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**Lampiran 1. Data Pengamatan Saat terbentuk Kalus (HST)**

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
N <sub>1</sub> D <sub>1</sub>	0.00	80.00	65.00	145.00	48.33
N <sub>1</sub> D <sub>2</sub>	70.00	75.00	73.00	218.00	72.67
N <sub>1</sub> D <sub>3</sub>	0.00	0.00	80.00	80.00	26.67
N <sub>1</sub> D <sub>4</sub>	71.00	0.00	74.00	145.00	48.33
N <sub>2</sub> D <sub>1</sub>	0.00	69.00	0.00	69.00	23.00
N <sub>2</sub> D <sub>2</sub>	78.00	0.00	0.00	78.00	26.00
N <sub>2</sub> D <sub>3</sub>	65.00	71.00	71.00	207.00	69.00
N <sub>2</sub> D <sub>4</sub>	69.00	65.00	0.00	134.00	44.67
N <sub>3</sub> D <sub>1</sub>	0.00	79.00	72.00	151.00	50.33
N <sub>3</sub> D <sub>2</sub>	68.00	0.00	0.00	68.00	22.67
N <sub>3</sub> D <sub>3</sub>	62.00	64.00	63.00	189.00	63.00
N <sub>3</sub> D <sub>4</sub>	67.00	0.00	74.00	141.00	47.00
N <sub>4</sub> D <sub>1</sub>	0.00	69.00	0.00	69.00	23.00
N <sub>4</sub> D <sub>2</sub>	0.00	0.00	71.00	71.00	23.67
N <sub>4</sub> D <sub>3</sub>	71.00	0.00	80.00	151.00	50.33
N <sub>4</sub> D <sub>4</sub>	70.00	78.00	0.00	148.00	49.33
<b>Total</b>	691.00	650.00	723.00	2,064.00	43.00

**Lampiran 2. Data Pengamatan Saat Terbentuk Kalus (HST)  
trans Log (x+1)**

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
N <sub>1</sub> D <sub>1</sub>	0.00	1.91	1.82	3.73	1.24
N <sub>1</sub> D <sub>2</sub>	1.85	1.88	1.87	5.60	1.87
N <sub>1</sub> D <sub>3</sub>	0.00	0.00	1.91	1.91	0.64
N <sub>1</sub> D <sub>4</sub>	1.86	0.00	1.88	3.73	1.24
N <sub>2</sub> D <sub>1</sub>	0.00	1.85	0.00	1.85	0.62
N <sub>2</sub> D <sub>2</sub>	1.90	0.00	0.00	1.90	0.63
N <sub>2</sub> D <sub>3</sub>	1.82	1.86	1.86	5.53	1.84
N <sub>2</sub> D <sub>4</sub>	1.85	1.82	0.00	3.66	1.22
N <sub>3</sub> D <sub>1</sub>	0.00	1.90	1.86	3.77	1.26
N <sub>3</sub> D <sub>2</sub>	1.84	0.00	0.00	1.84	0.61
N <sub>3</sub> D <sub>3</sub>	1.80	1.81	1.81	5.42	1.81
N <sub>3</sub> D <sub>4</sub>	1.83	0.00	1.88	3.71	1.24
N <sub>4</sub> D <sub>1</sub>	0.00	1.85	0.00	1.85	0.62
N <sub>4</sub> D <sub>2</sub>	0.00	0.00	1.86	1.86	0.62

$N_4D_3$	1.86	0.00	1.91	3.77	1.26
$N_4D_4$	1.85	1.90	0.00	3.75	1.25
<b>Total</b>	18.45	16.77	18.64	53.86	1.12

