

Lampiran 1: Berat basah kalus yang telah ditransformasi dalam $\sqrt{y + 0,5}$

Perlakuan	Ulangan I	Ulangan II	Ulangan III	Ulangan IV	Total
N0B0	0,7071	0,7071	0,7071	0,7071	2,8284
N1B0	0,7071	0,7071	0,7071	0,7071	2,8284
N2B0	0,7071	0,7071	0,7071	0,7071	2,8284
N3B0	0,7071	0,7071	0,7071	0,7071	2,8284
N4B0	0,7071	0,7071	0,7071	0,7071	2,8284
N0B1	0,7071	0,7071	0,7071	0,7071	2,8284
N1B1	10,3392	3,0496	12,2025	11,0770	36,6683
N2B1	8,2037	11,6705	10,8120	4,3243	35,0105
N3B1	8,8713	3,9243	7,2319	12,1737	32,2012
N4B1	7,9057	11,2339	9,2790	3,2558	31,6744
N0B2	0,7071	0,7071	0,7071	0,7071	2,8284
N1B2	4,3813	4,7749	13,8058	3,7417	26,7042
N2B2	8,9944	10,6348	11,0499	27,6225	58,3016
N3B2	6,2929	16,8879	16,4955	13,5904	53,2667
N4B2	11,1310	7,5763	14,6048	12,0665	45,3786
N0B3	0,7071	0,7071	0,7071	0,7071	2,8284
N1B3	10,9590	9,5499	7,6616	9,9649	38,1354
N2B3	11,7856	17,8241	44,3791	27,1422	101,1354
N3B3	22,2666	22,3540	14,0178	22,9870	81,630
N4B3	16,5288	18,0776	18,7989	11,1893	64,590

Lampiran 2 : Perhitungan ANOVA Berat Basah Kalus

BAP	B0	B1	B2	B3	Total
NAA					
N0	2,8284	2,8284	2,8284	2,8284	11,32
N1	2,8284	36,6683	26,7042	38,1354	104,34
N2	2,8284	35,0105	58,3016	101,131	197,27
N3	2,8284	32,2012	53,2667	81,63	169,93
N4	2,8284	31,6744	45,3786	64,59	144,47
Total	14,142	138,3828	186,4795	288,3148	

$$FK = \frac{627,3193^2}{4 \times 5 \times 4} = 4919,1188$$

$$\begin{aligned} JK \text{ TOTAL} &= (0,7071^2 + 0,7071^2 + \dots + 11,1823^2) - FK \\ &= 10.301 - FK \\ &= 5382,39 \end{aligned}$$

$$\begin{aligned} JK \text{ PERLAKUAN} &= \frac{2,8284^2 + 2,8284^2 + \dots + 64,59^2}{4} - FK \\ &= 9050,05 - FK \\ &= 4130,9312 \end{aligned}$$

$$\begin{aligned} -JK \text{ NAA} &= \frac{11,32^2 + 104,34^2 + 197,27^2 + 169,92^2 + 144,476^2}{4 \times 4} - FK \\ &= 6229,755 - FK \\ &= 1310,6362 \end{aligned}$$

$$\begin{aligned} -JK \text{ BAP} &= \frac{[14,142^2 + 138,3828^2 + 186,4795^2 + 288,3148^2]}{4 \times 5} - FK \\ &= 6862,492 - FK \\ &= 1943,373 \end{aligned}$$

$$\begin{aligned} \text{-JK Interaksi NAA-BAP} &= \text{JK Perlakuan} - \text{JK NAA} - \text{JK BAP} \\ &= 876,922 \end{aligned}$$

$$\begin{aligned} \text{JK GALAT} &= \text{JK TOTAL} - \text{JK PERLAKUAN} \\ &= 5382,390 - 4130,9312 \\ &= 1251,459 \end{aligned}$$

Lampiran 3: Anova berat basah kalus (hasil transformasi dalam $\sqrt{y + 0,5}$)

SK	DB	JK	KT	F hit	F tabel
PERLAKUAN	19	4130,931	217,417	10,42**	2,23
- NAA	4	1310,636	327,659	15,71**	3,65
- BAP	3	1943,373	647,791	31,06**	4,13
- Interaksi NAA xBAP	12	876,922	73,077	3,504**	2,50
GALAT	60	1251,459	20,858		
JUMLAH	79	5382,390			

