

Lampiran 1: Perhitungan zat pengatur tumbuh (ZPT) dan pupuk daun

- $1 \text{ ppm}(10^{-6}) = \frac{\text{mm}^3}{\text{dm}^3}; \frac{\text{cm}^3}{\text{m}^3}; \frac{\text{mg}}{\text{l}}; \frac{\text{mg}}{\text{kg}}; \frac{\text{kg}}{\text{kl}}$
- $1 \text{ ppm} = 1 \text{ mg/kg}$
 $= 0.001 \text{ g/l}$
- Padat $= 1 \text{ ppm}$
 $= 1 \text{ mg/l}$
 $= 0.001 \text{ gr/1000 ml}$
- Cair $= 1 \text{ ppm}$
 $= \frac{1 \text{ ml}}{1000 \text{ l}}$
 $= 0.001 \text{ l}$
- 1 perlakuan terdiri dari 9 pot tanaman, 1 pot = 100 ml larutan
- $100 \text{ ppm} = 100 \text{ mg/l}$
 $= \frac{100 \text{ mg}}{1000 \text{ ml}}$
 $= \frac{10 \text{ mg}}{100 \text{ ml}}$
 $= 0.01 \text{ g/100 ml}$
- Total kebutuhan Atonik = 9000 ppm = 9 g/l
- Total kebutuhan Gandasil-B = 12150 ppm = 12.15 g/l
 1. $P1 = 9 \times 250 \text{ ppm} = 2250 \text{ ppm} = 2.25 \text{ g/l}$
 2. $P2 = 9 \times 100 \text{ ppm} = 900 \text{ ppm} = 0.9 \text{ g/l}$
 3. $P3 = 9 \times 300 \text{ ppm} = 2700 \text{ ppm} = 2.7 \text{ g/l}$
 4. $P4 = 9 \times 500 \text{ ppm} = 4500 \text{ ppm} = 4.5 \text{ g/l}$
 5. $P5 = (9 \times 250 \text{ ppm}) + (9 \times 50 \text{ ppm}) = 2.25 \text{ g/l} + 0.45 \text{ g/l}$
 6. $P6 = (9 \times 250 \text{ ppm}) + (9 \times 150 \text{ ppm}) = 2.25 \text{ g/l} + 1.35 \text{ g/l}$
 7. $P7 = (9 \times 250 \text{ ppm}) + (9 \times 250 \text{ ppm}) = 2.25 \text{ g/l} + 2.25 \text{ g/l}$

Lampiran 2: Tabel ANOVA

1. Tinggi tanaman hari setelah perlakuan

a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	0.15833	0.02262	1.00796	2.76	4.28
Ulangan	2	0.02583	0.01292	0.5756	3.74	6.51
Galat	14	0.31417	0.02244			
Total	23	0.49833				

FK = 5884

JKT = 0.498

KK = 3.786

b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	11.33	1.62	7.77	2.76	4.28
Ulangan	2	1.08	0.54	2.60	3.74	6.51
Galat	14	2.92	0.21			
Total	23	15.33				

FK = 6273

JKT = 15.33

KK = 11.35

c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	9.16667	1.30952	4.4898	2.76	4.28
Ulangan	2	0.58333	0.29167	1	3.74	6.51
Galat	14	4.08333	0.29167			
Total	23	13.8333				

FK = 7004

JKT = 13.83

KK = 13.07

d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	16.29	2.33	12.61	2.76	4.28
Ulangan	2	0.08	0.04	0.23	3.74	6.51
Galat	14	2.58	0.18			
Total	23	18.96				

FK = 7812

JKT = 18.96
 KK = 10.11
 e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	25.17	3.60	9.90	2.76	4.28
Ulangan	2	0.25	0.13	0.34	3.74	6.51
Galat	14	5.08	0.36			
Total	23	30.50				

FK = 8894
 JKT = 30.5
 KK = 13.73

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	25.17	3.60	9.90	2.76	4.28
Ulangan	2	0.25	0.13	0.34	3.74	6.51
Galat	14	5.08	0.36			
Total	23	30.50				

