

### Lampiran 1. Bagan Penelitian

P <sub>1</sub>	P <sub>0</sub>	P <sub>9</sub>	P <sub>4</sub>	P <sub>8</sub>
P <sub>7</sub>	P <sub>2</sub>	P <sub>5</sub>	P <sub>11</sub>	P <sub>26</sub>
P <sub>23</sub>	P <sub>12</sub>	P <sub>3</sub>	P <sub>22</sub>	P <sub>19</sub>
P <sub>6</sub>	P <sub>13</sub>	P <sub>10</sub>	P <sub>17</sub>	P <sub>25</sub>
P <sub>14</sub>	P <sub>27</sub>	P <sub>16</sub>	P <sub>30</sub>	P <sub>21</sub>
P <sub>24</sub>	P <sub>15</sub>	P <sub>20</sub>	P <sub>18</sub>	P <sub>28</sub>
P <sub>24</sub>	P <sub>15</sub>	P <sub>20</sub>	P <sub>18</sub>	P <sub>28</sub>
P <sub>29</sub>	P <sub>4</sub>	P <sub>1</sub>	P <sub>16</sub>	P <sub>21</sub>
P <sub>12</sub>	P <sub>8</sub>	P <sub>23</sub>	P <sub>2</sub>	P <sub>6</sub>
P <sub>3</sub>	P <sub>27</sub>	P <sub>11</sub>	P <sub>17</sub>	P <sub>10</sub>
P <sub>24</sub>	P <sub>5</sub>	P <sub>14</sub>	P <sub>22</sub>	P <sub>26</sub>
P <sub>19</sub>	P <sub>18</sub>	P <sub>7</sub>	P <sub>25</sub>	P <sub>28</sub>
P <sub>30</sub>	P <sub>13</sub>	P <sub>15</sub>	P <sub>20</sub>	P <sub>9</sub>
P <sub>29</sub>	P <sub>0</sub>	P <sub>20</sub>	P <sub>0</sub>	P <sub>18</sub>
P <sub>10</sub>	P <sub>1</sub>	P <sub>3</sub>	P <sub>23</sub>	P <sub>2</sub>
P <sub>26</sub>	P <sub>14</sub>	P <sub>16</sub>	P <sub>29</sub>	P <sub>11</sub>
P <sub>17</sub>	P <sub>19</sub>	P <sub>25</sub>	P <sub>30</sub>	P <sub>7</sub>
P <sub>28</sub>	P <sub>8</sub>	P <sub>22</sub>		

Keterangan :

PB 260	(P <sub>0</sub> )	PN No.111	(P <sub>16</sub> )
PN No. 1659	(P <sub>1</sub> )	PN No.187	(P <sub>17</sub> )
PN No.1656	(P <sub>2</sub> )	PN No.223	(P <sub>18</sub> )
PN No.2173	(P <sub>3</sub> )	PN No.265	(P <sub>19</sub> )
PN No.225	(P <sub>4</sub> )	PN No.172	(P <sub>20</sub> )
PN No.157	(P <sub>5</sub> )	PN No.258	(P <sub>21</sub> )
PN No.179	(P <sub>6</sub> )	PN No.212	(P <sub>22</sub> )
PN No.35	(P <sub>7</sub> )	PN No.216	(P <sub>23</sub> )
PN No.190	(P <sub>8</sub> )	PN No.256	(P <sub>24</sub> )
PN No.189	(P <sub>9</sub> )	PN No.372	(P <sub>25</sub> )
PN No.199	(P <sub>10</sub> )	PN No.509	(P <sub>26</sub> )
PN No.182	(P <sub>11</sub> )	PN No.645	(P <sub>27</sub> )
PN No.294	(P <sub>12</sub> )	PN No.643	(P <sub>28</sub> )
PN No.143	(P <sub>13</sub> )	PN No.1664	(P <sub>29</sub> )
PN No.110	(P <sub>14</sub> )	PN No.152	(P <sub>30</sub> )
PN No.221	(P <sub>15</sub> )		

