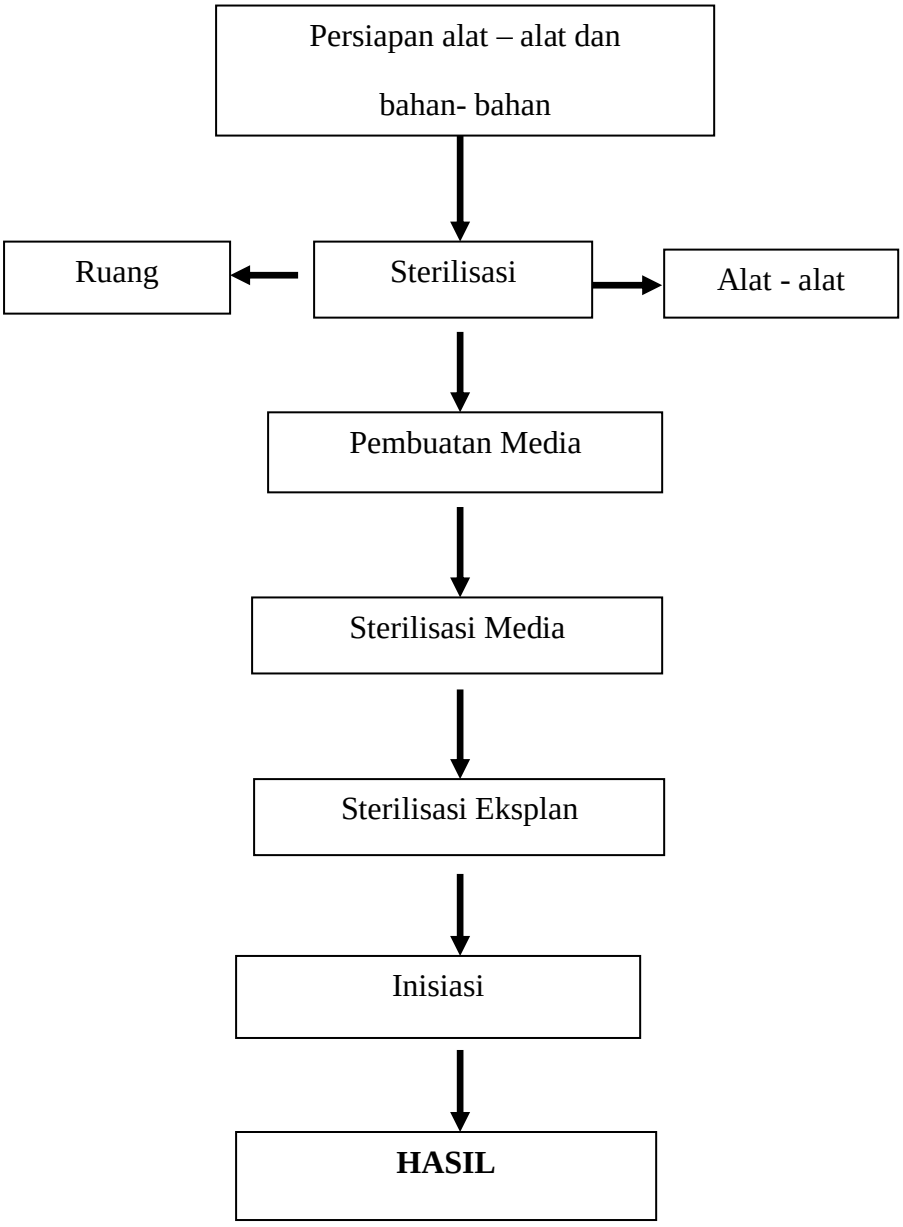
