

**Lampiran 1. Denah Percobaan**

P15U4	P1U1		
P5U2	P19U2		
P14U4	P14U1	P13U4	P19U4
P2U1	P5U4	P15U1	P18U2
P9U3	P17U2	P16U4	P13U3
P6U4	P14U3	P6U3	P4U2
P3U2	P13U1	P3U1	P12U4
P7U3	P1U4	P19U3	P16U2
P19U1	P10U2	P16U1	P4U1
P2U3	P11U4	P1U3	P18U3
P9U2	P5U1	P6U1	P8U3
P17U1	P10U3	P12U2	P12U3
P15U3	P1U2	P2U4	P18U1
P12U1	P14U2	P6U2	P15U2
P11U2	P9U4	P3U3	P18U4
P3U4	P8U2	P7U1	P7U2
P8U1	P17U4	P13U2	P8U4
P4U3	P2U2	P16U3	P5U3
P7U4	P11U3	P9U1	P11U1
P10U1	P4U4	P10U4	P17U3

## Lampiran 2. Perhitungan Kebutuhan Pupuk

Rekomendasi Pupuk:

a. Dosis Rekomendasi

SP36 = 4 kg/m<sup>2</sup> diberikan pada pemupukan dasar

ZA = 3,6 gr/l diberikan pada pemupukan ke-I

ZA = 5,4 gr/l diberikan pada pemupukan ke-II

ZA = 8,2 gr/l diberikan pada pemupukan ke-III

Keterangan:

Setiap 12 bak memerlukan pupuk ZA yang telah dicampur kedalam 1 liter, sedangkan bak yang digunakan yaitu 60 bak sehingga membutuhkan 5 liter air sebagai pelarut.

b. Perhitungan Kebutuhan pupuk

- Pupuk Dasar SP36

$$\text{SP36} = \text{luas petak} \times \text{dosis}$$

$$= 8 \text{ m}^2 \times 4 \text{ gr}$$

$$= 32 \text{ gr/m}^2$$

- Pupuk Susulan I

$$\text{ZA} = 3,6 \text{ gr} \times 5 \text{ l}$$

$$= 10 \text{ gr}$$

- Pupuk Susulan II

$$\text{ZA} = 5,4 \text{ gr} \times 5 \text{ l}$$

$$= 27 \text{ gr}$$

- Pupuk Susulan III

$$\text{ZA} = 8,2 \text{ gr} \times 5 \text{ l}$$

$$= 41 \text{ gr}$$

### Lampiran 3. Hasil Perhitungan ANOVA

#### 1. Daya Berkecambah

Sumber Keragaman	Db	JK	KT	F-Hitung	F- Tabel 5 %	F-Tabel 1 %
Perlakuan	18	209,0567	11,61426	35,26445**	1,787808	2,268228
JK 1	1	10,29973	10,29973	0,548651 <sup>tn</sup>	4,0099	7,1015
JK 2	1	0,00238	0,00238	0,000127 <sup>tn</sup>	4,0099	7,1015
JK 3	1	10,29973	10,29973	0,548651 <sup>tn</sup>	4,0099	7,1015
JK 4	1	0,00238	0,00238	0,000127 <sup>tn</sup>	4,0099	7,1015
JK 5	1	3,597316	3,597316	0,191624 <sup>tn</sup>	4,0099	7,1015
JK 6	1	13,04448	13,04448	0,69486 <sup>tn</sup>	4,0099	7,1015
JK 7	1	0,00476	0,00476	0,000254 <sup>tn</sup>	4,0099	7,1015
JK 8	1	0,189244	0,189244	0,010081 <sup>tn</sup>	4,0099	7,1015
JK 9	1	0,133975	0,133975	0,007137 <sup>tn</sup>	4,0099	7,1015
JK 10	1	0,033494	0,033494	0,001784 <sup>tn</sup>	4,0099	7,1015
JK 11	1	0,609612	0,609612	0,032473 <sup>tn</sup>	4,0099	7,1015
JK 12	1	0,095492	0,095492	0,005087 <sup>tn</sup>	4,0099	7,1015
JK 13	1	0,00325	0,00325	0,000173 <sup>tn</sup>	4,0099	7,1015
JK 14	1	0,133975	0,133975	0,007137 <sup>tn</sup>	4,0099	7,1015
JK 15	1	3,39433	3,39433	0,180811 <sup>tn</sup>	4,0099	7,1015
JK 16	1	27,10286	27,10286	1,44373 <sup>tn</sup>	4,0099	7,1015
JK 17	1	49,68011	49,68011	2,646386 <sup>tn</sup>	4,0099	7,1015
JK 18	1	33,38943	33,38943	1,778606 <sup>tn</sup>	4,0099	7,1015
Galat	57	18,77	0,33			
Total	75	227,83				

