DAFTAR LAMPIRAN

Lampiran 1. Data Tinggi Tanaman (cm) 2 MST

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Lampiran 2. Analisis Sidik Ragam Tinggi Tanaman 2 MST

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Universitas Sumatera Utara
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Rataan: 1553,78 1555,111111 1365,555556 1491,48

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Lampiran 16. Analisis Sidik Ragam Jumlah Anakan Per Plot 8 MST

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KK = 19%

Lampiran 17. Data Akhir Jumlah malai per plot (batang)

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<td>J3</td>
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<td>132</td>
<td>132</td>
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<tr>
<td>J4</td>
<td>264</td>
<td>264</td>
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<td>378,333</td>
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Lampiran 18. Analisis Sidik Ragam Jumlah Malai Per plot

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KK = 51%
### Lampiran 19. Data Akhir Jumlah Biji Bernas Per plot (bulir)

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<td>16830</td>
<td>17732</td>
<td>16467</td>
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<td>34595</td>
<td>34034</td>
<td>42097</td>
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<td>44475</td>
<td>79850</td>
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<td>68967</td>
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### Lampiran 20. Analisis Sidik Ragam Jumlah Biji Bernas Per plot

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<td>2,51 3,70</td>
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KK = 52%

### Lampiran 21. Data Akhir Jumlah Biji Hampa Per plot (bulir)

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<td>J2</td>
<td>18528</td>
<td>17717</td>
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<td>J3</td>
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<td>11821</td>
<td>10978</td>
</tr>
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<td>J4</td>
<td>23063</td>
<td>22689</td>
<td>28065</td>
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<td>29650</td>
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<td>J8</td>
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<td>J9</td>
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Lampiran 22. Analisis Sidik Ragam Jumlah Biji Hampa Per plot

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KK = 52%

Lampiran 23. Data Akhir Bobot Per 1000 Gabah Kering (g)

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<td>26,47</td>
<td>26,47</td>
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<td>J3</td>
<td>26,07</td>
<td>26,28</td>
<td>25,74</td>
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<td>25,96</td>
<td>25,88</td>
<td>25,53</td>
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<td>26,08</td>
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Lampiran 24. Analisis Sidik Ragam Bobot Per 1000 Gabah Kering

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KK = 3%
### Lampiran 25. Data Akhir Bobot Gabah Bruto Kering (g)

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<td>III</td>
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<td>896,16</td>
<td>924,48</td>
<td>1994,40</td>
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<td>558,36</td>
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<td>1107,81</td>
<td>1101,21</td>
<td>1299,21</td>
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<td>2579,25</td>
<td>2427,75</td>
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### Lampiran 26. Analisis Sidik Ragam Bobot Gabah Bruto Kering

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KK = 48%

### Lampiran 27. Data Akhir Bobot Gabah Netto Kering (g)

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### Lampiran 28. Analisis Sidik Ragam Bobot Gabah Netto Kering

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KK = 52%

### Lampiran 29. Data Akhir Bobot Jerami Kering (g)

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<tr>
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</tr>
<tr>
<td>J2</td>
<td>2346</td>
<td>2830</td>
<td>5320</td>
</tr>
<tr>
<td>J3</td>
<td>2475</td>
<td>2684</td>
<td>2028</td>
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<tr>
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<td>J7</td>
<td>2272</td>
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<td>1821</td>
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### Lampiran 30. Analisis Sidik Ragam Bobot Jerami Kering

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<td>61267946,8</td>
<td>3603996,8</td>
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KK = 49%
### Lampiran 31. Deskripsi padi sawah varietas inpari 30 ciherang

