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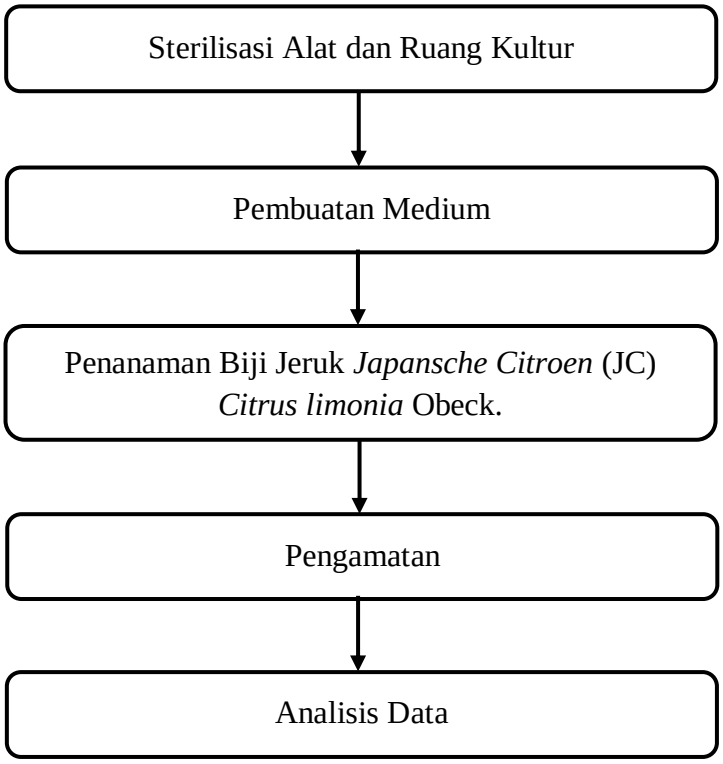
Lampiran 1. Komposisi Media *Murashige and Skoog* (MS)

No.	Komponen	Komposisi (mg/l)
1.	NH_4NO_3	1650
2.	KNO_3	1900
3.	$CaCl_2.2H_2O$	440
4.	$MgSO_4.7H_2O$	370
5.	KH_2PO_4	170
6.	$FeSO_4.7H_2O$	27
7.	NaEDTA	37.3
8.	$MnSO_4.4H_2O$	22.3
9.	$MnSO_4.4H_2O$	8.6
10.	H_3BO_3	6.2
11.	Kl	0.83
12.	$Na_2.MoO_4.2H_2O$	0.25
13.	$CuSO_4.5H_2O$	0.025
14.	$CoCl_2.6H_2O$	0.025
15.	Myoinositol	100
16.	Niasin	0.5
17.	Piridoksin-HCl	0.5
18.	Tiamin-HCl	0.1
19.	Glisin	2

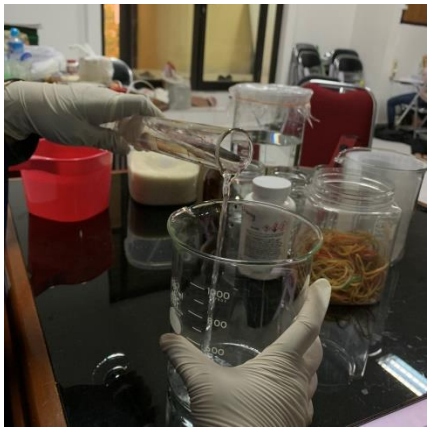
Lampiran 2. Skema Kerja Induksi Tunas Jeruk *Japansche Citroen* (Jc) *Citrus Limonia* Osbeck. pada Berbagai Konsentrasi Hormon *Benzylaminopurine* (BAP) secara *In Vitro.*