KK = 0,22

## 2. Kecepatan Tumbuh

Sumber Keragaman	Db	JK	KT	F-Hitung	F- Tabel 5 %	F-Tabel 1%
Perlakuan	18	461,041617	25,613	37,304**	1,787808	2,268228
JK 1	1	21,1024042	21,102	0,5392 <sup>tn</sup>	4,009868	7,1015
JK 2	1	0,06993003	0,0699	0,0018 <sup>tn</sup>	4,009868	7,1015
JK 3	1	10,1317593	10,132	0,2589 <sup>tn</sup>	4,009868	7,1015
JK 4	1	27,7224981	27,722	0,7083 <sup>tn</sup>	4,009868	7,1015
JK 5	1	0,00479502	0,0048	0,0001 <sup>tn</sup>	4,009868	7,1015
JK 6	1	0,15694801	0,1569	0,004 <sup>tn</sup>	4,009868	7,1015
JK 7	1	0,21660903	0,2166	0,0055 <sup>tn</sup>	4,009868	7,1015
JK 8	1	0,00628936	0,0063	0,0002 <sup>tn</sup>	4,009868	7,1015
JK 9	1	0,05320956	0,0532	0,0014 <sup>tn</sup>	4,009868	7,1015
JK 10	1	0,84371594	0,8437	0,0216 <sup>tn</sup>	4,009868	7,1015
JK 11	1	0,08450932	0,0845	0,0022 <sup>tn</sup>	4,009868	7,1015
JK 12	1	0,39417709	0,3942	0,0101 <sup>tn</sup>	4,009868	7,1015
JK 13	1	8,89195673	8,892	0,2272 <sup>tn</sup>	4,009868	7,1015
JK 14	1	64,9932211	64,993	1,6607 <sup>tn</sup>	4,009868	7,1015
JK 15	1	121,964983	121,96	3,1164 <sup>tn</sup>	4,009868	7,1015
JK 16	1	75,6432624	75,643	1,9328 <sup>tn</sup>	4,009868	7,1015
JK 17	1	78,6938907	78,694	2,0107 <sup>tn</sup>	4,009868	7,1015
JK 18	1	0,03015231	0,0302	0,0008 <sup>tn</sup>	4,009868	7,1015
Galat	57	39,14	0,69			
Total	75	500,18				

KK = 0,22

## 3. Keserempakan Tumbuh

Sumber Keragaman	Db	JK	KT	F-Hitung	F- Tabel 5 %	F-Tabel 1%
Perlakuan	18	52,54857	2,919365	18,44797826**	1,787808	2,268228
JK 1	1	3,525235	3,525235	0,39081715 <sup>tn</sup>	4,009868	7,1015
JK 2	1	0,066987	0,066987	0,007426394 <sup>tn</sup>	4,009868	7,1015
JK 3	1	0,564246	0,564246	0,062553859 <sup>tn</sup>	4,009868	7,1015
JK 4	1	4,594541	4,594541	0,509363271 <sup>tn</sup>	4,009868	7,1015
JK 5	1	0	0	0 <sup>tn</sup>	4,009868	7,1015
JK 6	1	0,033494	0,033494	0,003713197 <sup>tn</sup>	4,009868	7,1015
JK 7	1	0,033494	0,033494	0,003713197 <sup>tn</sup>	4,009868	7,1015
JK 8	1	2,47E-32	2,47E-32	2,73298 <sup>tn</sup>	4,009868	7,1015
JK 9	1	0,928889	0,928889	0,102979209 <sup>tn</sup>	4,009868	7,1015
JK 10	1	0,033494	0,033494	0,00371319 <sup>tn</sup>	4,009868	7,1015
JK 11	1	0,033494	0,033494	0,003713197 <sup>tn</sup>	4,009868	7,1015
JK 12	1	0	0	0 <sup>tn</sup>	4,009868	7,1015
JK 13	1	0,667468	0,667468	0,073997344 <sup>tn</sup>	4,009868	7,1015
JK 14	1	7,776751	7,776751	0,862151725 <sup>tn</sup>	4,009868	7,1015
JK 15	1	13,00086	13,00086	1,441310182 <sup>tn</sup>	4,009868	7,1015
JK 16	1	9,237843	9,237843	1,024132429 <sup>tn</sup>	4,009868	7,1015
JK 17	1	8,158846	8,158846	0,904511844 <sup>tn</sup>	4,009868	7,1015
JK 18	1	0,033494	0,033494	0,003713197 <sup>tn</sup>	4,009868	7,1015
Galat	57	9,02	0,16			
Total	75	61,57				

