LAMPIRAN

Lampiran I. Perhitungan Komponen Pembuatan Medium VW (200 ml) dengan Penambahan ZPT.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Komponen Medium</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>VW</td>
</tr>
<tr>
<td>P + 0 mg/l TDZ</td>
<td>0,334 gram</td>
</tr>
<tr>
<td>P + 0,5 mg/l TDZ</td>
<td>0,334 gram</td>
</tr>
<tr>
<td>P + 1 mg/l TDZ</td>
<td>0,334 gram</td>
</tr>
<tr>
<td>T + 0 mg/l TDZ</td>
<td>0,334 gram</td>
</tr>
<tr>
<td>T + 0,5 mg/l TDZ</td>
<td>0,334 gram</td>
</tr>
<tr>
<td>T + 1 mg/l TDZ</td>
<td>0,334 gram</td>
</tr>
</tbody>
</table>
Lampiran II. *Layout Penelitian*

<table>
<thead>
<tr>
<th></th>
<th>P1  (1)</th>
<th>T2  (3)</th>
<th>P2  (9)</th>
<th>T2  (8)</th>
<th>T2  (4)</th>
<th>T3  (6)</th>
<th>T3  (4)</th>
<th>P3  (1)</th>
<th>P1  (5)</th>
<th>T3  (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1  (2)</td>
<td>P2  (2)</td>
<td>P1  (3)</td>
<td>T1  (1)</td>
<td>P3  (5)</td>
<td>T1  (2)</td>
<td>P2  (5)</td>
<td>T3  (5)</td>
<td>P3  (2)</td>
<td>T1  (6)</td>
<td></td>
</tr>
<tr>
<td>P3  (8)</td>
<td>T1  (7)</td>
<td>T1  (4)</td>
<td>P3  (6)</td>
<td>T2  (1)</td>
<td>P3  (7)</td>
<td>P1  (9)</td>
<td>T2  (2)</td>
<td>P1  (8)</td>
<td>P1  (4)</td>
<td></td>
</tr>
<tr>
<td>T3  (10)</td>
<td>P3  (4)</td>
<td>T1  (9)</td>
<td>P1  (6)</td>
<td>T3  (7)</td>
<td>T2  (9)</td>
<td>T3  (3)</td>
<td>P1  (10)</td>
<td>P3  (10)</td>
<td>T3  (1)</td>
<td></td>
</tr>
<tr>
<td>T2  (7)</td>
<td>P2  (1)</td>
<td>T1  (3)</td>
<td>P3  (3)</td>
<td>P2  (3)</td>
<td>T3  (8)</td>
<td>P2  (7)</td>
<td>P1  (7)</td>
<td>P2  (6)</td>
<td>P2  (8)</td>
<td></td>
</tr>
<tr>
<td>P2  (4)</td>
<td>T1  (5)</td>
<td>T1  (8)</td>
<td>T2  (10)</td>
<td>T2  (6)</td>
<td>P2  (10)</td>
<td>T1  (10)</td>
<td>P3  (9)</td>
<td>T3  (9)</td>
<td>T2  (5)</td>
<td></td>
</tr>
</tbody>
</table>

Keterangan:
- P1 = PLB + 0 mg/l TDZ
- P2 = PLB + 0,5 mg/l TDZ
- P3 = PLB + 1 mg/l TDZ
- T1 = Tunas + 0 mg/l TDZ
- T2 = Tunas + 0,5 mg/l TDZ
- T3 = Tunas + 1 mg/l TDZ
Lampiran III. Tabel Kandungan Medium VW

<table>
<thead>
<tr>
<th>Unsur</th>
<th>Komponen</th>
<th>mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Makro</td>
<td>(Ca_3(PO_4)_2)</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>KNO(_3)</td>
<td>525</td>
</tr>
<tr>
<td></td>
<td>(KH_2PO_4)</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>((NH_4)_2\cdot SO_4)</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>MgSO(_4), 7H(_2)O</td>
<td>250</td>
</tr>
<tr>
<td>Mikro</td>
<td>MnSO(_4) 4 H(_2)O</td>
<td>7,5</td>
</tr>
<tr>
<td></td>
<td>Fe(_2)(C(_6)H(_3)O(_6))(_3) 2H(_2)O</td>
<td>28</td>
</tr>
</tbody>
</table>