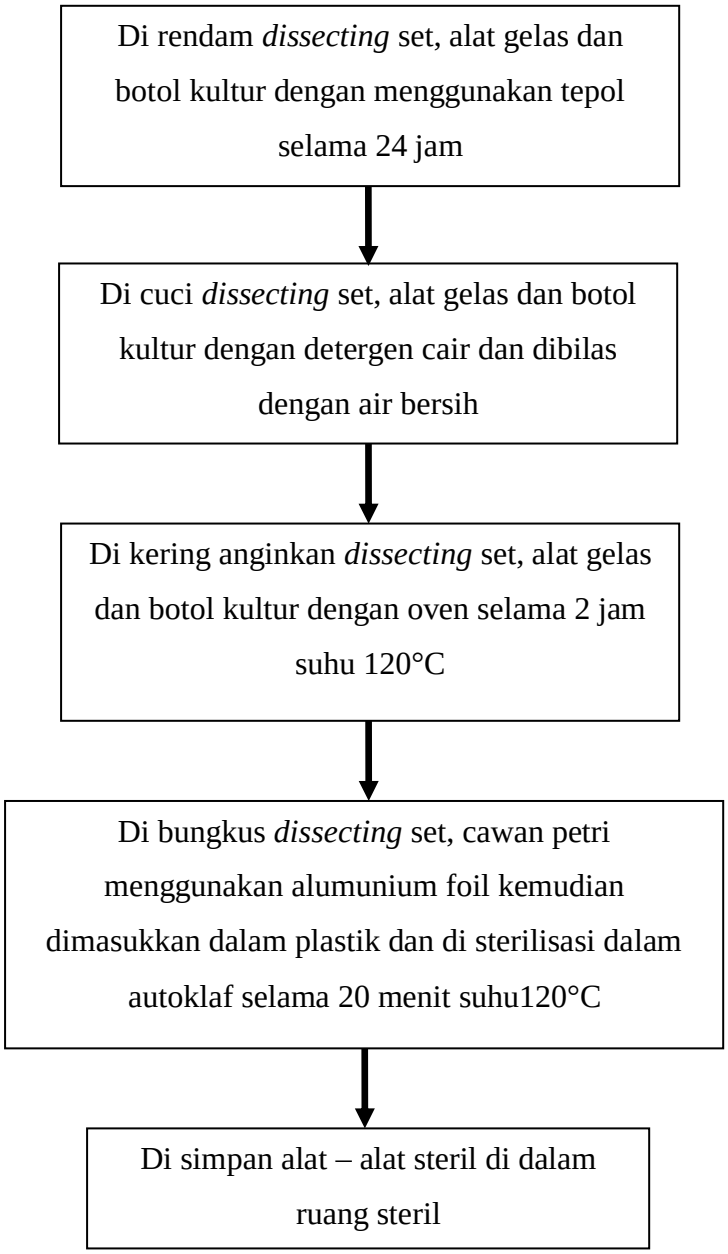
LAMPIRAN