KK = 0,31

## 4. Indeks Vigor (IV)

Sumber Keragaman	Db	JK	KT	F-Hitung	F- Tabel 5 %	F-Tabel 1%
Perlakuan	18	57,04551	3,169195	28,54863**	1,7878089	2,268228
JK 1	1	2,484719	2,484719	0,39268 <sup>tn</sup>	4,009868	7,1015
JK 2	1	0,001625	0,001625	0,000257 <sup>tn</sup>	4,009868	7,1015
JK 3	1	1,664897	1,664897	0,263117 <sup>tn</sup>	4,009868	7,1015
JK 4	1	2,647559	2,647559	0,418415 <sup>tn</sup>	4,009868	7,1015
JK 5	1	0,00325	0,00325	0,000514 <sup>tn</sup>	4,009868	7,1015
JK 6	1	0,095492	0,095492	0,015091 <sup>tn</sup>	4,009868	7,1015
JK 7	1	0,133975	0,133975	0,021173 <sup>tn</sup>	4,009868	7,1015
JK 8	1	0	0	0 <sup>tn</sup>	4,009868	7,1015
JK 9	1	0,133975	0,133975	0,021173 <sup>tn</sup>	4,009868	7,1015
JK 10	1	0,242093	0,242093	0,03826 <sup>tn</sup>	4,009868	7,1015
JK 11	1	0,015877	0,015877	0,002509 <sup>tn</sup>	4,009868	7,1015
JK 12	1	0,133975	0,133975	0,021173 <sup>tn</sup>	4,009868	7,1015
JK 13	1	1,325694	1,325694	0,20951 <sup>tn</sup>	4,009868	7,1015
JK 14	1	7,369257	7,369257	1,164622 <sup>tn</sup>	4,009868	7,1015
JK 15	1	14,94615	14,94615	2,362059 <sup>tn</sup>	4,009868	7,1015
JK 16	1	8,828249	8,828249	1,395198 <sup>tn</sup>	4,009868	7,1015
JK 17	1	9,94929	9,94929	1,572366 <sup>tn</sup>	4,009868	7,1015
JK 18	1	0,033494	0,033494	0,005293 <sup>tn</sup>	4,009868	7,1015
Galat	57	6,33	0,11			
Total	75	63,37				

