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LAMPIRAN

Tabel lampiran 1. Deskripsi Sorgum Kultivar Soper-6

Variabel	Deskripsi
Tahun dilepas	2019
Asal	Perbaikan galur introduksi KT247-1-1-1, introduksi dari ICRISAT, India tahun 2002
Umur	Berbunga 50% : \pm 64 hst Panen : \pm 111 hst
Sifat tanaman	Tidak membentuk anakan dan dapat diratun
Tinggi tanaman	\pm 181 cm
Kedudukan tangkai	Di pucuk
Sifat/bentuk malai	Kompak/Simetris
Warna/Ukuran biji	Krem/Kecil
Kadar protein	\pm 15,05%
Kadar lemak	\pm 2,82%
Kadar karbohidrat	\pm 66,88%
Kadar tanin	\pm 0,07%
Bobot 1000 biji	\pm 24,92 gram
Rata-rata hasil	\pm 4,5 t/ha (KA 10%)
Potensi hasil	\pm 6,0 t/ha (KA 10%)
Ketahanan	Tahan terhadap hama <i>Aphis</i> , sangat tahan terhadap penyakit karat dan tahan penyakit antraknosa Fatmawati dan muhammad Azrai, Amin Nur, Karlina S, Aviv Andriani, dan Roy Efendi



Tabel lampiran 2. Deskripsi Sorgum Varietas Numbu

Variabel	Deskripsi
Tahun dilepas	22 Oktober 2001
Asal	India
Umur	Berbunga 50% : \pm 69 hst Panen : \pm 100–105 hst
Tinggi tanaman	\pm 187 cm
Kedudukan tangkai	Di pucuk
Sifat/bentuk malai	Kompak/Elips
Panjang malai	\pm 22–23 cm
Bentuk biji	Bulat lonjong
Sifat Biji	Mudah Rontok
Warna biji	Krem
Ukuran biji	4,2; 4,8; 4,4 mm
Kadar protein	\pm 9,12%
Kadar lemak	\pm 3,94%
Kadar karbohidrat	\pm 84,58%
Bobot 1000 biji	\pm 36–37 gram
Rata-rata hasil	\pm 3,11 t/ha (KA 10%)
Potensi hasil	\pm 4,0–5,0 t/ha (KA 10%)
Ketahanan	Tahan terhadap hama <i>Aphis</i> , tahan terhadap penyakit karat, dan bercak daun. Dapat ditanam di lahan sawah dan tegalan



Tabel lampiran 3. Deskripsi Sorgum Kultivar Suri-4

Variabel	Deskripsi
Tahun dilepas	22 November 2014
Asal	Merupakan perbaikan galur Introduksi galur 15020, introduksi dari ICRISAT, India tahun 2002
Umur	Berbunga 50% : \pm 55 hst Panen : \pm 95 hst
Tinggi tanaman	\pm 239,4 cm
Kedudukan tangkai	Di pucuk
Sifat/bentuk malai	Terbuka/Terkulai
Panjang malai	\pm 29 cm
Warna biji	Cokelat tua kemerahan
Ukuran biji	Panjang
Kadar protein	\pm 15,42%
Kadar lemak	\pm 3,96%
Kadar karbohidrat	\pm 64,93%
Kadar Gula (Brix)	\pm 15,05%
Kadar tanin	\pm 0,013% b.k
Bobot 1000 biji	\pm 32,4 gram
Rata-rata hasil	\pm 4,8 t/ha (KA 10%)
Potensi hasil	\pm 5,7 t/ha (KA 10%)
Ketahanan	Tahan terhadap hama <i>Aphis</i> , agak tahan terhadap penyakit antraknosa, dan bercak daun Fatmawati dan Muahmmad Azrai



