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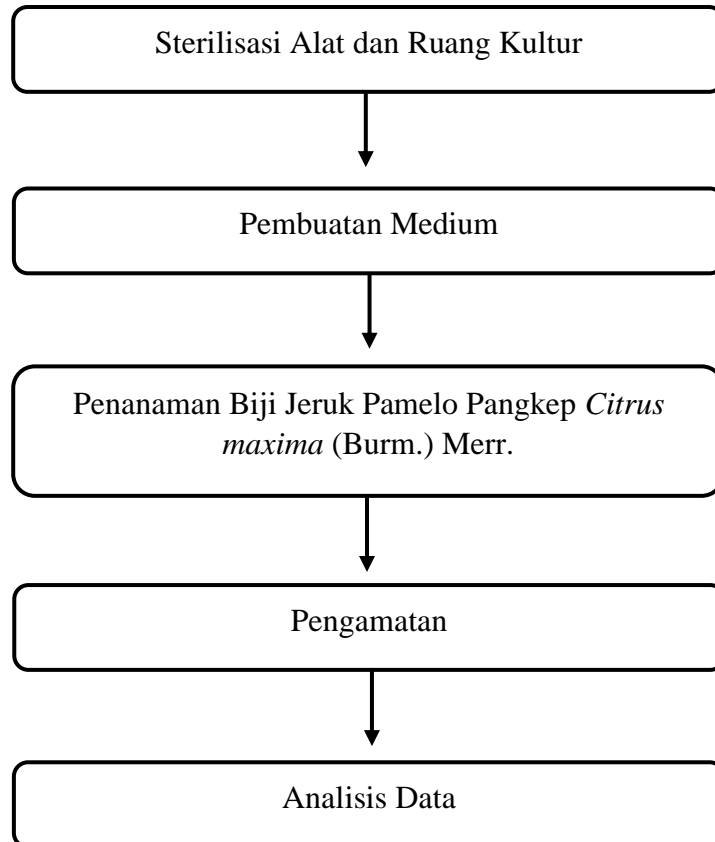
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Lampiran 1. Komposisi Media *Murashige and Skoog* (MS)

No.	Komponen	Komposisi (mg/l)
1.	NH ₄ NO ₃	1650
2.	KNO ₃	1900
3.	CaCl ₂ . 2H ₂ O	440
4.	MgSO ₄ . 7H ₂ O	370
5.	KH ₂ PO ₄	170
6.	FeSO ₄ . 7H ₂ O	27
7.	NaEDTA	37.3
8.	MnSO ₄ . 4H ₂ O	22.3
9.	MnSO ₄ . 4H ₂ O	8.6
10.	H ₃ BO ₃	6.2
11.	KI	0.83
12.	Na ₂ . MoO ₄ . 2H ₂ O	0.25
13.	CuSO ₄ . 5H ₂ O	0.025
14.	CoCl ₂ . 6H ₂ O	0.025
15.	Myoinositol	100
16.	Niasin	0.5
17.	Piridoksin-HCl	0.5
18.	Tiamin-HCl	0.1
19.	Glisin	2

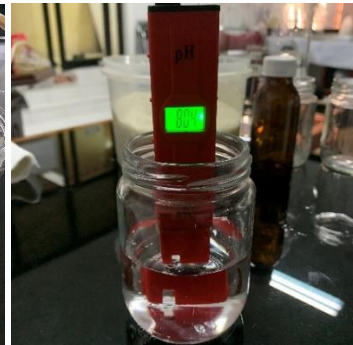
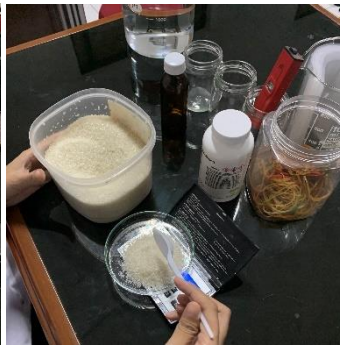
Lampiran 2. Skema Kerja Pengaruh Penambahan Hormon *Benzylaminopurine* (BAP) terhadap Perkecambahan Biji Jeruk Pamelo *Citrus Maxima* (Burm.) Merr. Asal Pangkep Secara In Vitro