### Lampiran 3. Daftar Sidik Ragam Saat Terbentuk Kalus

SK	db	JK	KT	Fh	F.05
<b>Perlakuan</b>	15	9.45	0.63	0.67 tn	1.99
<b>N</b>	3	0.77	0.26	0.27 tn	2.90
<b>N-Linier</b>	1	0.37	0.37	0.40 tn	4.15
<b>D</b>	3	1.86	0.62	0.66 tn	2.90
<b>D-Linier</b>	1	1.13	1.13	1.19 tn	4.15
<b>N x D</b>	9	6.83	0.76	0.81 tn	2.19
<b>Galat</b>	32	30.17	0.94		
<b>Total</b>	47	39.624			

KK = 86.53%

Keterangan : tn = tidak nyata

### Lampiran 4. Data Pengamatan Persentase Membentuk Kalus (%)

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
$N_1D_1$	0.00	100.00	100.00	200.00	66.67
$N_1D_2$	100.00	100.00	100.00	300.00	100.00
$N_1D_3$	0.00	0.00	100.00	100.00	33.33
$N_1D_4$	100.00	0.00	100.00	200.00	66.67
$N_2D_1$	0.00	100.00	0.00	100.00	33.33
$N_2D_2$	100.00	0.00	0.00	100.00	33.33
$N_2D_3$	100.00	100.00	100.00	300.00	100.00
$N_2D_4$	100.00	0.00	0.00	200.00	66.67
$N_3D_1$	0.00	100.00	100.00	200.00	66.67
$N_3D_2$	100.00	0.00	0.00	100.00	33.33
$N_3D_3$	100.00	100.00	100.00	300.00	100.00
$N_3D_4$	100.00	0.00	100.00	200.00	66.67
$N_4D_1$	0.00	100.00	0.00	100.00	33.33
$N_4D_2$	0.00	0.00	100.00	100.00	33.33
$N_4D_3$	100.00	0.00	100.00	200.00	66.67
$N_4D_4$	100.00	100.00	0.00	200.00	66.67
<b>Total</b>	1,000.00	900.00	1,000.00	2,900.00	60.42

**Lampiran 5. Data Pengamatan Persentase Membentuk Kalus (%)  
trans Arcsin  $\sqrt{P}$**

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
N <sub>1</sub> D <sub>1</sub>	2.03	87.97	87.97	177.97	59.32
N <sub>1</sub> D <sub>2</sub>	87.97	87.97	87.97	263.91	87.97
N <sub>1</sub> D <sub>3</sub>	2.03	2.03	87.97	92.03	30.68
N <sub>1</sub> D <sub>4</sub>	87.97	2.03	87.97	177.97	59.32
N <sub>2</sub> D <sub>1</sub>	2.03	87.97	2.03	92.03	30.68
N <sub>2</sub> D <sub>2</sub>	87.97	2.03	2.03	92.03	30.68
N <sub>2</sub> D <sub>3</sub>	97.97	87.97	87.97	273.91	91.30
N <sub>2</sub> D <sub>4</sub>	87.97	87.97	87.97	177.97	59.32
N <sub>3</sub> D <sub>1</sub>	2.03	87.97	87.97	177.97	59.32
N <sub>3</sub> D <sub>2</sub>	87.97	2.03	2.03	92.03	30.68
N <sub>3</sub> D <sub>3</sub>	87.97	87.97	87.97	263.91	87.97
N <sub>3</sub> D <sub>4</sub>	87.97	2.03	87.97	177.97	59.32
N <sub>4</sub> D <sub>1</sub>	2.03	87.97	2.03	92.03	30.68
N <sub>4</sub> D <sub>2</sub>	2.03	2.03	87.97	92.03	30.68
N <sub>4</sub> D <sub>3</sub>	87.97	2.03	87.97	177.97	59.32
N <sub>4</sub> D <sub>4</sub>	87.97	87.97	2.03	177.97	59.32
<b>Total</b>	<b>901.88</b>	<b>805.94</b>	<b>891.88</b>	<b>2,599.70</b>	<b>54.16</b>