Jumlah perlakuan (t) : 31

Jumlah ulangan (r) : 3

**Lampiran 2.**Data Intensitas Serangan *C. Gloeosporioides* Pada Pengamatan I (2 hsi)

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
P0	0.00	0.00	0.00	0.00	0.00
P1	10.00	10.00	10.00	30.00	10.00
P2	15.00	10.00	10.00	35.00	11.67
P3	10.00	12.60	10.00	32.60	10.87
P4	0.00	0.00	0.00	0.00	0.00
P5	0.00	0.00	0.00	0.00	0.00
P6	0.00	10.00	10.00	20.00	6.67
P7	5.00	11.00	12.40	28.40	9.47
P8	0.00	2.00	0.00	2.00	0.67
P9	6.70	0.00	5.00	11.70	3.90
P10	5.00	0.00	5.00	10.00	3.33
P11	13.00	4.76	5.00	22.76	7.59
P12	6.78	5.00	8.90	20.68	6.89
P13	0.00	0.00	0.00	0.00	0.00
P14	0.00	0.00	0.00	0.00	0.00
P15	5.00	0.00	7.60	12.60	4.20
P16	7.00	8.00	0.00	15.00	5.00
P17	1.56	0.00	3.55	5.11	1.70
P18	10.00	8.70	10.00	28.70	9.57
P19	10.00	5.00	7.80	22.80	7.60
P20	0.00	0.00	0.00	0.00	0.00
P21	5.00	6.43	5.00	16.43	5.48
P22	5.00	1.00	1.75	7.75	2.58
P23	0.00	0.00	0.00	0.00	0.00
P24	7.50	0.00	10.00	17.50	5.83
P25	10.00	11.25	14.00	35.25	11.75
P26	10.00	5.00	10.00	25.00	8.33
P27	1.50	0.00	0.00	1.50	0.50
P28	5.00	5.00	5.00	15.00	5.00
P29	5.00	5.00	10.00	20.00	6.67
P30	1.50	0.00	2.00	3.50	1.17
Total	155.54	120.74	163.00	439.28	
Rataan	5.02	3.89	5.26		4.72

**Lampiran 3.**Data Intensitas Serangan (%) *C. Gloeosporioides* 2 hsi Transformasi Arcsin Vx

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
P0	7.03	7.03	7.03	21.10	7.03
P1	18.43	18.43	18.43	55.30	18.43
P2	22.79	18.43	18.43	59.66	19.89
P3	18.43	20.79	18.43	57.66	19.22
P4	7.03	7.03	7.03	21.10	7.03
P5	7.03	7.03	7.03	21.10	7.03
P6	7.03	18.43	18.43	43.90	14.63
P7	12.92	19.37	20.62	52.91	17.64
P8	7.03	8.13	7.03	22.20	7.40
P9	15.00	7.03	12.92	34.96	11.65
P10	12.92	7.03	12.92	32.88	10.96
P11	21.13	12.60	12.92	46.66	15.55
P12	15.09	12.92	17.36	45.37	15.12
P13	7.03	7.03	7.03	21.10	7.03
P14	7.03	7.03	7.03	21.10	7.03
P15	12.92	7.03	16.00	35.96	11.99
P16	15.34	16.43	7.03	38.81	12.94
P17	7.17	7.03	10.86	25.07	8.36
P18	18.43	17.15	18.43	54.02	18.01
P19	18.43	12.92	16.22	47.57	15.86
P20	7.03	7.03	7.03	21.10	7.03
P21	12.92	14.69	12.92	40.53	13.51
P22	12.92	5.74	7.60	26.26	8.75
P23	7.03	7.03	7.03	21.10	7.03
P24	15.89	7.03	18.43	41.36	13.79
P25	18.43	19.60	21.97	60.01	20.00
P26	18.43	12.92	18.43	49.79	16.60
P27	7.03	7.03	7.03	21.10	7.03
P28	12.92	12.92	12.92	38.76	12.92
P29	12.92	12.92	18.43	44.28	14.76
P30	7.03	7.03	8.13	22.20	7.40
Total	390.87	352.90	401.19	1144.96	
Rataan	12.61	11.38	12.94		12.31

Daftar Sidik Ragam

SK	db	JK	KT	Fhit		F0.01	F0.05
Perlakuan	30	1418.06	47.27	5.44	**	2.05	1.66
Galat	60	521.35	8.69				
Total	90	1939.40					

FK	14566.01	Ket :	**	sangat nyata
KK	23.94		*	nyata
			tn	tidak nyata

Lampiran 5. Uji Jarak Duncan

SY	1.39																				
P	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
SSR 0,01	3.76	3.92	4.03	4.12	4.17	4.23	4.27	4.31	4.34	4.36	4.39	4.41	4.44	4.45	4.47	4.48	4.50	4.51	4.53	4.55	
LSR0,01	5.22	5.45	5.60	5.73	5.79	5.88	5.93	5.99	6.03	6.06	6.10	6.13	6.17	6.18	6.21	6.23	6.25	6.27	6.29	6.32	
Perlakuan Rataan	P0	P4	P5	P13	P14	P20	P23	P27	P8	P30	P17	P22	P10	P9	P15	P28	P16	P21	P24	P6	P29
	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.03	7.40	7.40	8.36	8.75	10.96	11.65	11.99	12.92	12.94	13.51	13.79	14.63	14.76