Lampiran 3. Proses Pembuatan Media



Persiapan



Penimbangan dan pencampuran semua bahan

Pengukuran pH

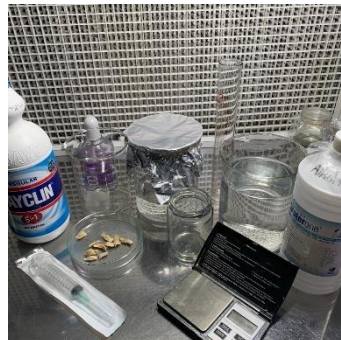


Panaskan media lalu dituang ke dalam botol kultur kemudian di tutup



Sterilisasi media

Lampiran 4. Proses Sterilisasi Biji Jeruk Pamelo Pangkep *Citrus maxima* (Burm.) Merr.



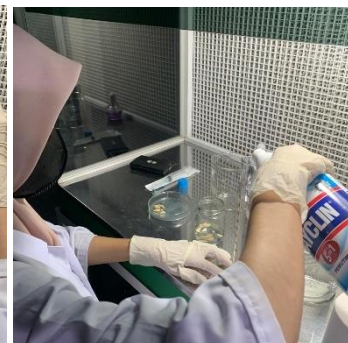
Persiapan



Pencucian eksplan



Penambahan aquades + NaOCl pada eksplan



Pengupasan kulit luar eksplan



Penambahan aquades + NaOCl pada eksplan



Penambahan alkohol kemudian pembilasan menggunakan akuades



Penirisan eksplan

Lampiran 5. Proses Penanaman Biji Jeruk Pamelop Pangkep *Citrus maxima* (Burm.) Merr.



Sterilisasi alat



Penanaman biji ke dalam media perlakuan



Penutupan media perlakuan menggunakan karet



Penutupan media perlakuan menggunakan wrap



Proses pengamatan

Lampiran 6. Hasil Data Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Putih *Citrus maxima* (Burm.) Merr.

Jumlah Akar

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	2.25	2	1.67
2 (MS+0.5)	2.67	1	1
3 (MS+1)	1	0.75	2.25
4 (MS+1.5)	1	1.33	1
5 (MS+2)	0.67	1	1
6 (MS+2.5)	0.67	0.33	0.67

Jumlah Tunas

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	0.25	1	1
2 (MS+0.5)	1	1	1
3 (MS+1)	1	0.75	1
4 (MS+1.5)	1	1	1
5 (MS+2)	0.67	1	0.67
6 (MS+2.5)	0.67	0.33	0.67

Jumlah Daun

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	1.25	3	3.33
2 (MS+0.5)	2	2.33	2
3 (MS+1)	3.25	2.25	3.25
4 (MS+1.5)	2.33	1.67	3
5 (MS+2)	1.67	2	2
6 (MS+2.5)	2.33	1.33	2.33

Lampiran 7. Hasil Uji Normalitas *Shapiro-Wilk* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Putih *Citrus maxima* (Burm.) Merr.

	Perlakuan	Statistik	df	Sig.	Keterangan
Tunas	1 (MS+0)	0.750	3	0.000	Tidak Normal
	2 (MS+0.5)		3		Tidak Normal
	3 (MS+1)	0.750	3	0.000	Tidak Normal
	4 (MS+1.5)	0.000	3	0.000	Tidak Normal
	5 (MS+2)	0.750	3	0.000	Tidak Normal
	6 (MS+2.5)	0.750	3	0.000	Tidak Normal
	Perlakuan	Statistik	df	Sig.	Keterangan
Akar	1 (MS+0)	0.994	3	0.848	Normal
	2 (MS+0.5)	0.750	3	0.000	Tidak Normal
	3 (MS+1)	0.871	3	0.298	Normal
	4 (MS+1.5)	0.750	3	0.000	Tidak Normal
	5 (MS+2)	0.750	3	0.000	Tidak Normal
	6 (MS+2.5)	0.750	3	0.000	Tidak Normal
	Perlakuan	Statistik	df	Sig.	Keterangan
Daun	1 (MS+0)	0.866	3	0.283	Normal
	2 (MS+0.5)	0.750	3	0.000	Tidak Normal
	3 (MS+1)	0.750	3	0.000	Tidak Normal
	4 (MS+1.5)	1.000	3	0.992	Normal
	5 (MS+2)	0.750	3	0.000	Tidak Normal
	6 (MS+2.5)	0.750	3	0.000	Tidak Normal