Lampiran 3. Proses Pembuatan Media

Persiapan

Penimbangan bahan



Pencampuran semua bahan

Pengukuran pH larutan media

Pelarutan media hingga mendidih

Penuangan media ke botol kultur

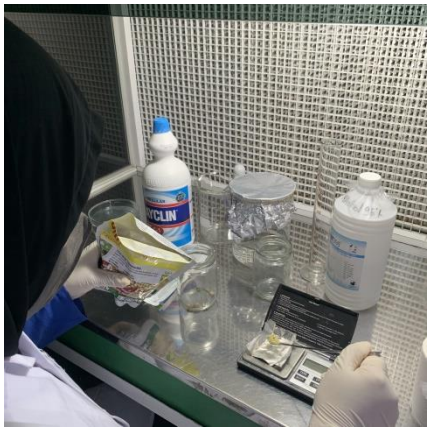
Perekatan tutup media

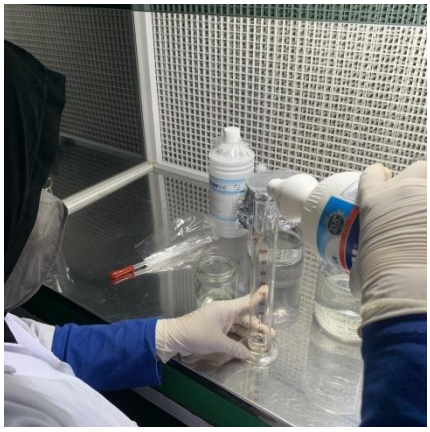
Sterilisasi media pada otoklaf

Lampiran 4. Proses Sterilisasi dan Penanaman Biji Jeruk JC pada Media Tanam

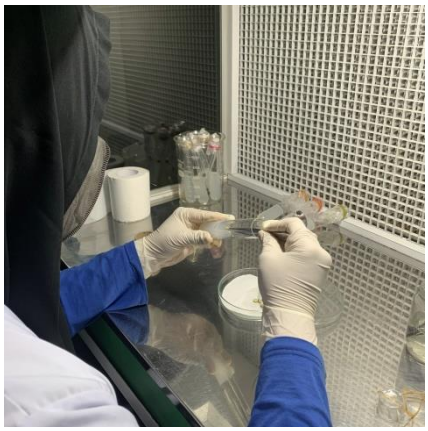
Pembilasan biji

Pengupasan biji





Pengukuran dan penambahan bahan sterilan



Penanaman biji

Pengamatan

Lampiran 5. Data Pertumbuhan Jeruk JC

a. Akar

Jumlah Akar
Minggu I

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	1	0	1	1	1
0.5 ppm	1	1	1	0	0
1 ppm	1	0	1	1	1
1.5 ppm	1	0	0	1	1
2 ppm	1	0	1	1	1
2.5 ppm	0	0	0	0	0

Jumlah Akar
Minggu II

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	1	1	1	1	1
0.5 ppm	1	2	1	2	1
1 ppm	1	2	1	1	1
1.5 ppm	1	1	2	1	2
2 ppm	2	2	2	1	1
2.5 ppm	0	0	0	0	0

Jumlah Akar
Minggu III

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	1	1	1	1	1
0.5 ppm	1	2	2	2	1
1 ppm	1	2	1	1	2
1.5 ppm	1	1	2	1	2
2 ppm	2	2	2	1	1
2.5 ppm	0	0	0	0	0

Jumlah Akar
Minggu IV

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	2	1	1	1	2
0.5 ppm	2	2	2	3	1
1 ppm	1	2	1	1	2
1.5 ppm	1	1	2	1	2
2 ppm	2	2	2	1	1
2.5 ppm	1	1	1	1	1

b. Tunas

Jumlah Tunas
Minggu I

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	0	0	0	0	0
0.5 ppm	0	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	0	0	0	0	0
2.5 ppm	0	0	0	0	0

Jumlah Tunas
Minggu II

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	1	1	1	0	0
0.5 ppm	0	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	0	0	0	0	0
2.5 ppm	0	0	0	0	0

Jumlah Tunas
Minggu III

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	1	1	1	1	1
0.5 ppm	1	0	0	0	0
1 ppm	0	1	1	1	1
1.5 ppm	1	1	1	1	1
2 ppm	1	1	1	1	1
2.5 ppm	0	0	0	0	0

Jumlah Tunas
Minggu IV

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	1	1	1	1	1
0.5 ppm	1	1	1	1	0
1 ppm	1	2	1	2	1
1.5 ppm	1	1	1	1	1
2 ppm	1	4	3	3	4
2.5 ppm	0	0	0	0	0

c. Batang

Panjang Batang
Minggu I

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	0	0	0	0	0
0.5 ppm	0	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	0	0	0	0	0
2.5 ppm	0	0	0	0	0

Panjang Batang
Minggu II

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	2.2	2.5	0	0	0
0.5 ppm	0	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	0	0	0	0	0
2.5 ppm	0	0	0	0	0

Panjang Batang
Minggu III

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	4.4	3.8	2.3	2.1	2.2
0.5 ppm	1.7	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	2	0.2	0.3	1	1
2.5 ppm	0	0	0	0	0