Tabel lampiran 4. Deskripsi Sorgum Kultivar Kawali

Variabel	Deskripsi
Tahun dilepas	22 Oktober 2001
Asal	India
Umur	Berbunga 50% : \pm 70 hst Panen : \pm 100–110 hst
Tinggi tanaman	\pm 135 cm
Kedudukan tangkai	Di pucuk
Sifat/bentuk malai	Kompak/Elips
Panjang malai	\pm 28–29 cm
Bentuk biji	Bulat
Sifat Biji	Mudah Rontok
Warna biji	Krem
Ukuran biji	3,2; 3,0; 3,4 mm
Kadar protein	\pm 8,81%
Kadar lemak	\pm 1,97%
Kadar karbohidrat	\pm 87,87%
Bobot 1000 biji	\pm 30 gram
Rata-rata hasil	\pm 2,96 t/ha (KA 10%)
Potensi hasil	\pm 4,0–5,0 t/ha (KA 10%)
Ketahanan	Agak tahan terhadap hama <i>Aphis</i> , tahan terhadap penyakit karat, dan bercak daun. Dapat ditanam di lahan sawah dan tegalan



Tabel lampiran 5. Deskripsi Sorgum Kultivar Super-2

Variabel	Deskripsi
Tahun dilepas	18 Desember 2013
Asal	Perbaikan galur 15021, introduksi dari ICRISAT
Umur	Berbunga 50% : ± 60 hst Panen : $\pm 115-120$ hst
Tinggi tanaman	$\pm 229,7$ cm
Kedudukan tangkai	Di pucuk
Sifat/bentuk malai	Agak terserat/Simetris
Panjang malai	± 26 cm
Warna biji	Krem kemerahan
Ukuran biji	Panjang 4,63 mm, lebar 3,6 mm, diameter 2,92 mm
Kadar protein	$\pm 9,2\%$
Kadar lemak	$\pm 3,1\%$
Kadar karbohidrat	$\pm 75,6\%$
Kadar Gula (Brix)	$\pm 12,7\%$
Kadar tanin	$\pm 0,3\%$
Bobot 1000 biji	$\pm 30,1$ gram
Rata-rata hasil	$\pm 3,0$ t/ha (KA 10%)
Potensi hasil	$\pm 6,3$ t/ha (KA 10%)
Ketahanan	Tahan hama <i>Aphis</i> , agak tahan antraknosa, karat, dan hawar daun Marcia B. P, Sigit B. S, Nuning A, Aviv A, Sumarni S, Fatmawati R, M. Azrai



Tabel lampiran 6. Deskripsi Sorgum Kultivar Super-1

Variabel	Deskripsi
Tahun dilepas	18 Desember 2013
Asal	Perbaikan populasi Watar Hamu Putih hasil koleksi plasma nutfah Balitsereal dari Pulau Sumba, Nusa Tenggara Timur
Umur	Berbunga 50% : \pm 56 hst Panen : \pm 105–110 hst
Tinggi tanaman	\pm 204,8 cm
Kedudukan tangkai	Di pucuk
Sifat/Bentuk malai	Kompak/Lonjong
Panjang malai	\pm 26,7 cm
Warna biji	Putih
Kadar protein	\pm 12,9%
Kadar lemak	\pm 2,2%
Kadar karbohidrat	\pm 71,3%
Kadar Gula (Brix)	\pm 13,5%
Kadar tanin	\pm 0,11%
Bobot 1000 biji	\pm 28,0 gram
Rata-rata hasil	\pm 2,6 t/ha (KA 10%)
Potensi hasil	\pm 5,7 t/ha (KA 10%)
Ketahanan	Tahan hama <i>Aphis</i> , tahan antraknosa, karat, dan hawar daun
	Marcia B. P, Sigit B. S, Fatmawati R, Amin Nur, Muzdalifah, Nuning A, Sumarni Singgih, M. Azrai





(a)



(b)



(c)



(d)



(e)

Perangka *Sitophilus zeamais*: (a) Telur; (b) Egg Plug; (c) Larva; (d) Pupa; dan (e) Imago





(a)



(b)



(c)



(d)



(e)



(f)