**Lampiran 6. Daftar Sidik Ragam Persentase Membentuk Kalus**

SK	db	JK	KT	Fh	F.05
Perlakuan	15	21,483.84	1,432.26	0.72 tn	1.99
N	3	1,622.99	554.33	0.28 tn	2.90
N-Linier	1	805.57	805.57	0.40 tn	4.15
D	3	4,411.36	1,470.45	0.73 tn	2.90
D-Linier	1	2,557.54	2,557.54	1.28 tn	4.15
N x D	9	15,409.49	1,712.17	0.86 tn	2.19
Galat	32	64,075.92	2,002.37		
<b>Total</b>	<b>47</b>	<b>85,559.768</b>			

KK = 82.62%

Keterangan : tn = tidak nyata

Lampiran 7. Data Pengamatan Jumlah Eksplan Membentuk Kalus (Buah)

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
N <sub>1</sub> D <sub>1</sub>	0.00	1.00	0.00	1.00	0.33
N <sub>1</sub> D <sub>2</sub>	1.00	1.00	1.00	3.00	1.00
N <sub>1</sub> D <sub>3</sub>	0.00	0.00	1.00	1.00	0.33
N <sub>1</sub> D <sub>4</sub>	1.00	0.00	1.00	2.00	0.67
N <sub>2</sub> D <sub>1</sub>	0.00	1.00	0.00	1.00	0.33
N <sub>2</sub> D <sub>2</sub>	1.00	0.00	0.00	1.00	0.33
N <sub>2</sub> D <sub>3</sub>	1.00	1.00	1.00	3.00	1.00
N <sub>2</sub> D <sub>4</sub>	1.00	1.00	0.00	2.00	0.67
N <sub>3</sub> D <sub>1</sub>	0.00	1.00	1.00	2.00	0.67
N <sub>3</sub> D <sub>2</sub>	1.00	0.00	0.00	1.00	0.33
N <sub>3</sub> D <sub>3</sub>	1.00	1.00	1.00	3.00	1.00
N <sub>3</sub> D <sub>4</sub>	1.00	0.00	1.00	2.00	0.67
N <sub>4</sub> D <sub>1</sub>	0.00	1.00	0.00	1.00	0.33
N <sub>4</sub> D <sub>2</sub>	0.00	0.00	1.00	1.00	0.33
N <sub>4</sub> D <sub>3</sub>	1.00	0.00	1.00	2.00	0.67
N <sub>4</sub> D <sub>4</sub>	0.00	1.00	0.00	2.00	0.67
<b>Total</b>	10.00	9.00	9.00	28.00	0.58

Lampiran 8. Data Pengamatan Jumlah Eksplan Membentuk Kalus (Buah)  
(trans  $\sqrt{x+0,5}$ )

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
N <sub>1</sub> D <sub>1</sub>	0.71	1.22	0.71	2.64	0.88
N <sub>1</sub> D <sub>2</sub>	1.22	1.22	1.22	3.67	1.22
N <sub>1</sub> D <sub>3</sub>	0.71	0.71	1.22	2.64	0.88
N <sub>1</sub> D <sub>4</sub>	1.22	0.71	1.22	3.16	1.05
N <sub>2</sub> D <sub>1</sub>	0.71	1.22	0.71	2.64	0.88
N <sub>2</sub> D <sub>2</sub>	1.22	0.71	0.71	2.64	0.88
N <sub>2</sub> D <sub>3</sub>	1.22	1.22	1.22	3.67	1.22
N <sub>2</sub> D <sub>4</sub>	1.22	1.22	0.71	3.16	1.05
N <sub>3</sub> D <sub>1</sub>	0.71	1.22	1.22	3.16	1.05
N <sub>3</sub> D <sub>2</sub>	1.22	0.71	0.71	2.64	0.88
N <sub>3</sub> D <sub>3</sub>	1.22	1.22	1.22	3.67	1.22
N <sub>3</sub> D <sub>4</sub>	1.22	0.71	1.22	3.16	1.05
N <sub>4</sub> D <sub>1</sub>	0.71	1.22	0.71	2.64	0.88
N <sub>4</sub> D <sub>2</sub>	0.71	0.71	1.22	2.64	0.88