KK= 0,25

## 5. Potensi Maksimum Tumbuh

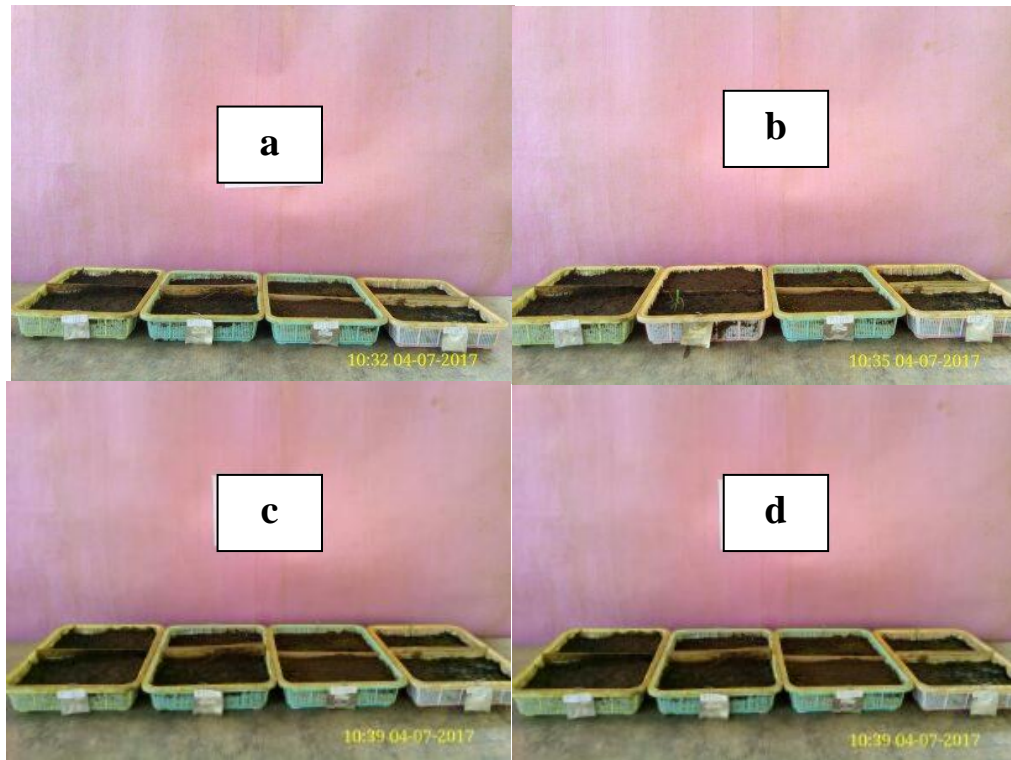
Sumber Keragaman	Db	JK	KT	F-Hitung	F- Tabel 5 %	F-Tabel 1%
Perlakuan	18	52,53314	2,918508	20,45843**	1,7878088	2,268228
JK 1	1	2,78806	2,78806	0,342877 <sup>tn</sup>	4,009868	7,1015
JK 2	1	0,007939	0,007939	0,000976 <sup>tn</sup>	4,009868	7,1015
JK 3	1	0,271206	0,271206	0,033353 <sup>tn</sup>	4,009868	7,1015
JK 4	1	4,351658	4,351658	0,535169 <sup>tn</sup>	4,009868	7,1015
JK 5	1	0,015877	0,015877	0,001953 <sup>tn</sup>	4,009868	7,1015
JK 6	1	0,015877	0,015877	0,001953 <sup>tn</sup>	4,009868	7,1015
JK 7	1	0	0	0 <sup>tn</sup>	4,009868	7,1015
JK 8	1	0,033494	0,033494	0,004119 <sup>tn</sup>	4,009868	7,1015
JK 9	1	1,315154	1,315154	0,161738 <sup>tn</sup>	4,009868	7,1015
JK 10	1	0,033494	0,033494	0,004119 <sup>tn</sup>	4,009868	7,1015
JK 11	1	0,033494	0,033494	0,004119 <sup>tn</sup>	4,009868	7,1015
JK 12	1	0	0	0 <sup>tn</sup>	4,009868	7,1015
JK 13	1	0,477458	0,477458	0,058718 <sup>tn</sup>	4,009868	7,1015
JK 14	1	7,3475	7,3475	0,9036 <sup>tn</sup>	4,009868	7,1015
JK 15	1	11,57095	11,57095	1,423003 <sup>tn</sup>	4,009868	7,1015
JK 16	1	7,879934	7,879934	0,969079 <sup>tn</sup>	4,009868	7,1015
JK 17	1	7,879934	7,879934	0,969079 <sup>tn</sup>	4,009868	7,1015
JK 18	1	0	0	0 <sup>tn</sup>	4,009868	7,1015
Galat	57	8,13	0,14			
Total	75	60,66				