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**Lampiran 4.**Data Intensitas Serangan *C. Gloeosporioides* Pada Pengamatan II (4 hsi)

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
P0	4.60	6.70	10.00	21.30	7.10
P1	20.00	20.00	25.00	65.00	21.67
P2	20.00	23.00	28.00	71.00	23.67
P3	15.00	17.80	26.55	59.35	19.78
P4	7.00	14.60	10.50	32.10	10.70
P5	10.00	12.45	10.33	32.78	10.93
P6	15.00	20.00	15.66	50.66	16.89
P7	20.00	23.66	19.80	63.46	21.15
P8	10.00	5.65	7.00	22.65	7.55
P9	13.44	15.00	16.70	45.14	15.05
P10	10.00	13.00	17.00	40.00	13.33
P11	15.00	20.00	19.87	54.87	18.29
P12	15.00	17.50	18.90	51.40	17.13
P13	15.00	10.00	8.00	33.00	11.00
P14	10.00	15.00	10.00	35.00	11.67
P15	13.00	17.80	15.00	45.80	15.27
P16	10.00	13.00	17.60	40.60	13.53
P17	8.60	10.00	9.60	28.20	9.40
P18	19.50	20.00	25.00	64.50	21.50
P19	22.00	23.00	20.00	65.00	21.67
P20	10.00	9.00	10.00	29.00	9.67
P21	15.00	14.50	15.00	44.50	14.83
P22	8.00	10.00	11.50	29.50	9.83
P23	15.00	15.50	15.00	45.50	15.17
P24	14.00	15.00	15.00	44.00	14.67
P25	24.00	27.00	28.90	79.90	26.63
P26	15.00	18.00	20.00	53.00	17.67
P27	4.70	9.50	10.00	24.20	8.07
P28	13.50	14.50	15.00	43.00	14.33
P29	18.50	20.00	20.00	58.50	19.50
P30	9.00	10.00	11.00	30.00	10.00
Total	419.84	481.16	501.91	1402.91	
Rataan	13.54	15.52	16.19		15.09

### Daftar Sidik Ragam

SK	db	JK	KT	Fhit	F0.01
Perlakuan	30	1675.63	55.85	7.99	**
Galat	60	419.69	6.99		
Total	90	2095.32			

FK 21868.4  
 1  
 kk 17.53

Ket : \*\* sangat nyata  
 \* nyata  
 tn tidak nyata

### Lampiran 8. Uji Jarak Duncan

SY	1.25																				
P	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
SSR 0,01	3.76	3.92	4.03	4.12	4.17	4.23	4.27	4.31	4.34	4.36	4.39	4.41	4.44	4.45	4.47	4.48	4.50	4.51	4.53	4.55	
LSR0,01	4.69	4.89	5.02	5.14	5.20	5.27	5.32	5.37	5.41	5.44	5.47	5.50	5.54	5.55	5.57	5.59	5.61	5.62	5.65	5.67	
Perlakuan	P0	P8	P27	P17	P20	P22	P30	P4	P5	P13	P14	P10	P16	P28	P24	P21	P9	P15	P23	P6	P12
Rataan	7.10	7.55	8.07	9.40	9.67	9.83	10.00	10.70	10.93	11.00	11.67	13.33	13.53	14.44	14.67	14.83	15.05	15.27	15.57	16.89	17.13

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**Lampiran 5.**Data Intensitas Serangan *C. Gloeosporioides* Pada Pengamatan III (6 hsi)

