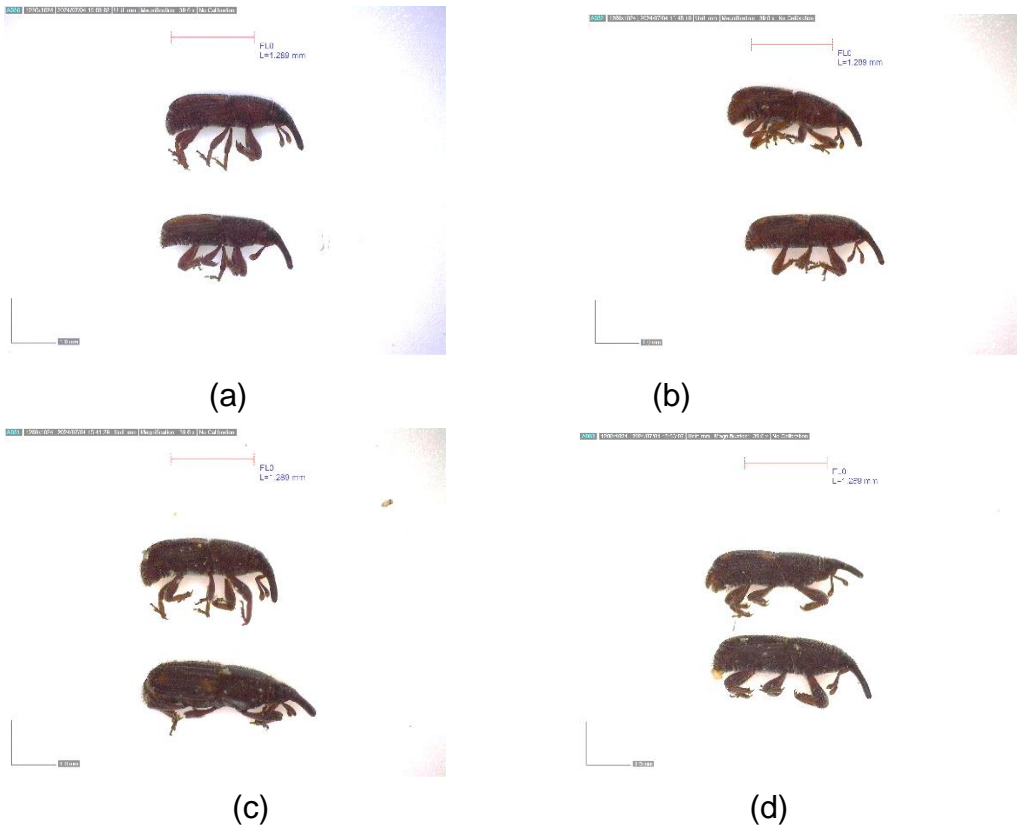


(c)



(d)

Gambar Lampiran 2. Kerusakan *Sitophilus zeamais* pada biji serealia: (a) beras giling, (b) benih padi, (c) benih jagung, (d) benih sorgum.



Gambar Lampiran 3. Imago jantan dan betina *Sitophilus zeamais* pada biji serealia: (a) beras giling, (b) benih padi, (c) benih jagung, (d) benih sorgum.

Tabel Lampiran 1. Analisis ragam kehadiran *Sitophilus zeamais* pada empat jenis biji sereal

		<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Kehadiran total	Perlakuan	2153,250	3	717,750	41,288	0,000
	Residual	486,750	28	17,384		
	Total	2640,000	31			
Kehadiran imago betina	Perlakuan	396,000	3	132,000	30,295	0,000
	Residual	122,000	28	4,357		
	Total	518,000	31			
Kehadiran imago jantan	Perlakuan	705,250	3	235,083	22,796	0,000
	Residual	288,750	28	10,313		
	Total	994,000	31			

Tabel Lampiran 2. Analisis ragam kematian imago *Sitophilus zeamais* pada empat jenis biji sereal dalam *free choice test*

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	24,250	3	8,083	2,235	0,106
Residual	101,250	28	3,616		
Total	125,500	31			