KK = 0,29

**Lampiran 4. Data Jumlah Tanaman**

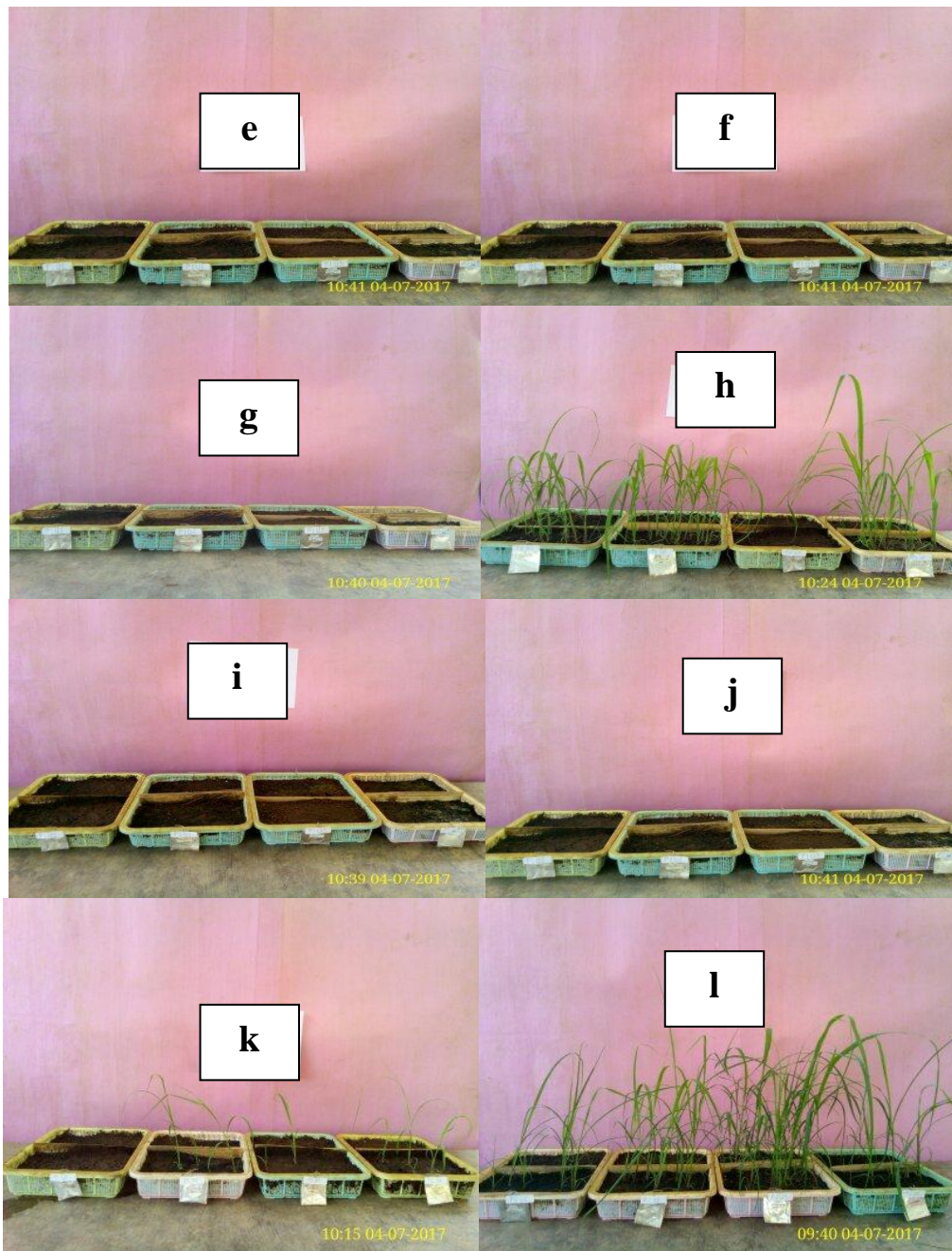
No	Perlakuan	Jumlah Tanaman					
		7	14	21	28	35	42
		HST	HST	HST	HST	HST	HST
1	PS 862 X IJ 76-378 (2011)	0	0	0	0	0	0
2	PS 862 X IJ 76-374 (2013)	2	2	2	2	2	2
3	M 442-51 X KAWALI (2013)	7	7	7	7	7	7
4	BL X KAWALI (2014)	0	0	0	0	0	0
5	D 9388 X BU 442 (2006)	0	0	0	0	0	0
6	CP 52-48 X PS 864 (2007)	0	0	0	0	0	0
7	RB 72-5042 X PS 41(2008)	0	0	0	0	0	0
8	KK X PS 80-1993 (2009)	107	105	104	101	101	101
9	TROJAN X PS 94-516 (2013)	0	0	0	0	0	0
10	BL X F 156 (2014)	2	2	2	2	2	2
11	TUC 72-5 X CP 82-1592 (2015)	60	54	54	53	50	50
12	CP 75-1082 X PS 71-586 (2016)	28	28	28	28	28	28
13	POJ 2878 X IJ 76-518 (2014)	0	0	0	0	0	0
14	TUC 72-5 X IJ 76-348 (2015)	0	0	0	0	0	0
15	CP 29-116 X IJ 76-518 (2016)	0	0	0	0	0	0
16	IJ 76-450 X PS 57 (2006)	0	0	0	0	0	0
17	IS 76-200 X CP 70-1133 (2007)	0	0	0	0	0	0
18	IJ 76-465 X CP 82-1592 (2015)	104	94	93	92	92	92
19	IJ 76-518 X CP 44-101 (2016)	0	0	0	0	0	0
<b>TOTAL</b>		<b>310</b>	<b>292</b>	<b>290</b>	<b>285</b>	<b>282</b>	<b>282</b>