** : berbeda nyata pada taraf uji signifikansi 1%

$$KK = \frac{\sqrt{20,858}}{7,84} \times 100 \% = 58,25\%$$

Lampiran 4. Uji beda nyata Duncan antar rerata perlakuan

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DMR 5%	6,46	6,80	7,03	7,17	7,31	7,40	7,49	7,56	7,60	7,65	7,70	7,73	7,76	7,79	7,83	7,85	7,88	7,9	7,92
1%	8,59	8,95	9,20	9,41	9,52	9,66	9,76	9,84	9,91	9,98	10,02	10,08	10,14	10,17	10,21	10,24	10,28	10,31	10,34
	N2B3	N3B3	N4B3	N2B2	N3B2	N4B2	N1B3	N1B1	N2B1	N3B1	N4B1	N1B2	N0B3	N0B2	N0B1	N4B0	N3B0	N2B0	N1B0
Rerata	25,28	20,41	16,15	14,58	13,32	11,34	9,53	9,17	8,75	8,05	7,92	6,68	0,7071	0,7071	0,7071	0,7071	0,7071	0,7071	0,7071
N0B0	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N1B0	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N2B0	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N3B0	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N4B0	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N0B1	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N0B2	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N0B3	24,57	19,70	15,44	13,87	12,61	10,63	8,82	8,43	8,04	7,37	7,21	5,97	0	0	0	0	0	0	0
N1B2	18,6	13,37	9,47	7,9	6,64	4,66	2,85	2,49	2,07	1,37	1,24	0	0	0	0	0	0	0	0
N4B1	17,36	12,49	8,23	6,68	5,4	3,42	1,61	1,25	0,83	0,13	0	0	0	0	0	0	0	0	0
N3B1	17,23	12,36	8,1	6,53	5,27	3,29	1,48	1,12	0,7	0	0	0	0	0	0	0	0	0	0
N2B1	16,53	11,66	7,4	5,83	4,57	2,59	0,78	0,42	0	0	0	0	0	0	0	0	0	0	0
N1B1	16,11	11,24	6,90	5,41	4,15	2,17	0,36	0	0	0	0	0	0	0	0	0	0	0	0
N1B3	15,75	10,88	6,62	5,05	3,79	1,81	0	0	0	0	0	0	0	0	0	0	0	0	0
N4B2	13,94	9,07	4,81	3,24	1,98	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N3B2	11,96	7,09	2,83	1,26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N2B2	10,7	5,83	1,57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N4B3	9,13	4,26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N3B3	4,87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N2B3	25,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Lampiran 5: Formulasi Medium Murashige & Skoog

Makronutrien:

NH_4NO_3	1650	mg/l
KNO_3	1900	mg/l
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	440	mg/l
$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	370	mg/l
KH_2PO_4	170	mg/l

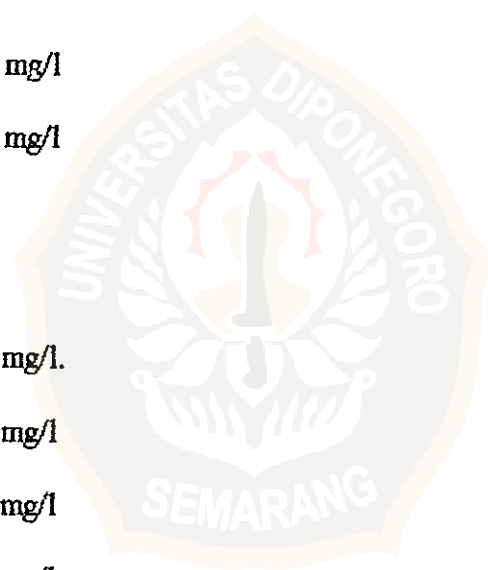
Zat besi :

$\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	27,8	mg/l
Na_2EDTA	37,3	mg/l

Mikronutrien:

H_2BO_3	6,2	mg/l.
$\text{MnSO}_4 \cdot 4\text{H}_2\text{O}$	22,3	mg/l
$\text{ZnSO}_4 \cdot 4\text{H}_2\text{O}$	8,6	mg/l
KI	0,83	mg/l
$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0,25	mg/l
$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0,025	mg/l
$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0,025	mg/l

Sukrosa	30.000	mg/l
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Asam amino glisin	2	mg/l
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Vitamin-vitamin:

Myoinositol	100	mg/l
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Vitamin B1	0,1	mg/l
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Vitamin B6	0,5	mg/l
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Nicotinic acid	0,5	mg/l
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Lampiran 6. Foto kalus eksplan daun kenanga (*Cananga odorata* HOOK f & TH)

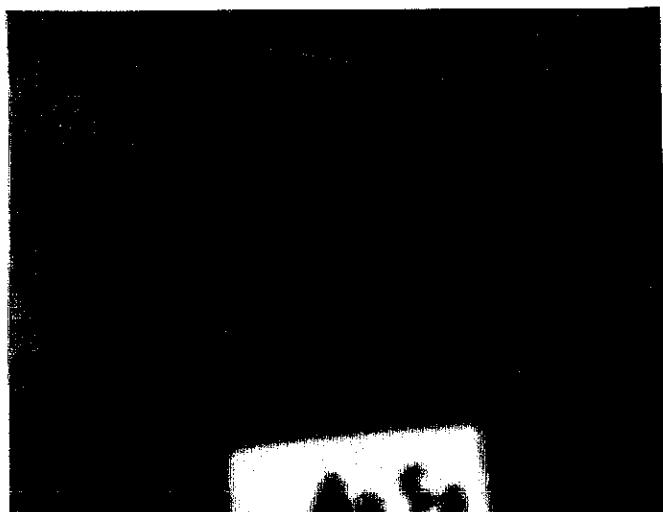


Foto kalus eksplan daun kenanga yang ditanam pada medium N2B3



Foto kalus eksplan daun kenanga yang ditanam pada medium N3B3



Foto kalus eksplan daun kenanga yang ditanam pada medium N4B3