Lampiran 8. Hasil Uji Homogenitas *Levene's* Jumlah Akar, tunas dan daun Jeruk Pamelon Pangkep Putih *Citrus maxima* (Burm.) Merr.

		Levene Statistic	df1	df2	Sig.	
AKAR	Based on Mean	5,842	5	12	0,006	TIDAK HOMOGEN
	Based on Median	0,517	5	12	0,759	
	Based on Median and with adjusted df	0,517	5	4,288	0,757	
	Based on trimmed mean	4,846	5	12	0,012	
TUNAS	Based on Mean	8,694	5	12	0,001	TIDAK HOMOGEN
	Based on Median	0,543	5	12	0,740	
	Based on Median and with adjusted df	0,543	5	4,177	0,741	
	Based on trimmed mean	6,848	5	12	0,003	
DAUN	Based on Mean	3,100	5	12	0,050	HOMOGEN
	Based on Median	0,496	5	12	0,773	
	Based on Median and with adjusted df	0,496	5	6,170	0,771	
	Based on trimmed mean	2,743	5	12	0,071	

Lampiran 9. Hasil Uji *Kruskal-Wallis* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Putih *Citrus maxima* (Burm.) Merr.

	PUTIH.AKAR	PUTIH.TUNAS	PUTIH.DAUN
Kruskal-Wallis H	10,909	9,071	4,558
df	5	5	5
Asymp. Sig.	0,053	0,106	0,472

a. Kruskal Wallis Test

b. Grouping Variable: PERLAKUAN

TIDAK	TIDAK	TIDAK
BERPENGARUH	BERPENGARUH	BERPENGARUH

Lampiran 10. Hasil Data Jumlah Akar, tunas dan daun Jeruk Pamelop Pangkep Merah *Citrus maxima* (Burm.) Merr.

Jumlah Akar

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	3.33	1.67	1.33
2 (MS+0.5)	1.67	1	1
3 (MS+1)	0.33	0.33	0.67
4 (MS+1.5)	1	0.67	0.67
5 (MS+2)	0.33	0.67	0.33
6 (MS+2.5)	0	0	0.33

Jumlah Tunas

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	1	1	0.67
2 (MS+0.5)	0.67	1	1
3 (MS+1)	1	1	1
4 (MS+1.5)	1.33	1	1
5 (MS+2)	0.33	0.67	0.33
6 (MS+2.5)	0	0	0.33

Jumlah Daun

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	2.33	2.67	0.67
2 (MS+0.5)	2	1	2.5
3 (MS+1)	2	1.67	2
4 (MS+1.5)	2	2.33	2.67
5 (MS+2)	0	1.33	1
6 (MS+2.5)	0	0	1
1 (MS+0)	0	0	1

Lampiran 11. Hasil Uji Normalitas *Shapiro-Wilk* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Merah *Citrus maxima* (Burm.) Merr.