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<td>Daun bendera</td>
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<td>Panjang ramping</td>
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</tr>
<tr>
<td>Tekstur nasi</td>
<td>Pulen</td>
</tr>
<tr>
<td>Kadar amilosa</td>
<td>± 22,4 %</td>
</tr>
<tr>
<td>Bobot 1000 butir</td>
<td>27 gram</td>
</tr>
<tr>
<td>Rata-rata hasil</td>
<td>7,2 ton/ha</td>
</tr>
<tr>
<td>Potensi hasil</td>
<td>9,6 ton/ha</td>
</tr>
<tr>
<td>Ketahan terhadap</td>
<td></td>
</tr>
<tr>
<td>Hama</td>
<td>Agak rentan terhadap wereng cokelat biotipe 1 dan 2. Rentan terhadap biotipe 3</td>
</tr>
<tr>
<td>penyakit</td>
<td>Agak rentan terhadap bakteri hawar daun bakteri patotipe III. Rentan terhadap patotipe IV dan VIII strain IV</td>
</tr>
<tr>
<td>Anjuran tanam</td>
<td>Cocok untuk ditanam disawah irigasi dataran rendah sampai ketinggian 400 m dpl didaerah luapan sungai, cekungan, dan rawan banjir lainnya dengan rendaman keseluruhan fase vegetative selama 15 hari</td>
</tr>
<tr>
<td>Pemulia</td>
<td>Yudhistira Nugraha, Supartopo, Nurul Hidayatun, Endang Septiningsih (IRRI), Alfaro Pamplona (IRRI), dan David J Mackill (IRRI)</td>
</tr>
<tr>
<td>Tahun lepas</td>
<td>2012</td>
</tr>
</tbody>
</table>

Universitas Sumatera Utara
Lampiran 32. Bagan percobaan tanaman padi (*Oryza sativa* L.)
Lampiran 33. Perhitungan dosis pupuk

Rataan hasil gabah dan jerami Husein (2013)
Jumlah bibit per rumpun dan umur bibit

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Hasil (gram)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Jerami</td>
<td>Gabah</td>
</tr>
<tr>
<td>B1U0</td>
<td>224.58</td>
<td>127.85</td>
</tr>
<tr>
<td>B1U1</td>
<td>202.36</td>
<td>151.19</td>
</tr>
<tr>
<td>B1U2</td>
<td>221.32</td>
<td>147.29</td>
</tr>
<tr>
<td>B1U3</td>
<td>220.55</td>
<td>154.91</td>
</tr>
<tr>
<td>B2U0</td>
<td>243.12</td>
<td>151.81</td>
</tr>
<tr>
<td>B2U1</td>
<td>255.71</td>
<td>150.3</td>
</tr>
<tr>
<td>B2U2</td>
<td>238.2</td>
<td>134.56</td>
</tr>
<tr>
<td>B2U3</td>
<td>246.47</td>
<td>151.24</td>
</tr>
<tr>
<td>B3U0</td>
<td>250.66</td>
<td>138.86</td>
</tr>
<tr>
<td>B3U1</td>
<td>202.34</td>
<td>117.73</td>
</tr>
<tr>
<td>B3U2</td>
<td>225.82</td>
<td>161.92</td>
</tr>
<tr>
<td>B3U3</td>
<td>221.24</td>
<td>141.74</td>
</tr>
<tr>
<td>Total</td>
<td>2752.37</td>
<td>1729.4</td>
</tr>
<tr>
<td>Rataan</td>
<td>229.3642</td>
<td>144.1167</td>
</tr>
</tbody>
</table>

Untuk mengetahui hara yang hilang akibat panenan Jerami maka dipakai rumus:

\[
\frac{\text{Target produksi}}{\text{Rataan hasil gabah}} \times \text{Rataan jerami}
\]

Maka, Untuk target produksi 7,5 ton diperoleh hasil Jerami = 11936,4 Kg
Gabah = 7500 Kg

Untuk target produksi 10 ton diperoleh hasil Jerami = 15915,2 Kg
Gabah = 10000 Kg

Untuk target produksi 12,5 ton diperoleh hasil Jerami = 19894 Kg
Gabah = 12500 Kg

Untuk target produksi 15 ton diperoleh hasil Jerami = 23872,8 Kg
Gabah = 15000 Kg
Analisis unsur hara tanaman padi yang hilang akibat panenan (jerami dan bulir) dapat dilihat pada tabel di bawah ini:

<table>
<thead>
<tr>
<th>Nutrient Element</th>
<th>Mineral Concentration in Straw (%)</th>
<th>Mineral Concentration in Grain (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>0.53</td>
<td>1.09</td>
</tr>
<tr>
<td>P</td>
<td>0.08</td>
<td>0.2</td>
</tr>
<tr>
<td>K</td>
<td>1.36</td>
<td>0.31</td>
</tr>
<tr>
<td>Mg</td>
<td>0.26</td>
<td>0.11</td>
</tr>
</tbody>
</table>

Sumber, De Datta (1981)

Jadi, cara menghitung dosis pupuk dalam penelitian ini dipakai rumus:

1. Jerami = \( \frac{\text{hasil jerami}}{\text{har terangkut jerami}} \cdot \frac{\text{Luas lahan/Ha}}{\text{Lahan tanaman}} \times \% \text{kandungan hara} \)