FK = 8894
 JKT = 30.5
 KK = 13.73

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	25.17	3.60	9.90	2.76	4.28
Ulangan	2	0.25	0.13	0.34	3.74	6.51
Galat	14	5.08	0.36			
Total	23	30.50				

FK = 8894
 JKT = 30.5
 KK = 13.73

Lanjutan

2. Jumlah cabang hari setelah perlakuan

a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	0.00	0	#DIV/0!	2.76	4.28
Ulangan	2	5.33	2.66667	#DIV/0!	3.74	6.51
Galat	14	0.00	0			
Total	23	5.33333				

FK = 130.67

JKT = 5.33

KK = 0

b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.63	0.375	1.23529	2.76	4.28
Ulangan	2	3.08	1.54167	5.07843	3.74	6.51
Galat	14	4.25	0.30357			
Total	23	9.95833				

FK = 247.04

JKT = 9.96

KK = 30.76

c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	1.96	0.27976	1	2.76	4.28
Ulangan	2	2.08	1.04167	3.7234	3.74	6.51
Galat	14	3.92	0.27976			
Total	23	7.95833				

FK = 345.04

JKT = 7.96

KK = 27.16

d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	1.96	0.27976	1	2.76	4.28
Ulangan	2	2.08	1.04167	3.7234	3.74	6.51
Galat	14	3.92	0.27976			
Total	23	7.95833				

FK = 345.04

JKT = 7.96



KK = 27.16

e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.67	0.38095	2.28571	2.76	4.28
Ulangan	2	1.00	0.5	3	3.74	6.51
Galat	14	2.33	0.16667			
Total	23	6				

FK = 384

JKT = 6

KK = 20.41

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.67	0.38095	2.28571	2.76	4.28
Ulangan	2	1.00	0.5	3	3.74	6.51
Galat	14	2.33	0.16667			
Total	23	6				

FK = 384

JKT = 6

KK = 20.41

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.67	0.38095	2.28571	2.76	4.28
Ulangan	2	1.00	0.5	3	3.74	6.51
Galat	14	2.33	0.16667			
Total	23	6				

FK = 384

JKT = 6

KK = 20.41

Lanjutan

3. Jumlah ruas tiap cabang hari setelah perlakuan

a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	0	0	#DIV/0!	2.76	4.28
Ulangan	2	0	0	#DIV/0!	3.74	6.51
Galat	14	0	0			
Total	23	0				

FK = 1176

JKT = 0

KK = 0

b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.50	0.36	1.67	2.76	4.28
Ulangan	2	0.33	0.17	0.78	3.74	6.51
Galat	14	3.00	0.21			
Total	23	5.83				

FK = 1320.17

JKT = 5.83

KK = 17

c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	3.29	0.47	2.55	2.76	4.28
Ulangan	2	0.08	0.04	0.23	3.74	6.51
Galat	14	2.58	0.18			
Total	23	5.96				

FK = 1335.04

JKT = 5.96

KK = 15.73

d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	4.63	0.66	3.36	2.76	4.28
Ulangan	2	0.58	0.29	1.48	3.74	6.51
Galat	14	2.75	0.20			
Total	23	7.96				

FK = 1617.04

JKT = 7.96

KK = 15.47

e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	20.29	2.90	6.41	2.76	4.28
Ulangan	2	2.33	1.17	2.58	3.74	6.51
Galat	14	6.33	0.45			
Total	23	28.96				

FK = 2882

JKT = 28.96

KK = 20.32

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	16.67	2.38	5.48	2.76	4.28
Ulangan	2	3.25	1.63	3.74	3.74	6.51
Galat	14	6.08	0.43			
Total	23	26.00				

FK = 2904

JKT = 26

KK = 19.88

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	16.6667	2.38095	5.47945	2.76	4.28
Ulangan	2	3.25	1.625	3.73973	3.74	6.51
Galat	14	6.08	0.43452			
Total	23	26				