Lampiran 1. Skema kerja penelitian

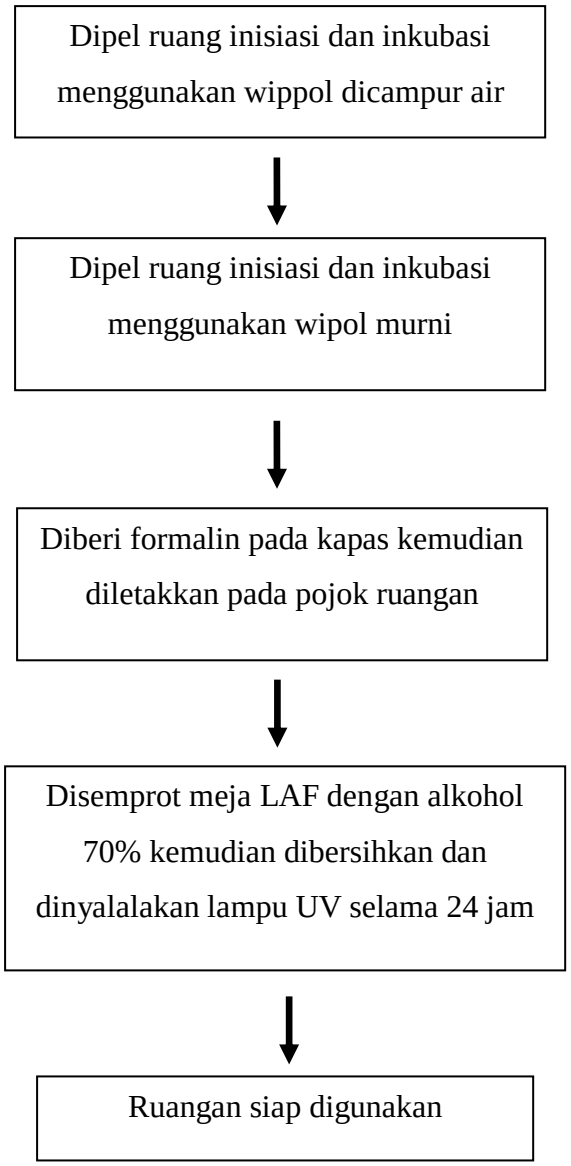


Lampiran 2. Skema Kerja Tahapan Sterilisasi

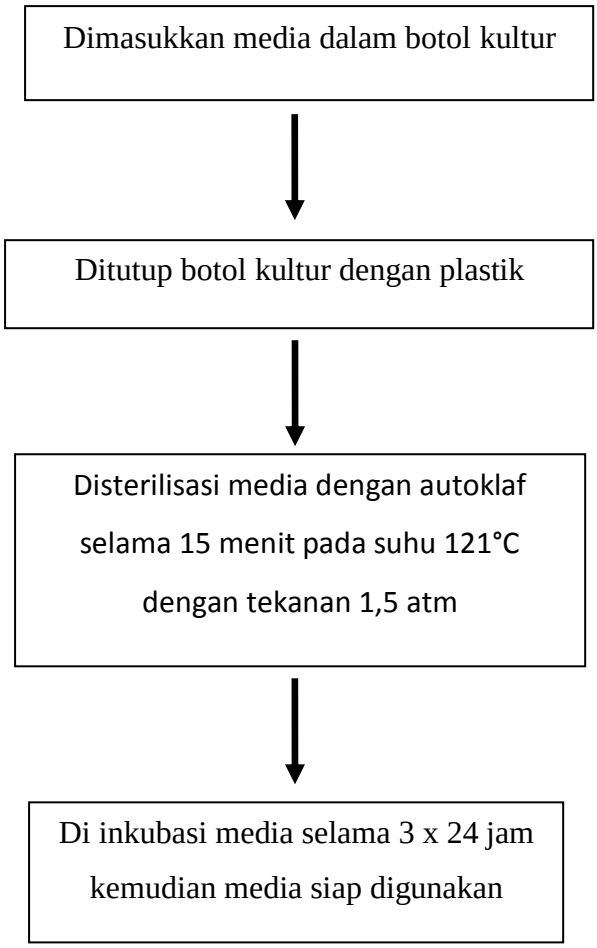
1. Sterilisasi Alat



2. Sterilisasi Ruang Tanam



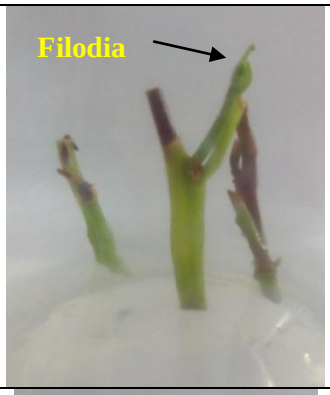
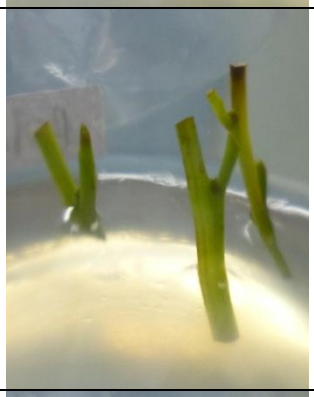
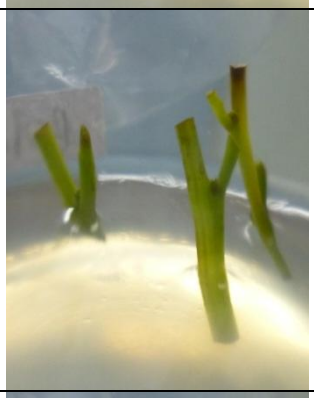
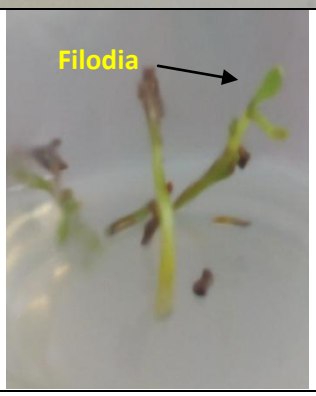
3. Sterilisasi Media