	Perlakuan	Statistik	df	Sig.	Keterangan
Tunas	1 (MS+0)	0.750	3	0.305	Tidak Normal
	2 (MS+0.5)	0.750	3	0.000	Tidak Normal
	3 (MS+1)		3		Tidak Normal
	4 (MS+1.5)	0.750	3	0.000	Tidak Normal
	5 (MS+2)	0.750	3	0.000	Tidak Normal
	6 (MS+2.5)	0.750	3	0.000	Tidak Normal
	Perlakuan	Statistik	df	Sig.	Keterangan
Akar	1 (MS+0)	0.873	3	0.305	Normal
	2 (MS+0.5)	0.750	3	0.000	Tidak Normal
	3 (MS+1)	0.750	3	0.000	Tidak Normal
	4 (MS+1.5)	0.750	3	0.000	Tidak Normal
	5 (MS+2)	0.750	3	0.000	Tidak Normal
	6 (MS+2.5)	0.750	3	0.000	Tidak Normal
	Perlakuan	Statistik	df	Sig.	Keterangan
Daun	1 (MS+0)	0.873	3	0.305	Normal
	2 (MS+0.5)	0.964	3	0.637	Normal
	3 (MS+1)	0.750	3	0.000	Tidak Normal
	4 (MS+1.5)	1.000	3	0.984	Normal
	5 (MS+2)	0.922	3	0.459	Normal
	6 (MS+2.5)	0.750	3	0.000	Tidak Normal

Lampiran 12. Hasil Uji Homogenitas *Levene's* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Merah *Citrus maxima* (Burm.) Merr.

		Test of Homogeneity of Variances				
		Levene Statisti c	df 1	df2	Sig.	
AKAR	Based on Mean	6,833	5	12	0,003	TIDAK HOMOGE N
	Based on Median	0,830	5	12	0,552	
	Based on Median and with adjusted df	0,830	5	3,68 5	0,592	
	Based on trimmed mean	5,819	5	12	0,006	
TUNA S	Based on Mean	3,202	5	12	0,046	TIDAK HOMOGE N
	Based on Median	0,200	5	12	0,956	
	Based on Median and with adjusted df	0,200	5	9,99 4	0,955	
	Based on trimmed mean	2,522	5	12	0,088	
DAUN	Based on Mean	2,442	5	12	0,095	HOMOGE N
	Based on Median	0,428	5	12	0,821	
	Based on Median and with adjusted df	0,428	5	6,80 6	0,816	
	Based on trimmed mean	2,179	5	12	0,125	

Lampiran 13. Hasil Uji *Kruskal-Wallis* Jumlah Akar, tunas dan daun Jeruk Pamelop Pangkep Merah *Citrus maxima* (Burm.) Merr.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of MERAH.AKAR is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.011	Reject the null hypothesis.
2	The distribution of MERAH.TUNAS is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.016	Reject the null hypothesis.
3	The distribution of MERAH.DAUN is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.082	Retain the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Lampiran 14. Hasil Uji Lanjut *Mann-Whitney* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Merah *Citrus maxima* (Burm.) Merr.

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of MERAH.AKAR is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.011	Reject the null hypothesis.
2	The distribution of MERAH.TUNAS is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.016	Reject the null hypothesis.

Hasil Uji *Mann-Whitney* pada Jumlah Akar

Perlakuan	Akar
2.5 PPM-1PPM	1.000
2.5 PPM-2 PPM	1.000
2.5 PPM-1.5 PPM	.921
2.5 PPM-0.5 PPM	.108
2.5 PPM-0 PPM	.018
1 PPM-2 PPM	1.000
1 PPM-1.5 PPM	1.000
1 PPM-0.5 PPM	.1.000
1 PPM-0 PPM	.291
1 PPM-1.5 PPM	1.000
2 PPM-0.5 PPM	1.000
2 PPM-0 PPM	91
1.5 PPM-0.5 PPM	1.000
1.5 PPM-0 PPM	1.000
0.5 PPM-0 PPM	1.000

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of MERAH.AKAR is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.011	Reject the null hypothesis.
2	The distribution of MERAH.TUNAS is the same across categories of PERLAKUAN.	Independent-Samples Kruskal-Wallis Test	.016	Reject the null hypothesis.