FK = 2904

JKT = 26

KK = 19.88

Lanjutan

4. Jumlah kuntum tanaman melati

➤ Jumlah kuntum hari setelah perlakuan (data sebelum transformasi)

a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	13.96	1.99	9.57	2.76	4.28
Ulangan	2	1.08	0.54	2.60	3.74	6.51
Galat	14	2.92	0.21			
Total	23	17.96				

FK = 35.04

JKT = 17.96

KK = 41.52

b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	62.50	8.93	5.71	2.76	4.28
Ulangan	2	29.13	14.56	9.32	3.74	6.51
Galat	14	21.88	1.56			
Total	23	113.50				

FK = 181.50

JKT = 113.50

KK = 75.38

c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	175.96	25.14	4.31	2.76	4.28
Ulangan	2	82.33	41.17	7.06	3.74	6.51
Galat	14	81.67	5.83			
Total	23	339.958				

FK = 551.04

JKT = 339.96

KK = 110.34

d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	265.33	37.90	7.70	2.76	4.28
Ulangan	2	85.08	42.54	8.64	3.74	6.51
Galat	14	68.92	4.92			
Total	23	419.333				

FK = 1120.67

JKT = 419.33

KK = 84.88

e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	220.00	31.43	11.10	2.76	4.28
Ulangan	2	49.38	24.69	8.72	3.74	6.51
Galat	14	39.63	2.83			
Total	23	309.00				

FK = 1536

JKT = 309

KK = 59.48

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	216.00	30.86	28.33	2.76	4.28
Ulangan	2	0.08	0.04	0.04	3.74	6.51
Galat	14	15.25	1.09			
Total	23	231.33				

FK = 1667

JKT = 231.33

KK = 36.15

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	206.63	29.52	24.67	2.76	4.28
Ulangan	2	0.58	0.29	0.24	3.74	6.51
Galat	14	16.75	1.20			
Total	23	223.96				

FK = 1751

JKT = 223.96

KK = 37.43

- Jumlah kuntum hari setelah perlakuan (data hasil transformasi akar ($\sqrt{x + 0.5}$))
- a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.14	0.31	11.21	2.76	4.28
Ulangan	2	0.15	0.07	2.70	3.74	6.51
Galat	14	0.38	0.03			
Total	23	2.67				

FK = 38.33

JKT = 2.67

KK = 14.69

- b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	7.12	1.02	44.60	2.76	4.28
Ulangan	2	0.07	0.04	1.62	3.74	6.51
Galat	14	0.32	0.02			
Total	23	7.52				

FK = 75.48

JKT = 7.52

KK = 11.34

- c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	12.39	1.77	53.10	2.76	4.28
Ulangan	2	0.06	0.03	0.94	3.74	6.51
Galat	14	0.47	0.03			
Total	23	12.9205				

FK = 122.08

JKT = 12.92

KK = 12.16

- d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	12.30	1.76	59.12	2.76	4.28
Ulangan	2	0.06	0.03	0.96	3.74	6.51
Galat	14	0.42	0.03			
Total	23	12.7741				

FK = 169.23

JKT = 12.77

KK = 10.58

e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	7.96	1.14	29.66	2.76	4.28
Ulangan	2	0.02	0.01	0.24	3.74	6.51
Galat	14	0.54	0.04			
Total	23	8.52				

FK = 198

JKT = 8.52

KK = 11.55

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	7.47	1.07	41.23	2.76	4.28
Ulangan	2	0.00	0.00	0.04	3.74	6.51
Galat	14	0.36	0.03			
Total	23	7.84				

FK = 204.16

JKT = 7.84

KK = 9.42

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	6.58	0.94	29.02	2.76	4.28
Ulangan	2	0.02	0.01	0.24	3.74	6.51
Galat	14	0.45	0.03			
Total	23	7.05				

FK = 210

JKT = 7.05

KK = 10.46

Lanjutan**5. Data jumlah bunga tanaman melati**

- Jumlah bunga hari setelah perlakuan (data sebelum transformasi)

a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	1.96	0.28	1.07	2.76	4.28
Ulangan	2	0.33	0.17	0.64	3.74	6.51
Galat	14	3.67	0.26			
Total	23	5.96				