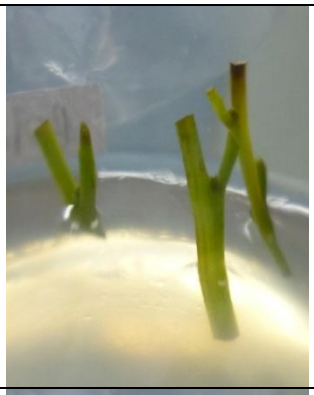
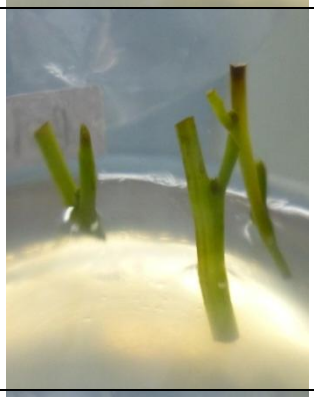
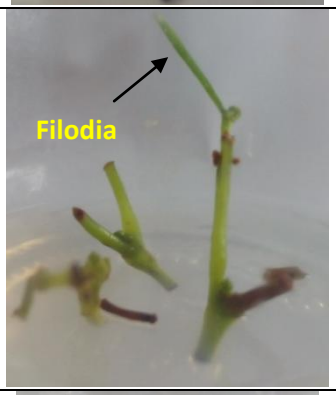
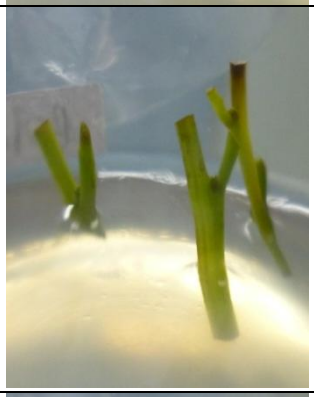
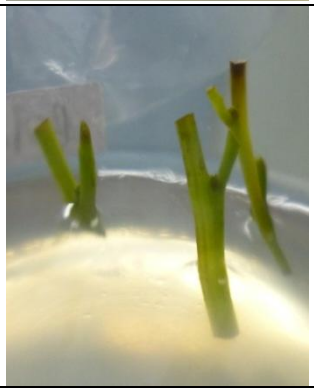


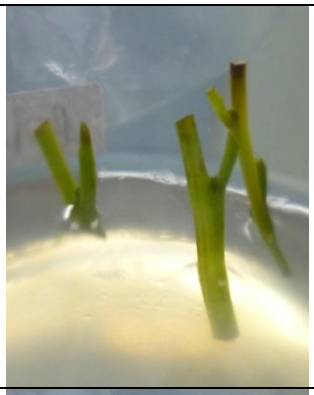
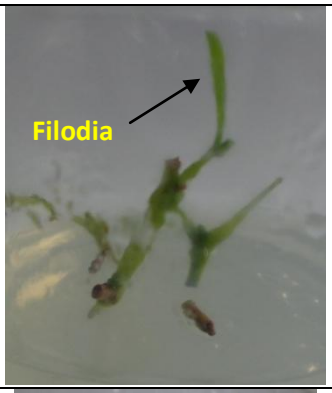
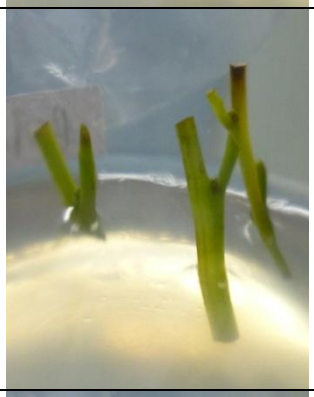
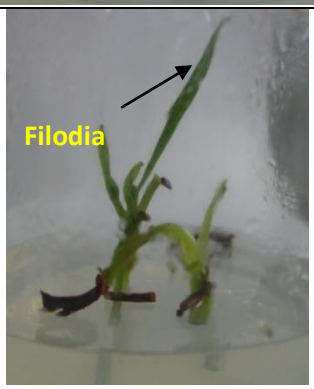
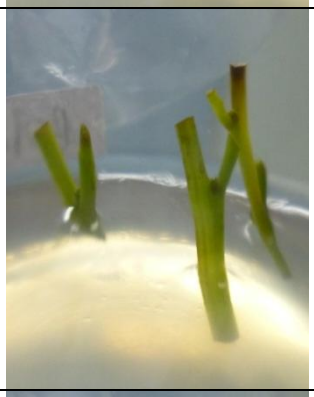
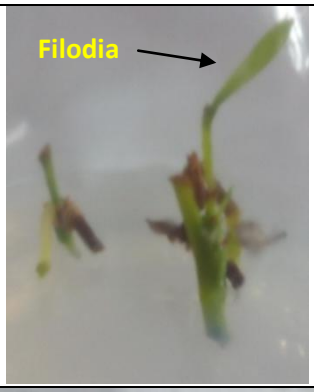
Lampiran 3. Komposisi Media MS