**Lampiran 5. Dokumentasi Penelitian**

Perkecambahan benih intergenerik pada 42 HSS: a. P1 (*Saccharum spp* hybrid x *E.arundinaceus* 2011); b.P2 (*Saccharum spp* hybrid x *E.arundinaceus* 2013); c.P3 (*Saccharum spp* hybrid x *S.bicolor* 2013); d.P4 (*Saccharum spp* hybrid x *S.bicolor* 2013)

## Lanjutan lampiran 5.

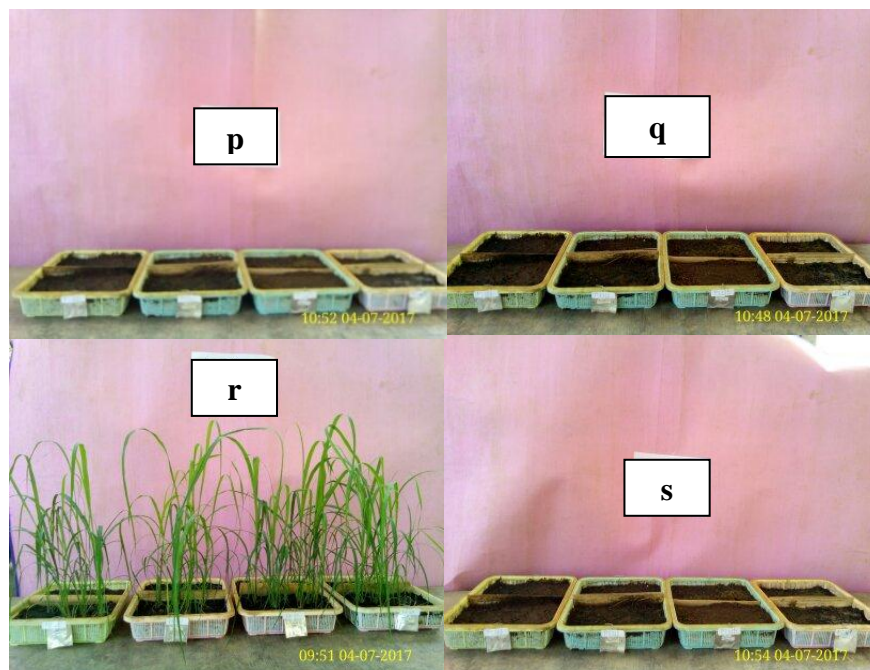


Perkecambahan benih intragenerik pada 42 HSS: e. P5 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2006); f.P6 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2007); g.P7 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2008); h.P8 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2009); i.P9 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2013); j.P10 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2014); k.P11 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2015); l.P12 (*Saccharum spp* hybrid x *Saccharum spp* hybrid 2016).