FK = 1.042

JKT = 5.958

KK = 112.1

b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	26.29	3.76	12.8778	2.76	4.28
Ulangan	2	0.58	0.29	0.99951	3.74	6.51
Galat	14	4.08	0.29			
Total	23	30.96				

FK = 126

JKT = 30.96

KK = 35.67

c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	45.29	6.47	13.76	2.76	4.28
Ulangan	2	0.08	0.04	0.09	3.74	6.51
Galat	14	6.58	0.47			
Total	23	51.96				

FK = 301

JKT = 51.96

KK = 36.44

d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	35.29	5.04	15.4004	2.76	4.28
Ulangan	2	0.08	0.04	0.12677	3.74	6.51
Galat	14	4.58	0.33			
Total	23	39.96				

FK = 345

JKT = 39.96

KK = 29.38

e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	40.63	5.80	11.2083	2.76	4.28
Ulangan	2	0.08	0.04	0.08014	3.74	6.51
Galat	14	7.25	0.52			
Total	23	47.96				

FK = 345

JKT = 47.96

KK = 36.96

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	28.96	4.14	4.02	2.76	4.28
Ulangan	2	0.25	0.13	0.12	3.74	6.51
Galat	14	14.42	1.03			
Total	23	43.63				

FK = 273.4

JKT = 43.63

KK = 55.24

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	24.67	3.52	5.92	2.76	4.28
Ulangan	2	1.00	0.50	0.84	3.74	6.51
Galat	14	8.33	0.60			
Total	23	34.00				

FK = 96

JKT = 34

KK = 54.55

➤ Jumlah bunga hari setelah perlakuan (data hasil transformasi akar ($\sqrt{x + 0.5}$))

a. 14 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	0.46	0.07	1.14	2.76	4.28
Ulangan	2	0.06	0.03	0.56	3.74	6.51
Galat	14	0.80	0.06			
Total	23	1.32				

FK = 15.68

JKT = 1.322

KK = 26.64

b. 21 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	3.54	0.51	20.7219	2.76	4.28
Ulangan	2	0.05	0.03	1.04499	3.74	6.51
Galat	14	0.34	0.02			
Total	23	3.93				

FK = 63.07

JKT = 3.927

KK = 12.46

c. 28 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	4.51	0.64	18.22	2.76	4.28
Ulangan	2	0.02	0.01	0.34	3.74	6.51
Galat	14	0.50	0.04			
Total	23	5.03				

FK = 91.97

JKT = 5.033

KK = 13.45

d. 35 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.44	0.35	16.067	2.76	4.28
Ulangan	2	0.01	0.01	0.23167	3.74	6.51
Galat	14	0.30	0.02			
Total	23	2.75				

FK = 100.3

JKT = 2.749

KK = 10.29

e. 42 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.46	0.35	10.9305	2.76	4.28
Ulangan	2	0.00	0.00	0.03899	3.74	6.51
Galat	14	0.45	0.03			
Total	23	2.92				

FK = 100.1

JKT = 2.916

KK = 12.55

f. 49 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	1.81	0.26	3.77	2.76	4.28
Ulangan	2	0.01	0.00	0.06	3.74	6.51
Galat	14	0.96	0.07			
Total	23	2.78				

FK = 90.22

JKT = 2.777

KK = 18.8

g. 56 HSP

SK	db	JK	KT	F Hit	F Tabel 5%	F Tabel 1%
Perlakuan	7	2.13	0.30	5.49	2.76	4.28
Ulangan	2	0.08	0.04	0.71	3.74	6.51
Galat	14	0.78	0.06			
Total	23	2.99				

FK = 57.01

JKT = 2.986

KK = 18.97

Lampiran 3: Dokumentasi pengamatan



a. 14 HSPT



b. 15 HSPT



c. 21 HSP



d. 28 HSP



e.35 HSP



f. 42 HSP



g. 49 HSP



h. Panen pertama (45 HSP) (hasil perlakuan terbaik)



i. Panen kedua (56 HSP) (hasil perlakuan terbaik)

Keterangan:

- a. HSPT : hari setelah pindah tanam
- b. HSP : hari setelah perlakuan