Sumber: George & Sherington 1984
Lampiran IV. Persiapan ZPT dan Medium VW

| P1 | Media VW + 1 ml NAA + 0,1 PPM + 0,04 arang aktif + aquadest hingga volume larutan menjadi 200 ml + 0 ml TDZ, kemudian digunakan untuk satu kali ulangan (10 botol). |
| P2 | Media VW + 1 ml NAA + 0,1 PPM + 0,04 arang aktif + aquadest hingga volume larutan menjadi 199 ml + 1 ml TDZ, kemudian digunakan untuk satu kali ulangan (10 botol). |
| P3 | Media VW + 1 ml NAA + 0,1 PPM + 0,04 arang aktif + aquadest hingga volume larutan menjadi 198 ml + 2 ml TDZ, kemudian digunakan untuk satu kali ulangan (10 botol). |
| T1 | Media VW + 1 ml NAA + 0,1 PPM + 0,04 arang aktif + aquadest hingga volume larutan menjadi 200 ml + 0 ml TDZ, kemudian digunakan untuk satu kali ulangan (10 botol). |
| T2 | Media VW + 1 ml NAA + 0,1 PPM + 0,04 arang aktif + aquadest hingga volume larutan menjadi 199 ml + 1 ml TDZ, kemudian digunakan untuk satu kali ulangan (10 botol). |
| T3 | Media VW + 1 ml NAA + 0,1 PPM + 0,04 arang aktif + aquadest hingga volume larutan menjadi 198 ml + 2 ml TDZ, kemudian digunakan untuk satu kali ulangan (10 botol). |
### Lampiran V. Tabel sidik ragam (ANOVA)

#### a. Diameter PLB

<table>
<thead>
<tr>
<th>Sumber</th>
<th>DB</th>
<th>Jumlah Kuadrat</th>
<th>Kuadrat Tengah</th>
<th>F Hitung</th>
<th>Pr&gt;F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>2</td>
<td>0,344000000</td>
<td>0,172000000</td>
<td>0,21</td>
<td>0,8113ns</td>
</tr>
<tr>
<td>Perlakuan</td>
<td>2</td>
<td>0,344000000</td>
<td>0,172000000</td>
<td>0,21</td>
<td>0,8113ns</td>
</tr>
<tr>
<td>Galat</td>
<td>27</td>
<td>22,036000000</td>
<td>0,81614815</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>29</td>
<td>22,380000000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan:
- **ns**: tidak ada beda nyata
- **s**: ada beda nyata

#### b. Tinggi Tunas

<table>
<thead>
<tr>
<th>Sumber</th>
<th>DB</th>
<th>Jumlah Kuadrat</th>
<th>Kuadrat Tengah</th>
<th>F Hitung</th>
<th>Pr&gt;F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>2</td>
<td>0,050000000</td>
<td>0,025000000</td>
<td>0,38</td>
<td>0,6894ns</td>
</tr>
<tr>
<td>Perlakuan</td>
<td>2</td>
<td>0,050000000</td>
<td>0,025000000</td>
<td>0,38</td>
<td>0,6894ns</td>
</tr>
<tr>
<td>Galat</td>
<td>27</td>
<td>1,790000000</td>
<td>0,06629630</td>
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<td></td>
</tr>
<tr>
<td>Total</td>
<td>29</td>
<td>1,840000000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan:
- **ns**: tidak ada beda nyata
- **s**: ada beda nyata

#### c. Jumlah Tunas

<table>
<thead>
<tr>
<th>Sumber</th>
<th>DB</th>
<th>Jumlah Kuadrat</th>
<th>Kuadrat Tengah</th>
<th>F Hitung</th>
<th>Pr&gt;F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>2</td>
<td>1,666666667</td>
<td>0,833333333</td>
<td>0,64</td>
<td>0,5336ns</td>
</tr>
<tr>
<td>Perlakuan</td>
<td>2</td>
<td>1,666666667</td>
<td>0,833333333</td>
<td>0,64</td>
<td>0,5336ns</td>
</tr>
<tr>
<td>Galat</td>
<td>27</td>
<td>35,000000000</td>
<td>1,29629630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>29</td>
<td>36,666666667</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan:
- **ns**: tidak ada beda nyata
- **s**: ada beda nyata
### d. Waktu Muncul Tunas

<table>
<thead>
<tr>
<th>Sumber</th>
<th>DB</th>
<th>Jumlah Kuadrat</th>
<th>Kuadrat Tengah</th>
<th>F Hitung</th>
<th>Pr&gt;F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>2</td>
<td>29,6000000</td>
<td>14,8000000</td>
<td>2,37</td>
<td>0,1128ns</td>
</tr>
<tr>
<td>Perlakuan</td>
<td>2</td>
<td>29,60000000</td>
<td>14,80000000</td>
<td>2,37</td>
<td>0,1128ns</td>
</tr>
<tr>
<td>Galat</td>
<td>27</td>
<td>168,700000</td>
<td>6,2481481</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>29</td>
<td>198,300000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sumber</th>
<th>DB</th>
<th>Jumlah Kuadrat</th>
<th>Kuadrat Tengah</th>
<th>F Hitung</th>
<th>Pr&gt;F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
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<td>0,00000000</td>
<td>0,00000000</td>
<td>0,00</td>
<td>0,00</td>
</tr>
<tr>
<td>Perlakuan</td>
<td>2</td>
<td>0,00000000</td>
<td>0,00000000</td>
<td>0,00</td>
<td>0,00</td>
</tr>
<tr>
<td>Galat</td>
<td>27</td>
<td>0,00000000</td>
<td>0,00000000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>29</td>
<td>0,00000000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan :
- **ns** : tidak ada beda nyata
- **s** : ada beda nyata
Lampiran VI. Tabel Persentase Eksplan Hidup, Persentase *Browning* dan Persentase Kontaminasi