Panjang Batang
Minggu IV

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	6.2	5.9	5	4.5	5
0.5 ppm	3	1.9	1.5	1.4	1.1
1 ppm	1.6	2.2	1.7	2.3	1.5
1.5 ppm	1.8	2.4	1.7	2	1.6
2 ppm	4.3	1.3	2.2	2.1	2.3
2.5 ppm	0	0	0	0	0

d. Daun

Jumlah Daun
Minggu I

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	0	0	0	0	0
0.5 ppm	0	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	0	0	0	0	0
2.5 ppm	0	0	0	0	0

Jumlah Daun
Minggu II

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	2	2	0	0	0
0.5 ppm	0	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	0	0	0	0	0
2.5 ppm	0	0	0	0	0

Jumlah Daun
Minggu III

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	2	2	2	2	2
0.5 ppm	2	0	0	0	0
1 ppm	0	0	0	0	0
1.5 ppm	0	0	0	0	0
2 ppm	2	2	0	0	2
2.5 ppm	0	0	0	0	0

Jumlah Daun
Minggu IV

Perlakuan	Ulangan				
	1	2	3	4	5
0 ppm	2	2	2	2	2
0.5 ppm	2	2	2	2	2
1 ppm	2	2	2	2	2
1.5 ppm	2	2	2	2	2
2 ppm	2	5	3	4	2
2.5 ppm	0	0	0	0	0

Lampiran 6. Hasil Uji Normalitas *Kolmogorov-Smirnov* Jumlah Akar, Jumlah Tunas, Panjang Batang dan Jumlah Daun Jeruk JC

	Perlakuan	**Hasil K-S**	**Tabel K-S**	**Ket**
Jumlah Akar	0 ppm	0.367	0.565	Normal
	0.5 ppm	0.3	0.565	Normal
	1 ppm	0.367	0.565	Normal
	1.5 ppm	0.367	0.565	Normal
	2 ppm	0.367	0.565	Normal
	2.5 ppm	0	0.565	Normal
Jumlah Tunas	0 ppm	0	0.565	Normal
	0.5 ppm	0.473	0.565	Normal
	1 ppm	0.367	0.565	Normal
	1.5 ppm	0	0.565	Normal
	2 ppm	0.3	0.565	Normal
	2.5 ppm	0	0.565	Normal
Panjang Batang	0 ppm	0.275	0.565	Normal
	0.5 ppm	0.248	0.565	Normal
	1 ppm	0.27	0.565	Normal
	1.5 ppm	0.224	0.565	Normal
	2 ppm	0.25	0.565	Normal
	2.5 ppm	0	0.565	Normal
Jumlah Daun	0 ppm	0	0.565	Normal
	0.5 ppm	0	0.565	Normal
	1 ppm	0	0.565	Normal
	1.5 ppm	0	0.565	Normal
	2 ppm	0.221	0.565	Normal
	2.5 ppm	0	0.565	Normal

Lampiran 7. Hasil Uji Homogenitas Jumlah Akar, Jumlah Tunas, Panjang Batang dan Jumlah Daun Jeruk JC

		Levene Statistic	df1	df2	Sig.	
Akar	Based on Mean	3.182	5	24	0.024	Tidak Homogen
	Based on Median	0.533	5	24	0.749	
	Based on Median and with adjusted df	0.533	5	20.000	0.749	
	Based on trimmed mean	3.054	5	24	0.028	

		Levene Statistic	df1	df2	Sig.	
Tunas	Based on Mean	4.180	5	24	0.007	Tidak Homogen
	Based on Median	2.567	5	24	0.054	
	Based on Median and with adjusted df	2.567	5	9.290	0.101	
	Based on trimmed mean	4.244	5	24	0.007	

		Levene Statistic	df1	df2	Sig.	
Batang	Based on Mean	2.588	5	24	0.052	Homogen
	Based on Median	1.053	5	24	0.410	
	Based on Median and with adjusted df	1.053	5	11.416	0.434	
	Based on trimmed mean	2.308	5	24	0.076	

		Levene Statistic	df1	df2	Sig.	
Daun	Based on Mean	15.540	5	24	0.000	Tidak Homogen
	Based on Median	10.000	5	24	0.000	
	Based on Median and with adjusted df	10.000	5	4.000	0.022	
	Based on trimmed mean	14.561	5	24	0.000	

Lampiran 8. Hasil Uji *Kruskal-Wallis* Jumlah Tunas, Daun dan Akar Jeruk JC

Test Statistics[a,b]