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
P0	12.00	15.00	10.00	37.00	12.33
P1	25.00	25.00	28.50	78.50	26.17
P2	25.00	26.00	30.00	81.00	27.00
P3	18.90	24.500	30.00	73.40	24.47
P4	10.00	15.00	14.00	39.00	13.00
P5	15.00	16.50	14.60	46.10	15.37
P6	20.00	17.70	20.00	57.70	19.23
P7	24.34	25.00	24.67	74.01	24.67
P8	15.00	15.00	15.00	45.00	15.00
P9	15.00	20.00	23.50	58.50	19.50
P10	15.00	16.00	20.50	51.50	17.17
P11	20.00	25.00	25.00	70.00	23.33
P12	20.00	26.40	25.80	72.20	24.07
P13	10.00	15.00	13.00	38.00	12.67
P14	10.00	13.00	15.00	38.00	12.67
P15	15.00	20.00	23.00	58.00	19.33
P16	15.00	16.87	23.60	55.47	18.49
P17	13.50	15.00	15.00	43.50	14.50
P18	25.00	25.00	28.00	78.00	26.00
P19	28.80	27.90	25.00	81.70	27.23
P20	15.00	14.50	15.00	44.50	14.83
P21	15.00	16.50	15.00	46.50	15.50
P22	10.00	15.00	15.00	40.00	13.33
P23	20.00	20.00	20.00	60.00	20.00
P24	20.00	20.00	20.00	60.00	20.00
P25	28.00	30.00	34.50	92.50	30.83
P26	20.00	24.50	25.00	69.50	23.17
P27	10.00	15.00	15.00	40.00	13.33
P28	18.90	19.00	20.00	57.90	19.30
P29	25.00	25.00	25.00	75.00	25.00
P30	15.00	16.00	18.60	49.60	16.53
Total	549.44	615.37	647.27	1812.08	
Rataan	17.72	19.85	20.88		19.48



Daftar Sidik Ragam

SK	db	JK	KT	Fhit		F0.01	F0.05
Perlakuan	30	1345.77	44.86	6.63	**	2.05	1.66
Galat	60	405.79	6.76				
Total	90	1751.56					

FK	36484.82	Ket :	**	sangat nyata
kk	13.35		*	nyata
Uji Jarak Duncan			tn	tidak nyata

Lampiran 11. Uji Jarak Duncan

SY	1,23																				
P	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
SSR 0,01	3.76	3.92	4.03	4.12	4.17	4.23	4.27	4.31	4.34	4.36	4.39	4.41	4.44	4.45	4.47	4.48	4.50	4.51	4.53	4.55	
LSR0,01	4.61	4.81	4.94	5.05	5.11	5.19	5.23	5.28	5.32	5.35	5.38	5.41	5.44	5.46	5.48	5.49	5.52	5.53	5.55	5.58	
Perlakuan	P0	P13	P14	P4	P22	P27	P17	P20	P8	P21	P5	P30	P10	P7	P16	P28	P6	P15	P9	P23	P24
Rataan	12.33	12.67	12.6	13.0	13.3	13.33	14.50	14.83	15.00	15.50	15.37	16.53	17.17	18.29	18.49	19.30	19.23	19.33	19.50	20.00	20.00

**Lampiran 6.**Data Intensitas Serangan *C. Gloeosporioides* Pada Pengamatan IV (8 hsi)

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
P0	40.67	40.00	25.00	105.67	35.22
P1	30.00	35.00	36.70	101.70	33.90
P2	40.00	45.00	50.00	135.00	45.00
P3	25.00	30.000	50.00	105.00	35.00
P4	25.00	30.00	35.00	90.00	30.00
P5	30.00	35.00	36.00	101.00	33.67
P6	40.00	45.00	50.00	135.00	45.00
P7	60.00	60.00	50.00	170.00	56.67
P8	25.00	25.00	30.00	80.00	26.67
P9	25.00	30.00	50.00	105.00	35.00
P10	25.00	30.00	35.00	90.00	30.00
P11	50.00	70.00	60.00	180.00	60.00
P12	40.00	45.00	50.00	135.00	45.00
P13	30.00	45.00	50.00	125.00	41.67
P14	45.00	35.00	45.00	125.00	41.67
P15	30.00	50.00	60.00	140.00	46.67
P16	40.00	50.00	60.00	150.00	50.00
P17	35.00	50.00	58.00	143.00	47.67
P18	50.00	70.00	90.00	210.00	70.00
P19	50.00	67.00	80.00	197.00	65.67
P20	40.00	45.00	50.00	135.00	45.00
P21	45.00	59.00	60.00	164.00	54.67
P22	30.00	48.00	50.00	128.00	42.67
P23	45.00	50.00	50.00	145.00	48.33
P24	60.00	50.00	80.00	190.00	63.33
P25	50.00	60.00	90.00	200.00	66.67
P26	50.00	65.00	70.00	185.00	61.67
P27	100.00	100.00	90.00	290.00	96.67
P28	50.00	45.00	70.00	165.00	55.00
P29	67.00	95.00	100.00	262.00	87.33
P30	45.00	50.00	60.00	155.00	51.67
Total	1317.67	1554.00	1770.70	4642.37	
Rataan	42.51	50.13	57.12		49.92