Tabel Lampiran 3. Analisis kemunculan imago baru *Sitophilus zeamais* pada empat jenis biji sereal dalam *free choice test*

		<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Kehadiran total	Perlakuan	66,147	3	22,049	43,982	0,000
	Residual	14,037	28	0,501		
	Total	80,184	31			
Kehadiran imago betina	Perlakuan	32,851	3	10,950	33,687	0,000
	Residual	9,102	28	0,325		
	Total	41,952	31			
Kehadiran imago jantan	Perlakuan	29,152	3	9,717	33,945	0,000
	Residual	8,016	28	0,286		
	Total	37,168	31			

Tabel Lampiran 4. Analisis kematian imago *Sitophilus zeamais* pada empat jenis biji sereal dalam *no choice test*.

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	1524,500	3	508,167	52,024	0,000
Residual	273,500	28	9,768		
Total	1798,000	31			



Tabel Lampiran 5. Analisis kemunculan imago baru *Sitophilus zeamais* pada empat jenis biji serealiala dalam no choice test

		<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Kehadiran total	Perlakuan	191,906	3	63,969	97,685	0,000
	Residual	18,336	28	0,655		
	Total	210,242	31			
Kehadiran imago betina	Perlakuan	94,742	3	31,581	65,023	0,000
	Residual	13,599	28	0,486		
	Total	108,342	31			
Kehadiran imago jantan	Perlakuan	92,989	3	30,996	95,427	0,000
	Residual	9,095	28	0,325		
	Total	102,084	31			

Tabel Lampiran 6. Analisis median developmental period *Sitophilus zeamais* pada empat jenis biji serealiala

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	677,500	3	225,833	24,089	0,000
Residual	262,500	28	9,375		
Total	940,000	31			

Tabel Lampiran 7. Analisis kehilangan berat biji *Sitophilus zeamais* pada empat jenis biji serealiala

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	28,595	3	9,532	75,138	0,000
Residual	3,552	28	0,127		
Total	32,147	31			

Tabel Lampiran 8. Analisis lama pradewasa *Sitophilus zeamais* pada empat jenis biji serealiala

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	0,020	3	0,007	4,999	0,003
Residual	0,102	76	0,001		
Total	0,122	79			

Tabel Lampiran 9. Analisis lama praoviposisi *Sitophilus zeamais* pada empat jenis biji serealiala

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	4,352	2	2,176	36,460	0,000
Residual	1,850	31	0,060		
Total	6,203	33			

Tabel Lampiran 10. Analisis siklus hidup *Sitophilus zeamais* pada empat jenis biji serealia

	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
Perlakuan	121,421	2	60,710	4,687	0,017
Residual	401,550	31	12,953		
Total	522,971	33			

Tabel Lampiran 11. Suhu dan kelembapan laboratorium entomologi

Tanggal	Suhu/Kelembaban					
	Pagi		Siang		Sore	
	(°C)	(%)	(°C)	(%)	(°C)	(%)
20 Oktober 2023	27,9	74	28	57	27,3	43
21 Oktober 2023	26,3	60	28,4	58	27,4	63
22 Oktober 2023	27,4	57	29,1	49	28,3	61
23 Oktober 2023	27,6	69	28,2	64	28,9	76
24 Oktober 2023	28,7	67	29,2	55	29,2	61
25 Oktober 2023	27,9	31	29,4	56	28,2	64
26 Oktober 2023	28	57	28,1	46	28,0	60
27 Oktober 2023	28,9	67	29,4	65	29,8	69
28 Oktober 2023	27,9	68	28,9	68	30	62
29 Oktober 2023	27,6	68	30,2	50	27,6	67
30 Oktober 2023	28,1	67	29,3	61	27,8	52
31 Oktober 2023	29	53	30,1	52	26,9	46
<b>Rerata</b>	<b>28,5</b>	<b>61,5</b>	<b>28</b>	<b>56,8</b>	<b>30</b>	<b>60,3</b>
01 November 2023	27,4	52	30,1	76	28,1	52
02 November 2023	27,9	62	28,7	64	28,9	62
03 November 2023	28,1	58	29,1	61	30,1	58
04 November 2023	28	63	29	67	30,0	63
05 November 2023	29	47	30	52	27,8	47
06 November 2023	28,1	77	29,1	63	28,9	77
07 November 2023	28	62	28,3	46	27,3	62
08 November 2023	29	46	29,3	65	27,5	46
09 November 2023	27,3	68	28,9	58	28,4	65
10 November 2023	27,6	78	27,3	67	28,5	55
11 November 2023	28,1	65	28,1	68	29	56
12 November 2023	27,9	52	29,9	68	27,1	46
13 November 2023	28	63	29	67	28,8	65
14 November 2023	28,1	66	28	53	28,1	68
15 November 2023	28,3	77	29	52	28	76