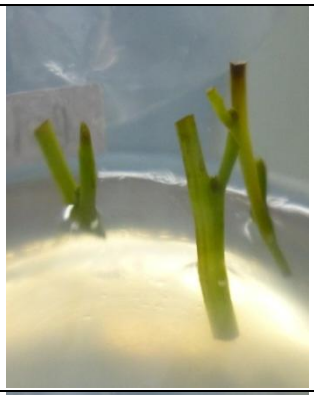
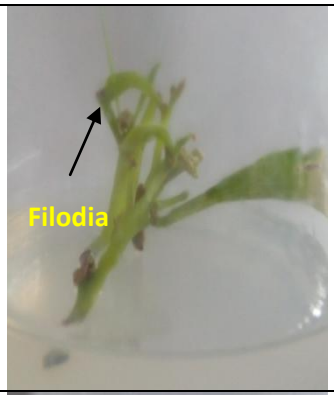
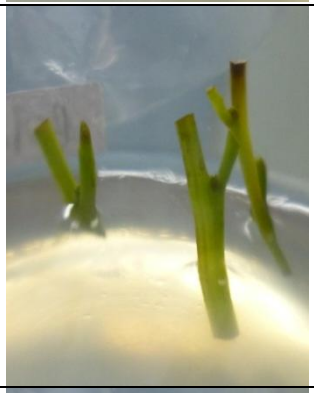
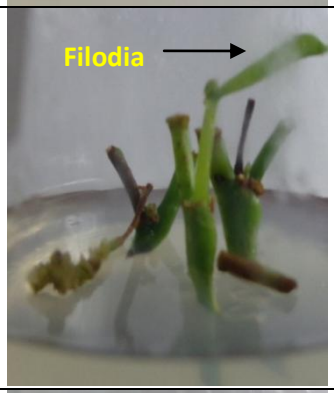
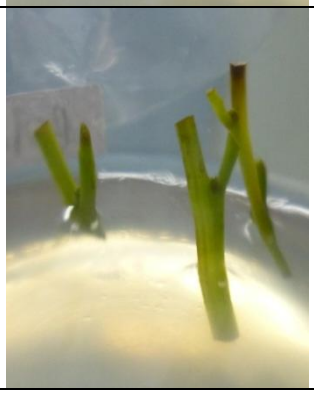
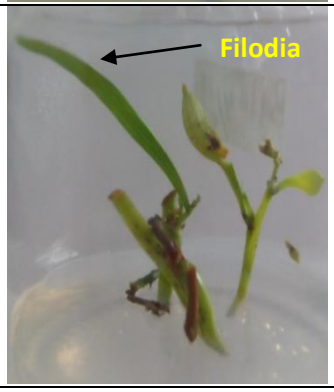
No.	Bahan Kimia	Komposisi (mg/l)	Komposisi (mg/50 ml)	Komposisi (mg/100 ml)
1.	NH_4NO_3	1650	8.25	16.5
2.	KNO_3	1900	9.5	19
3.	$CaCl_3$	440	2.2	4.4
4.	$MgSO_4$	370	1.85	3.7
5.	KH_2PO_4	170	0.895	1.78
6.	$FeSO_{47}H_2O$	27.8	0.139	0.278
7.	Na_2 EDTA	37.3	0.1865	1.373
8.	$MnSO_{44}$ H_2O	22.3	0.1115	0.223
9.	$ZnSO_{47}$ H_2O	8.6	0.043	0.086
10.	H_3BO_3	6.2	0.031	0.062
11.	Kl	0.83	0.00415	0.0083
12.	$Na_2MO_{42}H_2O$	0.25	0.00125	0.0025
13.	$CuSO_4H_2O$	0.025	0.000125	0.00025
14.	$CoC_{126}H_2O$	0.025	0.000125	0.00025
15.	Myoinositol	100	0.5	1
16	Niacin	0.5	0.0025	0.005
17.	Pyrodoxin-HCl	0.5	0.0025	0.005
18.	Thiamin-HCl	0.5	0.0025	0.005
19.	Glycine	2.0	0.01	0.02
20.	Sucrose	3000	15	30