### Lanjutan lampiran 5.



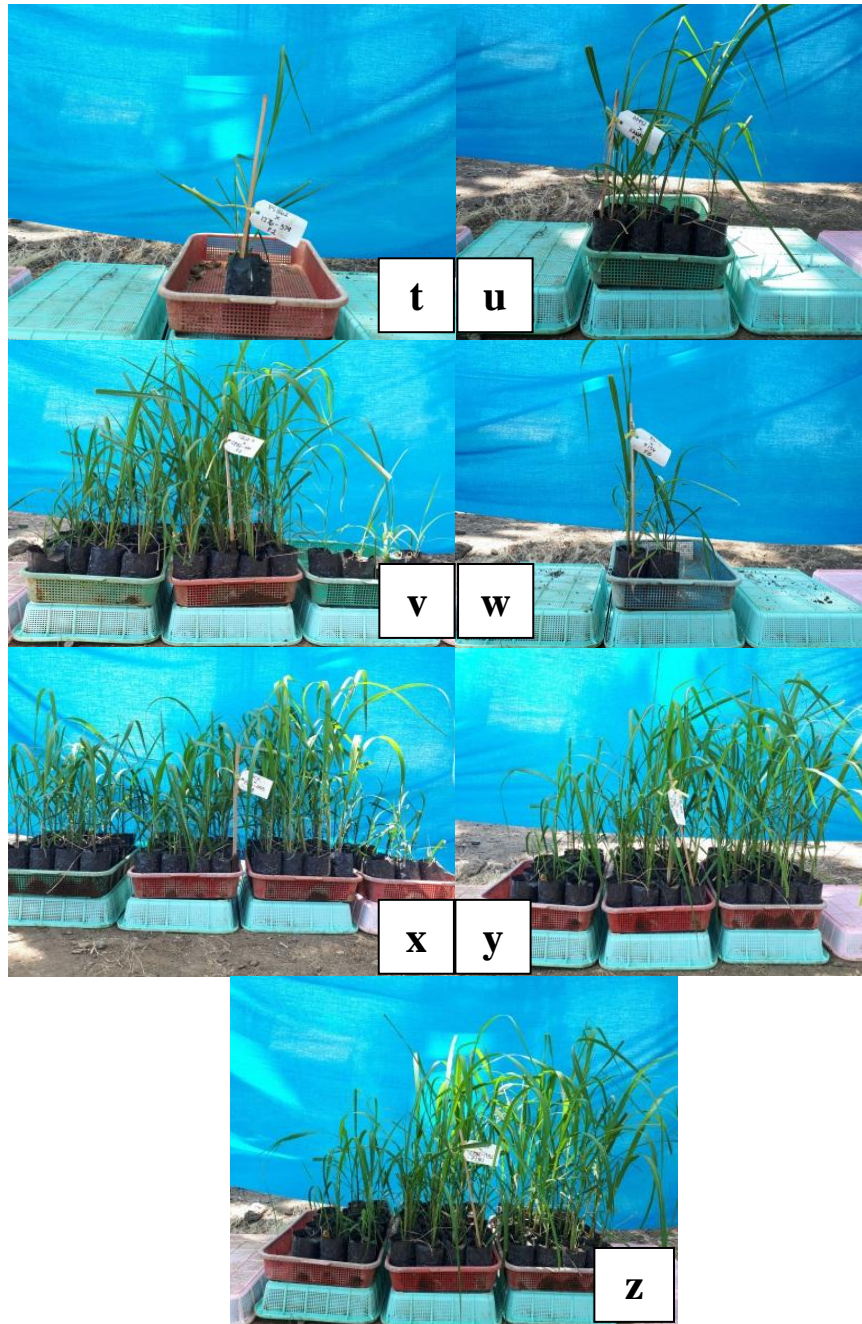
Perkecambahan benih intragenerik pada 42 HSS: m. P13 (*Saccharum spp* hybrid x *Saccharum officinarum* 2014); n.P14(*Saccharum spp* hybrid x *Saccharum officinarum*2015); o.P15 (*Saccharum spp* hybrid x *Saccharum officinarum*2016).



Perkecambahan benih intragenerik pada 42 HSS: p.P16 (*Saccharum officinarum* x *Saccharum spp* hybrid 2014); q.P17(*Saccharum officinarum* x *Saccharum spp* hybrid 2015); r.P18 (*Saccharum officinarum* x *Saccharum spp* hybrid 2016); s.P19 (*Saccharum officinarum* x *Saccharum spp* hybrid 2016)



## Lanjutan lampiran 5.



Populasi semai pada umur 45 HST  
t: P2; u: P3; v: P8; w: P10; x: P11; y: P12; z:P18