Hasil Uji *Mann-Whitney* pada Jumlah Tunas

Perlakuan	Tunas
2.5 PPM-1PPM	.129
2.5 PPM-2 PPM	1.000
2.5 PPM-1.5 PPM	.036
2.5 PPM-0.5 PPM	.491
2.5 PPM-0 PPM	.491
1 PPM-2 PPM	.730
1 PPM-1.5 PPM	1.000
1 PPM-0.5 PPM	1.000
1 PPM-0 PPM	1.000
1 PPM-1.5 PPM	.258
2 PPM-0.5 PPM	1.000
2 PPM-0 PPM	1.000
1.5 PPM-0.5 PPM	1.000
1.5 PPM-0 PPM	1.000
0.5 PPM-0 PPM	1.000

Lampiran 15. Hasil Data Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Maria Sigolla-golla *Citrus maxima* (Burm.) Merr.

Jumlah Akar

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	1,25	1,5	0,75
2 (MS+0.5)	1	2	1,33
3 (MS+1)	1,75	1	1,75
4 (MS+1.5)	1	1	1
5 (MS+2)	1	1	1
6 (MS+2.5)	1	1	1

Jumlah Tunas

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	0,75	0,75	0,5
2 (MS+0.5)	1	1	1
3 (MS+1)	1	1	1
4 (MS+1.5)	1	1	1
5 (MS+2)	1,33	3	1
6 (MS+2.5)	1,33	1	0,67

Jumlah Daun

Perlakuan	Ulangan		
	1	2	3
1 (MS+0)	1,25	1,5	0,25
2 (MS+0.5)	2	2	2
3 (MS+1)	3	3,75	2,75
4 (MS+1.5)	6,25	7,5	5
5 (MS+2)	3,33	8,67	6
6 (MS+2.5)	8	4,67	2,33

Lampiran 16. Hasil Uji Normalitas *Shapiro-Wilk* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Maria Sigolla-golla *Citrus maxima* (Burm.) Merr.

	Perlakuan	Statistik	df	Sig.	Keterangan
Tunas	1 (MS+0)	0.750		0.000	Tidak Normal
	2 (MS+0.5)				Tidak Normal
	3 (MS+1)				Tidak Normal
	4 (MS+1.5)				Tidak Normal
	5 (MS+2)	0.870		0.295	Normal
	6 (MS+2.5)	1.000		1.000	Normal
	Perlakuan	Statistik	df	Sig.	Keterangan
Akar	1 (MS+0)	0.964		0.637	Normal
	2 (MS+0.5)	0.963		0.630	Normal
	3 (MS+1)	0.750		0.000	Tidak Normal
	4 (MS+1.5)				Tidak Normal
	5 (MS+2)				Tidak Normal
	6 (MS+2.5)				Tidak Normal
	Perlakuan	Statistik	df	Sig.	Keterangan
Daun	1 (MS+0)	0.893		0.363	Normal
	2 (MS+0.5)				Tidak Normal
	3 (MS+1)	0.923		0.463	Normal
	4 (MS+1.5)	1.000		1.000	Normal
	5 (MS+2)	1.000		1.000	Normal
	6 (MS+2.5)	0.990		0.808	Normal

Lampiran 17. Hasil Uji Homogenitas *Levene's* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Maria Sigolla-golla *Citrus maxima* (Burm.) Merr.

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.	
GULA.AKAR	Based on Mean	5,720	5	12	0,006	TIDAK HOMOGEN
	Based on Median	1,196	5	12	0,368	
	Based on Median and with adjusted df	1,196	5	5,080	0,423	
	Based on trimmed mean	5,195	5	12	0,009	
GULA.TUNAS	Based on Mean	9,574	5	12	0,001	TIDAK HOMOGEN
	Based on Median	1,471	5	12	0,270	
	Based on Median and with adjusted df	1,471	5	2,296	0,433	
	Based on trimmed mean	8,429	5	12	0,001	
GULA.DAUN	Based on Mean	2,262	5	12	0,115	HOMOGEN
	Based on Median	1,801	5	12	0,187	
	Based on Median and with adjusted df	1,801	5	5,344	0,260	
	Based on trimmed mean	2,237	5	12	0,118	

Lampiran 18. Hasil Uji *Kruskal-Wallis* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Maria Sigolla-golla *Citrus maxima* (Burm.) Merr.