2. Gabah = \( \frac{\text{hasil gabah}}{\text{har terangkut gabah}} \cdot \frac{\text{Luas lahan/Ha}}{\text{Lahan tanaman}} \times \% \text{kandungan hara} \)

Produksi 10 ton/ha

- **Urea**

  \( \text{N Jerami} = \frac{159152 \times 0.53}{100} \cdot \left( \frac{10,000}{9.5 \times 13.5} \right) \cdot 1,000 \cdot \left( \frac{100}{45} \right) = 2,403 \text{ g} \)

  \( \text{N Gabah} = \frac{159152 \times 1.09}{100} \cdot \left( \frac{10,000}{9.5 \times 13.5} \right) \cdot 1,000 \cdot \left( \frac{100}{45} \right) = 3,106 \text{ g} \)

  Total : \( 5,509 \text{ g urea/lahan} \)

- **SP-36**

  \( \text{P Jerami} = \frac{159152 \times 0.08}{100} \cdot \left( \frac{10,000}{9.5 \times 13.5} \right) \cdot 1,000 \cdot \left( \frac{100}{36} \right) \cdot \left( \frac{100}{44} \right) = 1,030 \text{ g} \)

  \( \text{P Gabah} = \frac{159152 \times 0.20}{100} \cdot \left( \frac{10,000}{9.5 \times 13.5} \right) \cdot 1,000 \cdot \left( \frac{100}{36} \right) \cdot \left( \frac{100}{44} \right) = 1,619 \text{ g} \)

  Total : \( 2,649 \text{ g SP-36/lahan} \)

- **KCl**

  \( \text{K Jerami} = \frac{159152 \times 1.36}{100} \cdot \left( \frac{10,000}{9.5 \times 13.5} \right) \cdot 1,000 \cdot \left( \frac{100}{60} \right) \cdot \left( \frac{100}{83} \right) = 5,574 \text{ g} \)

  \( \text{K Gabah} = \frac{159152 \times 0.31}{100} \cdot \left( \frac{10,000}{9.5 \times 13.5} \right) \cdot 1,000 \cdot \left( \frac{100}{60} \right) \cdot \left( \frac{100}{83} \right) = 798,3 \text{ g} \)

  Total : \( 6,372,3 \text{ g KCl/lahan} \)
Dolomit (Mg)

Mg Jerami : \[
\frac{159.15 \times 0.26}{100} \cdot \left\{ \frac{10.000}{9.5 \times 13.5} \right\} \times 1.000 \times \left(\frac{100}{18}\right) \times \left(\frac{100}{60}\right) = 4.913 \text{ g}
\]

Mg Gabah : \[
\frac{159.15 \times 0.11}{100} \cdot \left\{ \frac{10.000}{9.5 \times 13.5} \right\} \times 1.000 \times \left(\frac{100}{18}\right) \times \left(\frac{100}{60}\right) = 1.306 \text{ g}
\]

Total : 6.219 g dolomit/laian

lampiran 34. Foto penelitian

Lahan penelitian

Media semai tanaman padi
Penanaman tanaman padi

Kondisi lahan pada perlakuan J1 (Disemai dengan jarak tanam 20 cm x 20 cm)
Kondisi lahan pada perlakuan J2 (Disemai dengan jarak tanam 25 cm x 25 cm)
Kondisi lahan pada perlakuan J3 (Disemai dengan jarak tanam 30 cm x 30 cm)
Kondisi lahan pada perlakuan J4 (Ditanam langsung dengan menyebar 33 benih padi/plot)
Kondisi lahan pada perlakuan J5 (Ditanam langsung dengan jarak tanam 20 cm x 20 cm)
Kondisi lahan pada perlakuan J6 (Ditanam langsung dengan jarak tanam 25 cm x 25 cm)
Kondisi lahan pada perlakuan J7 (Ditanam langsung dengan jarak tanam 30 cm x 30 cm)
Ulangan III

Kondisi lahan pada perlakuan J8 (Legowo 2:1, jarak barisan pinggir 10 cm, jarak antar barisan 20 cm, barisan kosong 40 cm, populasi 91 rumpun/plot)
Kondisi lahan pada perlakuan J9 (Legowo 4:1, jarak barisan pinggir 10 cm, jarak antar barisan 20 cm, barisan kosong 40 cm, populasi 104 rumpun/plot)
Ulangan III