	Tunas
Kruskal-Wallis H	23.012
df	5
Asymp. Sig.	0.000

a. Kruskal Wallis Test

b. Grouping Variable: Konsentrasi

	Daun
Kruskal-Wallis H	24.935
df	5
Asymp. Sig.	0.000

a. Kruskal Wallis Test

b. Grouping Variable: Konsentrasi

	Akar
Kruskal-Wallis H	7.651
df	5
Asymp. Sig.	0.177

a. Kruskal Wallis Test

b. Grouping Variable: Konsentrasi

Lampiran 9. Hasil Uji *Analysis of Variance* Panjang Batang Jeruk JC

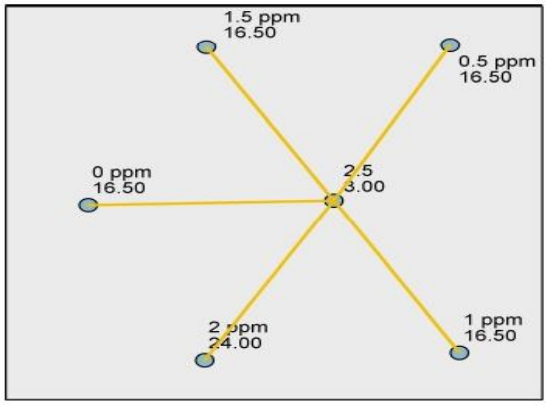
ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	75.06166667	5	15.01233333	35.814712	2.26439E-10	2.62065415
Within Groups	10.06	24	0.419166667			
Total	85.12166667	29				

Lampiran 10. Hasil Uji Lanjut Junlah Tunas, Jumalh Daun dan Panjang BatangJeruk JC

a. Uji *Mann Whitney* Tunas

Pairwise Comparisons of Konsentrasi

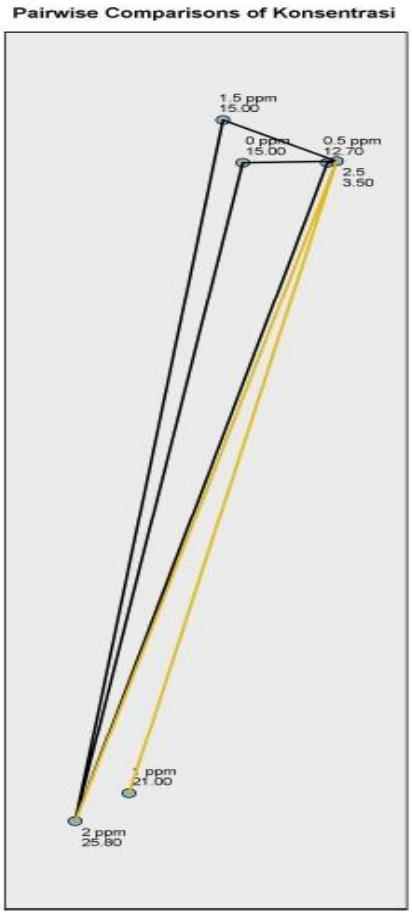


Each node shows the sample average rank of Konsentrasi.

Sample1-Sample2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj.Sig.
2.5-0 ppm	13.500	4.318	3.126	.002	.027
2.5-0.5 ppm	13.500	4.318	3.126	.002	.027
2.5-1 ppm	13.500	4.318	3.126	.002	.027
2.5-1.5 ppm	13.500	4.318	3.126	.002	.027
2.5-2 ppm	21.000	4.318	4.863	.000	.000
0 ppm-0.5 ppm	.000	4.318	.000	1.000	1.000
0 ppm-1 ppm	.000	4.318	.000	1.000	1.000
0 ppm-1.5 ppm	.000	4.318	.000	1.000	1.000
0 ppm-2 ppm	-7.500	4.318	-1.737	.082	1.000
0.5 ppm-1 ppm	.000	4.318	.000	1.000	1.000
0.5 ppm-1.5 ppm	.000	4.318	.000	1.000	1.000
0.5 ppm-2 ppm	-7.500	4.318	-1.737	.082	1.000
1 ppm-1.5 ppm	.000	4.318	.000	1.000	1.000
1 ppm-2 ppm	-7.500	4.318	-1.737	.082	1.000
1.5 ppm-2 ppm	-7.500	4.318	-1.737	.082	1.000

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.
Asymptotic significances (2-sided tests) are displayed. The significance level is .05.
Significance values have been adjusted by the Bonferroni correction for multiple tests.

b. Uji *Mann Whitney* Daun



Each node shows the sample average rank of Konsentrasi.