Lampiran 4. Gambar Hasil Penelitian

Konsentrasi	Awal	Akhir
B0I0		
B0I1		
B0I2		
B1I0		

B1I1		
B1I2		
B2I0		
B2I1		

B2I2		
B3I0		
B3I1		
B3I2		

B4I0		
B4I1		
B4I2		

Lampiran 5. Data Hasil Pengamatan

1. Data Waktu Munculnya Tunas Akasia (*Acacia mangium*)

No	Perlakuan	Ulangan			Rata-rata
		1	2	3	
1	B0I0	12	12	0	8
2	B0I1	10	11	0	7
3	B0I2	8	8	7	7.666667
4	B1I0	7	8	8	7.666667
5	B1I1	10	10	0	6.666667
6	B1I2	9	0	10	6.333333
7	B2I0	9	0	10	6.333333
8	B2I1	8	7	7	7.333333
9	B2I2	9	10	0	6.333333
10	B3I0	10	9	0	6.333333
11	B3I1	7	8	7	7.333333
12	B3I2	8	7	7	7.333333
13	B4I0	7	7	6	6.666667
14	B4I1	6	6	5	5.666667
15	B4I2	7	7	6	6.666667

2. Data Persentase Eksplan Bertunas

No.	**Perlakuan**	**Ulangan**			**Rata-rata**
		1	**2**	**3**	
1	B0I0	33.3333	33.3333	0	22.2222
2	B0I1	33.3333	33.3333	0	22.2222
3	B0I2	33.3333	33.3333	33.3333	33.3333
4	B1I0	33.3333	33.3333	9	25.2222
5	B1I1	66.6667	33.3333	0	33.33333
6	B1I2	66.6667	0	66.6667	44.44447
7	B2I0	66.6667	0	66.6667	44.44447
8	B2I1	66.6667	33.3333	33.3333	44.44443
9	B2I2	66.6667	100	0	55.55557
10	B3I0	100	66.6667	0	55.55557
11	B3I1	66.6667	66.6667	66.6667	66.6667
12	B3I2	66.6667	100	100	88.8889
13	B4I0	100	66.6667	66.6667	77.7778
14	B4I1	66.6667	66.6667	100	77.7778
15	B4I2	100	66.6667	33.3333	66.66667

3. Tabel Pengamatan Panjang Tunas Akasia (*Acacia mangium*)

No.	Perlakuan	Ulangan			Rata-rata
		1	2	3	
1	B0I0	1.7	1.6	1.5	1.6
2	B0I1	1.8	1.5	1.7	1.666666667
3	B0I2	2	1.6	1.7	1.766666667
4	B1I0	1.8	1.7	1.9	1.8
5	B1I1	1.9	2.1	1.7	1.9
6	B1I2	1.7	1.8	1.6	1.7
7	B2I0	1.8	1.5	1.6	1.633333333
8	B2I1	1.8	2.6	1.8	2.066666667
9	B2I2	2	1.6	1.8	1.8
10	B3I0	2.6	2.3	2.5	2.466666667
11	B3I1	2.7	2	1.5	2.066666667
12	B3I2	2	2.5	1.9	2.133333333
13	B4I0	2	1.9	2.3	2.066666667
14	B4I1	2.3	1.7	1.5	1.833333333
15	B4I2	2.5	1.6	1.5	1.866666667

4. Tabel Pengamatan Jumlah Tunas Akasia (*Acacia mangium*)

No.	Perlakuan	Ulangan			Rata-rata
		1	2	3	
1	B0I0	1	1	0	0.66666667
2	B0I1	1	0	2	1
3	B0I2	1	1	2	1.33333333
4	B1I0	1	2	1	1.33333333
5	B1I1	1	2	1	1.33333333
6	B1I2	2	0	2	1.33333333
7	B2I0	1	1	2	1.33333333
8	B2I1	2	2	1	1.66666667
9	B2I2	2	2	2	2
10	B3I0	2	1	2	1.66666667
11	B3I1	2	3	2	2.33333333
12	B3I2	3	3	1	2.33333333
13	B4I0	3	2	2	2.33333333
14	B4I1	3	3	3	3
15	B4I2	2	3	2	2.33333333