**Lampiran 7.**Data Intensitas Serangan (%) *C. Gloeosporioides* 8 hsi Transformasi Arcsin Vx

Perlakuan	Ulangan			Total	Rataan
	I	II	III		
P0	39.62	39.23	30.00	108.85	36.28
P1	33.21	36.27	37.29	106.77	35.59
P2	39.23	42.13	45.00	126.36	42.12
P3	30.00	33.21	45.00	108.21	36.07
P4	30.00	33.21	36.27	99.48	33.16
P5	33.21	36.27	36.87	106.35	35.45
P6	39.23	42.13	45.00	126.36	42.12
P7	50.77	50.77	45.00	146.54	48.85
P8	30.00	30.00	33.21	93.21	31.07
P9	30.00	33.21	45.00	108.21	36.07
P10	30.00	33.21	36.27	99.48	33.16
P11	45.00	56.79	50.77	152.56	50.85
P12	39.23	42.13	45.00	126.36	42.12
P13	33.21	42.13	45.00	120.34	40.11
P14	42.13	36.27	42.13	120.53	40.18
P15	33.21	45.00	50.77	128.98	42.99
P16	39.23	45.00	50.77	135.00	45.00
P17	36.27	45.00	49.60	130.87	43.62
P18	45.00	56.79	71.57	173.35	57.78
P19	45.00	54.94	63.43	163.37	54.46
P20	39.23	42.13	45.00	126.36	42.12
P21	42.13	50.18	50.77	143.08	47.69
P22	33.21	43.85	45.00	122.06	40.69
P23	42.13	45.00	45.00	132.13	44.04
P24	50.77	45.00	63.43	159.20	53.07
P25	45.00	50.77	71.57	167.33	55.78
P26	45.00	53.73	56.79	155.52	51.84
P27	90.00	90.00	71.57	251.57	83.86
P28	45.00	42.13	56.79	143.92	47.97
P29	54.94	77.08	90.00	222.02	74.01
P30	42.13	45.00	50.77	137.90	45.97
Total	1273.10	1418.57	1550.63	4242.30	
Rataan	41.07	45.76	50.02		45.62

Daftar Sidik Ragam

SK	db	JK	KT	Fhit		F0.01	F0.05
Perlakuan	30	5194.08	173.14	3.18	**	2.05	1.66
Galat	60	3266.14	54.44				
Total	89	8460.22					

FK 199968.26  
kk 16.17

Ket : \*\* sangat nyata  
\* nyata  
tn tidak nyata

Lampiran 15. Uji Jarak Duncan

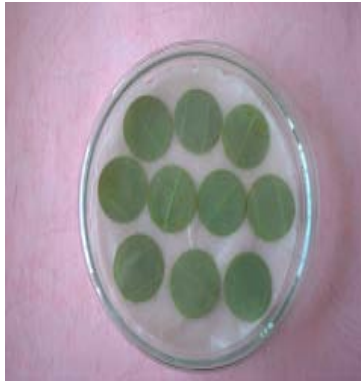
SY	3.48																				
P	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
SSR 0,01	3.76	3.92	4.03	4.12	4.17	4.23	4.27	4.31	4.34	4.36	4.39	4.41	4.44	4.45	4.47	4.48	4.50	4.51	4.53	4.54	
LSR0,01	13.08	13.6	14.02	14.33	14.5	14.7	14.85	14.99	15.09	15.16	15.27	15.3	15.4	15.48	15.55	15.58	15.65	15.69	15.76	15.8	
Perlakuan	P8	P4	P10	P5	P1	P3	P9	P0	P13	P14	P22	P2	P6	P12	P20	P15	P17	P23	P16	P30	P2
Rataan	31.07	33.16	33.1	35.4	35.59	36.07	36.07	36.28	40.11	40.18	40.69	42.12	42.1	42.12	42.12	42.99	43.62	44.04	45.00	45.97	47.0

B

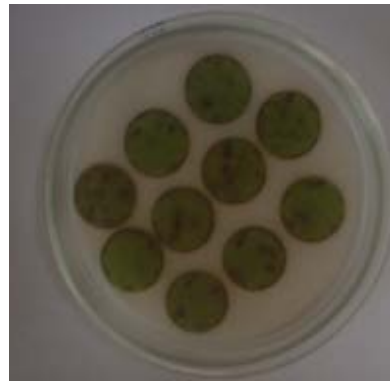
C

## Lampiran 8

Gambar skala bercak serangan *C. Gloeosporioides* pada cakram daun



Skala 0



Skala 1



Skala 2



Skala 3



Skala 4

## Lampiran 9

Gambar cakram daun