a. **Persentase Eksplan Hidup (%)**

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Persentase Eksplan Hidup (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB + 0 mg/l TDZ</td>
<td>100</td>
</tr>
<tr>
<td>PLB + 0,5 mg/l TDZ</td>
<td>80</td>
</tr>
<tr>
<td>PLB + 1 mg/l TDZ</td>
<td>100</td>
</tr>
<tr>
<td>Tunas + 0 mg/l TDZ</td>
<td>20</td>
</tr>
<tr>
<td>Tunas + 0,5 mg/l TDZ</td>
<td>10</td>
</tr>
<tr>
<td>Tunas + 1 mg/l TDZ</td>
<td>20</td>
</tr>
</tbody>
</table>

b. **Persentase Eksplan *Browning* (%)**

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Persentase Eksplan <em>Browning</em> (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB + 0 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>PLB + 0,5 mg/l TDZ</td>
<td>20</td>
</tr>
<tr>
<td>PLB + 1 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>Tunas + 0 mg/l TDZ</td>
<td>80</td>
</tr>
<tr>
<td>Tunas + 0,5 mg/l TDZ</td>
<td>90</td>
</tr>
<tr>
<td>Tunas + 1 mg/l TDZ</td>
<td>80</td>
</tr>
</tbody>
</table>

c. **Persentase Eksplan Kontaminasi (%)**

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Persentase Eksplan Kontaminasi (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB + 0 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>PLB + 0,5 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>PLB + 1 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>Tunas + 0 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>Tunas + 0,5 mg/l TDZ</td>
<td>0</td>
</tr>
<tr>
<td>Tunas + 1 mg/l TDZ</td>
<td>0</td>
</tr>
</tbody>
</table>
Lampiran VII. Dokumentasi hasil pengamatan Kombinasi Eksplan PLB – Tunas dan Konsentrasi TDZ pada 1 dan 12 MST

a. Minggu ke-1

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLB + 0 mg/l TDZ + 0.5 mg/l NAA</td>
<td><img src="image1.png" alt="Image 1" /></td>
<td><img src="image2.png" alt="Image 2" /></td>
<td><img src="image3.png" alt="Image 3" /></td>
</tr>
<tr>
<td>PLB + 0.5 mg/l TDZ + 0.5 mg/l NAA</td>
<td><img src="image4.png" alt="Image 4" /></td>
<td><img src="image5.png" alt="Image 5" /></td>
<td><img src="image6.png" alt="Image 6" /></td>
</tr>
<tr>
<td>PLB + 1 mg/l TDZ + 0.5 mg/l NAA</td>
<td><img src="image7.png" alt="Image 7" /></td>
<td><img src="image8.png" alt="Image 8" /></td>
<td><img src="image9.png" alt="Image 9" /></td>
</tr>
<tr>
<td>Tunas + 0 mg/l TDZ + 0.5 mg/l NAA</td>
<td><img src="image10.png" alt="Image 10" /></td>
<td><img src="image11.png" alt="Image 11" /></td>
<td><img src="image12.png" alt="Image 12" /></td>
</tr>
<tr>
<td>Tunas + 0.5 mg/l TDZ + 0.5 mg/l NAA</td>
<td><img src="image13.png" alt="Image 13" /></td>
<td><img src="image14.png" alt="Image 14" /></td>
<td><img src="image15.png" alt="Image 15" /></td>
</tr>
<tr>
<td>Tunas + 1 mg/l TDZ + 0.5 mg/l NAA</td>
<td><img src="image16.png" alt="Image 16" /></td>
<td><img src="image17.png" alt="Image 17" /></td>
<td><img src="image18.png" alt="Image 18" /></td>
</tr>
</tbody>
</table>
b. Minggu ke-12

- PLB + 0 mg/l TDZ + 0,5 mg/l NAA
- PLB + 0,5 mg/l TDZ + 0,5 mg/l NAA
- PLB + 1 mg/l TDZ + 0,5 mg/l NAA

- Tunas + 0 mg/l TDZ + 0,5 mg/l NAA
- Tunas + 0,5 mg/l TDZ + 0,5 mg/l NAA
- Tunas + 1 mg/l TDZ + 0,5 mg/l NAA