**Rancangan Penelitian**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Kode** | **Fase**  **Planlet** | | **Aqua RO** | **MS** | | **Agar**  **Teknis** | **Gula** | | **BAP** | **IBA** | | ***Cefo***  ***taxime*** | |
| **F1M1** | Tunas | | 1.000 ml | 4.43 gr | | 6 gr | 30 gr | | - | - | | - | |
| **F2M1** | Akar | | 1.000 ml | 4.43 gr | | 6 gr | 30 gr | | - | - | | - | |
| **F1M2** | Tunas | | 1.000 ml | 4.43 gr | | 6 gr | 30 gr | | 1.5 ppm | - | | - | |
| **F2M2** | Akar | | 1.000 ml | 4.43 gr | | 6 gr | 30 gr | | - | 1 ppm | | 1 ppm | |
|  | |  | | | | | | | | | | |
| **Ulangan** | | **Perlakuan** | | | | | | | | | | |
| **F1M1** | | | **F2M1** | | | **F1M2** | | | **F2M2** | |
| **a** | | F1M1(a) | | | F2M1(a) | | | F1M2(a) | | | F2M2(a) | |
| **b** | | F1M1(b) | | | F2M1(b) | | | F1M2(b) | | | F2M2(b) | |
| **c** | | F1M1(c) | | | F2M1(c) | | | F1M2(c) | | | F2M2(c) | |
| **d** | | F1M1(d) | | | F2M1(d) | | | F1M2(d) | | | F2M2(d) | |
| **e** | | F1M1(e) | | | F2M1(e) | | | F1M2(e) | | | F2M2(e) | |
| **f** | | F1M1(f) | | | F2M1(f) | | | F1M2(f) | | | F2M2(f) | |

**Hasil Pengamatan**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Kode** | **Fase Planlet** | **Hari Pengamatan Muncul Kontaminasi** | | | | | | | **Jumlah** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| **F1M1** | Tunas | - | - | 1 | - | - | - | - | 1 |
| **F2M1** | Akar | - | - | - | - | - | - | - | 0 |
| **F1M2** | Tunas | - | - | 1 | 2 | - | - | - | 3 |
| **F2M2** | Akar | - | - | - | - | - | - | - | 0 |

Persentase Kontaminasi Total: 16,67%

**Hasil Identifikasi**



|  |  |  |  |
| --- | --- | --- | --- |
|  | Ai | Ai | Botol 1 - Sampel 1  F1M1 (Media Dasar + Tunas)  ***Aspergillus flavus***   * Hifa tidak bersekat * Ujung spora besar * Konidia tidak bercabang * Berwarna kuning * Koloninya membentuk zona-zona |
|  | Bi | Bi | Botol 1 - Sampel 2  F1M1 (Media Dasar + Tunas)  ***Aspergillus niger***   * Hifa tidak bersekat * Ujung spora hitam besar * Konidia tidak bercabang * Berwarna semula putih kemudian menghitam berserabut * Koloninya membentuk zona-zona |
|  | Ci | Ci | Botol 1 - Sampel 3  F1M1 (Media Dasar + Tunas)  ***Rhizoctonia solani***   * Hifa bersekat * Tidak memproduksi spora * Percabangan membentuk 90O * Warna semula putih kemudian kehitaman |
|  | Di  DDi | Di  DDi | Botol 2 - Sampel 4  F1M2 (Media Hormon + Tunas)  ***Aspergillus flavus***   * Hifa tidak bersekat * Ujung spora besar * Konidia tidak bercabang * Berwarna hijau * Koloninya membentuk zona-zona |
|  | Ei | Ei | Botol 3 - Sampel 5  F1M2 (Media Hormon + Tunas)  ***Aspergillus fumigatus***   * Hifa tidak bersekat * Spora berwarna hitam * Percabangan meruncing * Warna semula putih kemudian kehijauan * Bertekstur halus seperti kapas |
|  | Fi | Fi | Botol 4 - Sampel 6  F1M2 (Media Hormon + Tunas)  ***Rhizopus* sp.**   * Hifa tidak bersekat * Spora berwarna transparan * Warna putih halus seperti kapas * Warna dasar/bagian bawah merah |