5. Tabel Pengamatan Jumlah Filodia Akasia (*Acacia mangium*)

No.	Perlakuan	Ulangan			Rata-rata
		1	2	3	
1	B0I0	0	0	0	0
2	B0I1	0	0	0	0
3	B0I2	1	0	0	0.33333333
4	B1I0	0	1	0	0.33333333
5	B1I1	1	0	0	0.33333333
6	B1I2	1	4	0	1.66666667
7	B2I0	1	0	0	0.33333333
8	B2I1	1	0	0	0.33333333
9	B2I2	2	1	1	1.33333333
10	B3I0	1	3	0	1.33333333
11	B3I1	4	2	3	3
12	B3I2	4	3	0	2.33333333
13	B4I0	3	4	0	2.33333333
14	B4I1	1	2	0	1
15	B4I2	1	0	1	0.66666667

Lampiran 6. Analisis Data Perhitungan ANOVA

1. Hasil ANOVA Pengaruh BAP dan IBA terhadap Waktu Munculnya Tunas

Tests of Between-Subjects Effects

Dependent Variable:Data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	2254.978[a]	17	132.646	9.697	.000
KonsentrasiBAP	7.333	4	1.833	.134	.968
KonsentrasiIBA	.311	2	.156	.011	.989
Ulangan	101.644	2	50.822	3.715	.037
KonsentrasiBAP * KonsentrasiIBA	10.133	8	1.267	.093	.999
Error	383.022	28	13.679		
Total	2638.000	45			

a. R Squared = .855 (Adjusted R Squared = .767)

2. Hasil ANOVA Pengaruh BAP dan IBA terhadap Persentase Eksplan Bertunas

Tests of Between-Subjects Effects

Dependent Variable:Data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	139660.767[a]	17	8215.339	11.265	.000
KonsentrasiBAP	16391.915	4	4097.979	5.619	.002
KonsentrasiIBA	1279.649	2	639.825	.877	.427
Ulangan	5159.652	2	2579.826	3.537	.043
KonsentrasiBAP * KonsentrasiIBA	1748.230	8	218.529	.300	.960
Error	20420.280	28	729.296		
Total	160081.047	45			

a. R Squared = .872 (Adjusted R Squared = .795)

3. Hasil Uji DMRT 5 % Pengaruh BAP terhadap Persentase Eksplan Bertunas

		Subset	
KonsentrasiBAP	N	1	2
1	9	25.9259	

2	9	34.3333	
3	9	48.1482	48.1482
4	9		70.3704
5	9		74.0741
Sig.		.109	.063

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 729.296.

4. Hasil ANOVA Pengaruh BAP dan IBA terhadap Panjang Tunas Akasia

Tests of Between-Subjects Effects

Dependent Variable:Data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	163.777[a]	17	9.634	118.682	.000
KonsentrasiBAP	1.510	4	.377	4.650	.005
KonsentrasiIBA	.032	2	.016	.200	.820
KonsentrasiBAP * KonsentrasiIBA	.728	8	.091	1.120	.380
Ulangan	.574	2	.287	3.534	.043
Error	2.273	28	.081		
Total	166.050	45			

a. R Squared = .986 (Adjusted R Squared = .978)

5. Hasil Uji DMRT 5 % Pengaruh BAP terhadap Panjang Tunas Akasia

		Subset	
KonsentrasiBAP	N	1	2
1	9	1.678	
2	9	1.800	
3	9	1.833	
5	9	1.922	
4	9		2.222
Sig.		.106	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.The error term is Mean Square(Error) = .081.

6. Hasil ANOVA Pengaruh BAP dan IBA terhadap Jumlah Tunas Akasia

Tests of Between-Subjects Effects

Dependent Variable:Data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	152.133[a]	17	8.949	18.070	.000
KonsentrasiBAP	13.689	4	3.422	6.910	.001
KonsentrasiIBA	1.600	2	.800	1.615	.217
Ulangan	.133	2	.067	.135	.875
KonsentrasiBAP * KonsentrasiIBA	1.511	8	.189	.381	.921
Error	13.867	28	.495		
Total	166.000	45			

a. R Squared = .916 (Adjusted R Squared = .866)

7. Hasil Uji DMRT 5 % Pengaruh BAP terhadap Jumlah Tunas Akasia

KonsentrasiBAP	N	Subset 1	Subset 2	Subset 3
1	9	1.00		
2	9	1.33		
3	9	1.67	1.67	
4	9		2.11	2.11
5	9			2.56
Sig.		.066	.191	.191

Means for groups in homogeneous subsets are displayed.