	GULA.AKAR	GULA.TUNAS	GULA.DAUN
Kruskal-Wallis H	6,235	10,362	13,712
df	5	5	5
Asymp. Sig.	0,284	0,066	0,018

a. Kruskal
Wallis Test

b. Grouping Variable: PERLAKUAN

TIDAK BERPENGARUH

TIDAK BERPENGARUH

BERPENGARUH

Lampiran 19. Hasil Uji Lanjut *Mann-Whitney* Jumlah Akar, tunas dan daun Jeruk Pamelo Pangkep Maria Sigolla-golla *Citrus maxima* (Burm.) Merr.

Uji Lanjut *Mann-Whitney* pada Jumlah Daun Jeruk Pamelo Pangkep Maria Sigolla-golla

Perlakuan	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Daun
0 PPM-0.5 PPM	-3.000	4.350	-.690	.490	1.000
0 PPM- 1 PPM	-7.333	4.350	-1.686	.092	1.000
0 PPM-2.5 PPM	-10.000	4.350	-2.299	.022	.323
0 PPM – 2 PPM	-12.000	4.350	-2.759	.006	.087
0 PPM-1.5 PPM	-12.667	4.350	-2.912	.004	.054
0.5 PPM-1 PPM	-4.333	4.350	-.996	.319	1.000
0.5 PPM-2.5 PPM	-7.000	4.350	-1.609	.108	1.000
0.5 PPM-2 PPM	-9.000	4.350	-2.069	.039	.578
0.5 PPM-1.5 PPM	-9.667	4.350	-2.222	.026	.394
1 PPM-2.5 PPM	-2.667	4.350	-.613	.540	1.000
1 PPM-2 PPM	-4.667	4.350	-1.073	.283	1.000
1 PPM-1.5 PPM	-5.333	4.350	-1.226	.220	1.000
2.5 PPM-2 PPM	2.000	4.350	.460	.646	1.000
2.5 PPM-1.5 PPM	2.667	4.350	.613	.540	1.000
2 PPM-1.5 PPM	.667	4.350	.153	.878	1.000

Lampiran 20. Fase Pertumbuhan Jeruk Pamelo Pangkep Putih *Citrus maxima* (Burm) Merr



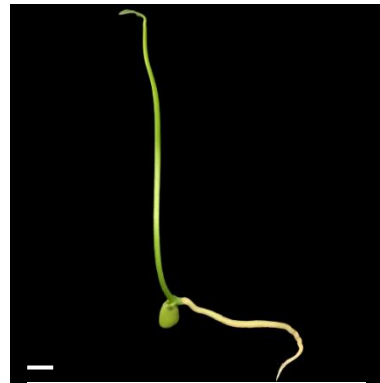
2. Biji



1. Tumbuh akar



4. Tumbuh Tunas



3. Tumbuh Daun

Lampiran 21. Fase Pertumbuhan Jeruk Pamelop Pangkep Merah *Citrus maxima* (Burm) Merr.



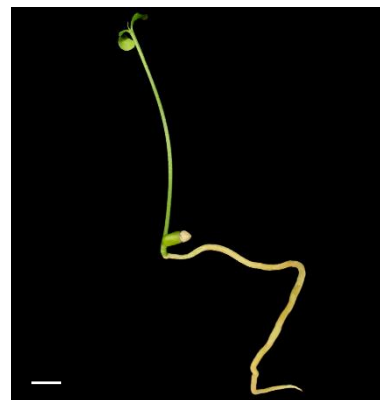
1. Biji



2. Tumbuh akar



3. Tumbuh Tunas



4. Tumbuh Daun

Lampiran 22. Fase Pertumbuhan Jeruk Pamelo Pangkep Maria Sigolla-golla
Citrus maxima (Burm) Merr



1. Biji



2. Tumbuh akar



3. Tumbuh Tunas



4. Tumbuh Daun