Tanggal	Suhu/Kelembaban					
	Pagi		Siang		Sore	
	(°C)	(%)	(°C)	(%)	(°C)	(%)
16 November 2023	27	76	29,2	58	29,1	61
17 November 2023	28	64	29	78	26,9	64
18 November 2023	27,1	61	28	61	28,9	60
19 November 2023	27,3	67	28,7	63	27,8	69
20 November 2023	27,6	52	29	47	27,4	68
21 November 2023	27,2	63	29,1	77	29,9	78
22 November 2023	28	46	28,4	62	28,4	65
23 November 2023	26,9	65	28,4	46	28,5	52
24 November 2023	26,9	58	27,1	68	28,0	63
25 November 2023	27,1	76	28	68	27,9	66
26 November 2023	28	32	29	67	29	77
27 November 2023	27	52	28	53	29	76
28 November 2023	29	58	29,9	52	29,1	64
29 November 2023	27,4	78	29		30	61
30 November 2023	27	61	28	46	27	67
<b>Rerata</b>	<b>28</b>	<b>61,5</b>	<b>28,7</b>	<b>61,1</b>	<b>28,7</b>	<b>63,0</b>
01 Desember 2023	28	47	27	68	27,3	37
02 Desember 2023	28,4	77	28,3	76	28,8	67
03 Desember 2023	28,8	62	30	61	28,3	68
04 Desember 2023	28,1	46	28,3	46	27	58
05 Desember 2023	27,9	65	28,3	65	27,1	67
06 Desember 2023	28,1	55	28,3	55	29,2	68
07 Desember 2023	28,2	56	27,1	56	28	68
08 Desember 2023	27,7	47	27,9	47	29	68
09 Desember 2023	28	77	28,4	77	27,1	67
10 Desember 2023	28,1	62	29,2	62	27,8	53
11 Desember 2023	27,2	46	28,0	46	27	52
12 Desember 2023	28,8	68	29,2	64	28,9	
13 Desember 2023	29,6	68	28,4	60	26,8	46
14 Desember 2023	28,1	67	27,5	69	28,7	65
15 Desember 2023	27,7	53	28,1	68	27,1	68
16 Desember 2023	26,3	52	28,0	78	27	76
17 Desember 2023	27	46	27,9	65	28,1	61
18 Desember 2023	26,4	65	29	52	28	64
19 Desember 2023	25	68	30	63	27,8	65
20 Desember 2023	26,1	76	30,1	66	27,4	58

Tanggal	Suhu/Kelembaban					
	Pagi		Siang		Sore	
	(°C)	(%)	(°C)	(%)	(°C)	(%)
21 Desember 2023	28,2	61	28,4	77	30	67
22 Desember 2023	28,0	64	28,3	76	28	68
23 Desember 2023	29,2	65	27,9	63	28,1	68
24 Desember 2023	27,3	58	27	46	28,7	68
25 Desember 2023	28,4	67	28,4	65	28	67
26 Desember 2023	27,6	68	26,9	58	28	67
27 Desember 2023	28,7	68	29	76	29	53
28 Desember 2023	27,1	68	29,8		29,3	52
29 Desember 2023	27,7	68	28,4	52	27,9	58
30 Desember 2023	26,4	67	28,4	63	29	78
31 Desember 2023	28,4	53	29	46	29	61
<b>Rerata</b>	<b>27</b>	<b>61,6</b>	<b>28,7</b>	<b>62,2</b>	<b>28,2</b>	<b>62,8</b>