Gejala Kerusakan Biji oleh Serangan *Sitophilus zeamais*: (a) Soper-6; (b) Numbu; (c) Suri-4; (d) Kawali; (e) Super-2; (f) Super-1



(a)



(b)



(c)



(d)



(e)



(f)

Gambar lampiran 3. Kultivar Sorgum yang Digunakan dalam Penelitian: (a) Soper-6; (b) Numbu; (c) Suri-4; (d) Kawali; (e) Super-2; (Super-1)



Tabel lampiran 7. Analisis Ragam Pertumbuhan *Sitophilus zeamais* pada Enam Kultivar Sorgum

		ANOVA				
		Sum of		Mean		
		Squares	df	Square	F	Sig.
Transform_Telur	Between Groups	149.549	5	29.910	3.874	.015
	Within Groups	138.978	18	7.721		
	Total	288.528	23			
Transform_Larva	Between Groups	39.970	5	7.994	1.144	.374
	Within Groups	125.796	18	6.989		
	Total	165.767	23			
Transform_Pupa	Between Groups	23.785	5	4.757	.795	.567
	Within Groups	107.738	18	5.985		
	Total	131.523	23			
JumlahImago	Between Groups	4835.708	5	967.142	.756	.593
	Within Groups	23035.250	18	1279.73		
	Total	27870.958	23			

Tabel lampiran 8. Analisis Ragam Mortalitas Imago Infestasi pada Enam Kultivar Sorgum

		ANOVA				
		Sum of		Mean Square	F	Sig.
		Squares	df			
Between Groups		1831.474	5	366.295	1.730	.015
Within Groups		3810.889	18	211.716		
Total		5642.363	23			

Tabel lampiran 9. Analisis Ragam Daya Tetas Telur pada Enam Kultivar Sorgum



		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
		4891.833	5	978.367	3.431	.024
		5132.144	18	285.119		
		10023.977	23			

Tabel lampiran 10. Analisis Ragam Imago Jantan pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1942.333	5	388.467	.856	.529
Within Groups	8171.000	18	453.944		
Total	10113.333	23			

Tabel lampiran 11. Analisis Ragam Imago Betina pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	772.708	5	154.542	.684	.642
Within Groups	4068.250	18	226.014		
Total	4840.958	23			

Tabel lampiran 12. Analisis Ragam Kesintasan Pradewasa pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2292.079	5	458.416	1.456	.253
Within Groups	5666.174	18	314.787		
Total	7958.253	23			

Tabel lampiran 13. Analisis Ragam Median Developmental Period pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	41.708	5	8.342	.842	.537
Within Groups	178.250	18	9.903		
Total	219.958	23			



Tabel lampiran 14. Analisis Ragam Indeks Pertumbuhan pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.001	5	.000	1.963	.133
Within Groups	.002	18	.000		
Total	.003	23			

Tabel lampiran 15. Analisis Ragam Indeks Kepekaan pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.166	5	.033	.782	.576
Within Groups	.765	18	.042		
Total	.931	23			

Tabel lampiran 16. Analisis Ragam Penurunan Berat Pakan pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.744	5	.349	1.073	.408
Within Groups	5.851	18	.325		
Total	7.594	23			

Tabel lampiran 17. Analisis Ragam Biji Rusak pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.569	5	1.114	.867	.522
Within Groups	23.131	18	1.285		
Total	28.699	23			



Tabel lampiran 18. Analisis Ragam Debu Gerekan pada Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.005	5	.001	.520	.758
Within Groups	.036	18	.002		
Total	.041	23			

Tabel lampiran 19. Analisis Ragam Daya Perkecambahan Awal Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	182.208	5	36.442	2.312	.087
Within Groups	283.750	18	15.764		
Total	465.958	23			

Tabel lampiran 20. Analisis Ragam Daya Perkecambahan Akhir Enam Kultivar Sorgum

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	75.337	5	15.067	4.674	.007
Within Groups	58.021	18	3.223		
Total	133.359	23			