Sample1-Sample2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj.Sig.
2.5-0.5 ppm	9.200	5.009	1.837	.066	.994
2.5-0 ppm	11.500	5.009	2.296	.022	.325
2.5-1.5 ppm	11.500	5.009	2.296	.022	.325
2.5-1 ppm	17.500	5.009	3.494	.000	.007
2.5-2 ppm	22.300	5.009	4.452	.000	.000
0.5 ppm-0 ppm	2.300	5.009	.459	.646	1.000
0.5 ppm-1.5 ppm	-2.300	5.009	-.459	.646	1.000
0.5 ppm-1 ppm	-8.300	5.009	-1.657	.098	1.000
0.5 ppm-2 ppm	-13.100	5.009	-2.615	.009	.134
0 ppm-1.5 ppm	.000	5.009	.000	1.000	1.000
0 ppm-1 ppm	-6.000	5.009	-1.198	.231	1.000
0 ppm-2 ppm	-10.800	5.009	-2.156	.031	.466
1.5 ppm-1 ppm	6.000	5.009	1.198	.231	1.000
1.5 ppm-2 ppm	-10.800	5.009	-2.156	.031	.466
1 ppm-2 ppm	-4.800	5.009	-.958	.338	1.000

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.
Asymptotic significances (2-sided tests) are displayed. The significance level is .05.
Significance values have been adjusted by the Bonferroni correction for multiple tests.

c. Uji *Duncan Multiple Range Test* (DMRT) Batang

Nilai

Duncan[a]

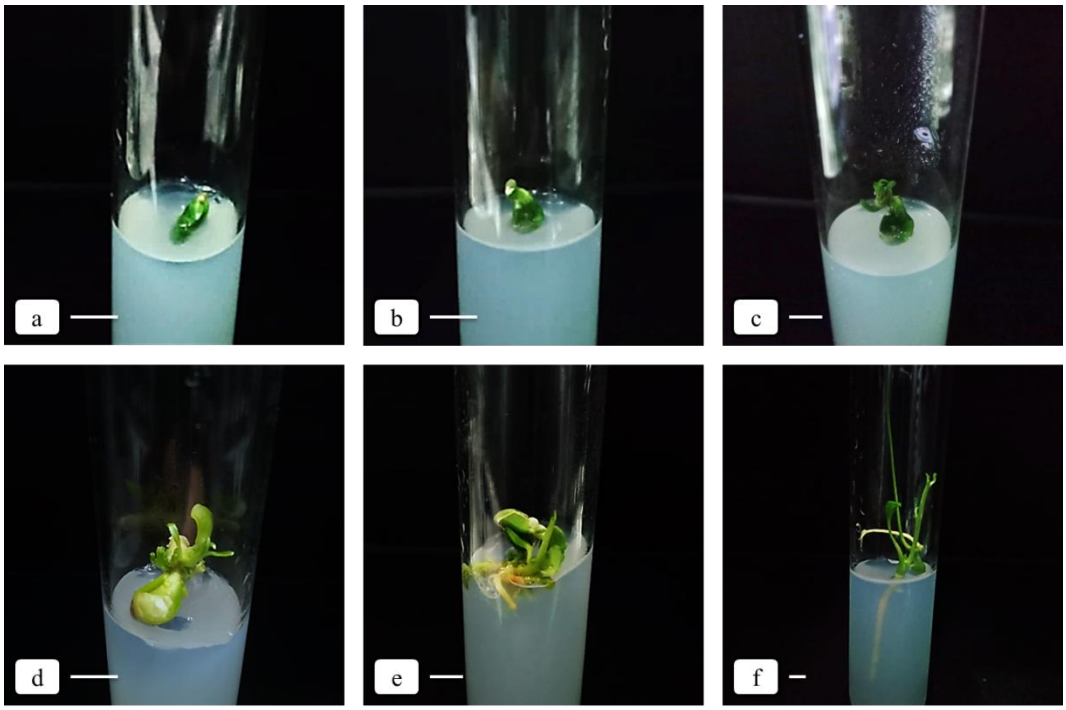
Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
2.50	5	0.0000		
.50	5		1.7800	
1.00	5		1.8600	
1.50	5		1.9000	
2.00	5		2.4400	
.00	5			5.3200
Sig.		1.000	0.152	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Lampiran 11. Fase Pertumbuhan Jeruk JC

a. Pada Media BAP 2 ppm



b. Pada Media Kontrol (MS0)