Based on observed means.The error term is Mean Square(Error) = .495.

8. Hasil ANOVA Pengaruh BAP dan IBA terhadap Jumlah Filodia Akasia

Tests of Between-Subjects Effects

Dependent Variable:Data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	95.378[a]	17	5.610	5.488	.000
KonsentrasiBAP	22.978	4	5.744	5.620	.002
KonsentrasiIBA	1.378	2	.689	.674	.518
Ulangan	10.711	2	5.356	5.239	.012
KonsentrasiBAP * KonsentrasiIBA	13.289	8	1.661	1.625	.162
Error	28.622	28	1.022		
Total	124.000	45			

a. R Squared = .769 (Adjusted R Squared = .629)

9. Hasil Uji DMRT 5% BAP terhadap Jumlah Filodia Akasia

Duncan

Konsentrasi BAP	N	Subset 1	Subset 2	Subset 3
1	9	.11		
3	9	.67	.67	
2	9	.78	.78	
5	9		1.33	1.33
4	9			2.22
Sig.		.197	.197	.073

Means for groups in homogeneous subsets are displayed.

Based on observed means.The error term is Mean Square(Error) = 1.022.

Lampiran 7. Gambar Alat, Bahan Dan Kegiatan

1. Alat

Hot plate

Kompor gas

Autoklaf

Oven

Timbangan Analitik

Lemari Es

pH Meter

LAF

Rak Kutur

Alat-Alat Gelas

Cawan Petri dan Alat Diseksi

2. Bahan

Bahan Pembuatan Media

Media Steril

Tunas Akasia

Bahan Untuk Inisiasi

Bahan Sterilisasi Ruang dan Alat

Sterilisasi Eksplan

Karet, Plastik dan Lebel

Almuniumfoil

Spirtus

Aquades

Air Steril

3. Kegiatan Penelitian

Penimbangan Bahan

Pembuatan Media

Pengukuran pH

Sterilisasi Media

Sterilisasi Eksplan dalam LAF

Penanaman atau Inisiasi Eksplan

Pengamatan

KEMENTRIAN AGAMA RI
UNIVERSITAS ISLAM NEGERI (UIN)
MAULANA MALIK IBRAHIM MALANG
FAKULTAS SAINS DAN TEKNOLOGI
Jl. Gajayana No.50 Malang 65144 Telp./Fax. (0341) 558933

BUKTI KONSULTASI SKRIPSI

Nama : **Ni'matur Rochmah**
NIM : **10620109**
Fakultas/Jurusan : **Sains dan Teknologi/Biologi**
Judul Skipsi :**Propagasi Akasia (*Acacia Mangium* Willd) dengan Pemberian Kombinasi ZPT BAP (*Benzyl Amino Purin*) dan IBA (*Indole Butryc Acid*) Secara *In Vitro***

Pembimbing I : **Ruri Siti Resmisari, M.Si**

No	Tanggal	HAL	TandaTangan
1.	15 Februari 2014	Konsultasi Judul, BAB I	1.
2.	25 Maret 2014	Konsultasi BAB II, III	2.
3.	27April 2014	Revisi BAB I, II, III	3.
4.	02 Mei 2014	Seminar Proposal	4.
5.	20 Mei 2014	Revisi BAB I, II, III	5.
6.	18 Agustus 2014	Konsultasi BAB IV, V	6.
7.	21 Agustus 2014	Revisi BAB IV, V	7.
8.	25 Agustus 2014	Konsultasi BAB I, II, III, IV,V	8.
9.	28 Agustus 2014	Revisi BAB I, II, III, IV,V	9.
10.	30 Agustus 2014	ACC Keseluruhan	10.

Malang,01 September 2014
Mengetahui,
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Pembimbing II : **Achmad Nasichuddin, M.A**

No	Tanggal	HAL	TandaTangan
1.	15 Agustus 2014	Konsultasi BAB I, II,III, Agama	1.
2.	21 Agustus 2014	Revisi BAB I, II, III Agama	2.
3.	25 Agustus 2014	Konsultasi BAB IV, V Agama	3.
4.	29 Agustus 2014	Revisi BAB IV, V Agama	4.
5.	1 September 2014	ACC Keseluruhan	5.

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