LAMPIRAN
Keterangan:

\[ T_0 \] = Tanpa Olah Tanah
\[ T_1 \] = Olah Tanah Intensif

\[ M_0 \] = BBA 80 t ha\(^{-1}\) + tanpa mulsa bagas
\[ M_1 \] = BBA 80 t ha\(^{-1}\) + mulsa bagas 80 t ha\(^{-1}\)

Gambar 2. Tata Letak Percobaan di Lapangan
Reaksi kimia yang terjadi pada saat titrasi hasil pengukuran KOH di lapangan,
1. Reaksi pengikatan CO₂

$$2\text{KOH} + \text{CO}_2 \rightarrow \text{K}_2\text{CO}_3 + \text{H}_2\text{O}$$

2. Perubahan warna menjadi tidak berwarna (Fenolftalein)

$$\text{K}_2\text{CO}_3 + \text{HCl} \rightarrow \text{KCl} + \text{KHCO}_3$$

3. Perubahan warna kuning menjadi merah muda (metil orange)

$$\text{KHCO}_3 + \text{HCl} \rightarrow \text{KCl} + \text{H}_2\text{O} + \text{CO}_2$$

Atau 0,1 me HCl = 0,1 me CO₂ dari persamaan pada reaksi

1 mL 0,1 N HCl = 4,40 mg CO₂

= 1,20 mg C-CO₂/gram tanah

Tabel 5, Hasil Pengamatan pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap respirasi tanah (mg jam⁻¹ m⁻²) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Kelompok</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Total</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0M0</td>
<td></td>
<td>29,25</td>
<td>21,45</td>
<td>40,95</td>
<td>15,6</td>
<td>39</td>
<td>146,25</td>
<td>29,25</td>
</tr>
<tr>
<td>T0M1</td>
<td></td>
<td>44,85</td>
<td>19,5</td>
<td>29,25</td>
<td>29,25</td>
<td>21,45</td>
<td>144,3</td>
<td>28,86</td>
</tr>
<tr>
<td>T1M0</td>
<td></td>
<td>21,45</td>
<td>37,05</td>
<td>9,75</td>
<td>33,15</td>
<td>21,45</td>
<td>122,85</td>
<td>24,57</td>
</tr>
<tr>
<td>T1M1</td>
<td></td>
<td>13,65</td>
<td>23,4</td>
<td>21,45</td>
<td>35,1</td>
<td>23,4</td>
<td>117</td>
<td>23,4</td>
</tr>
</tbody>
</table>

Keterangan: t₀=Tanpa olah tanah; t₁=Olah tanah intensif; m₀= Tanpa mulsa; m₁= Mulsa
Tabel 6, Hasil uji homogenitas pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap respirasi tanah (mg jam\(^{-1}\) m\(^{-2}\)) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Db</th>
<th>1/db</th>
<th>Jk</th>
<th>S^2</th>
<th>Log S^2</th>
<th>Db*log S^2</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0M0</td>
<td>4</td>
<td>0,25</td>
<td>479,12</td>
<td>119,78</td>
<td>2,08</td>
<td>8,31</td>
</tr>
<tr>
<td>T0M1</td>
<td>4</td>
<td>0,25</td>
<td>398,50</td>
<td>99,63</td>
<td>2,00</td>
<td>7,99</td>
</tr>
<tr>
<td>T1M0</td>
<td>4</td>
<td>0,25</td>
<td>468,47</td>
<td>117,12</td>
<td>2,07</td>
<td>8,27</td>
</tr>
<tr>
<td>T1M1</td>
<td>4</td>
<td>0,25</td>
<td>235,76</td>
<td>58,94</td>
<td>1,77</td>
<td>7,08</td>
</tr>
<tr>
<td>Jumlah</td>
<td>16</td>
<td>1</td>
<td>1,581,85</td>
<td>395,46</td>
<td>7,92</td>
<td>31,66</td>
</tr>
</tbody>
</table>

\[ \chi^2_{\text{terkoreksi}} = 0,558 \text{ Homogen} \]

\[ \chi^2_{\text{tabel}} = 7,815 \]

Tabel 7, Hasil analisis ragam pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap respirasi tanah (mg jam\(^{-1}\) m\(^{-2}\)) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>SK</th>
<th>Db</th>
<th>JK</th>
<th>KT</th>
<th>F hitung</th>
<th>F Tabel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulangan</td>
<td>4</td>
<td>80,61</td>
<td>20,15</td>
<td>0,09(^{in})</td>
<td>6,39</td>
</tr>
<tr>
<td>Olah Tanah (T)</td>
<td>1</td>
<td>54,95</td>
<td>54,95</td>
<td>0,23(^{in})</td>
<td>7,71</td>
</tr>
<tr>
<td>Galat A</td>
<td>4</td>
<td>938,46</td>
<td>234,61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mulsa (M)</td>
<td>1</td>
<td>32,13</td>
<td>32,13</td>
<td>0,37(^{in})</td>
<td>5,32</td>
</tr>
<tr>
<td>T X M</td>
<td>1</td>
<td>23,01</td>
<td>23,01</td>
<td>0,26(^{in})</td>
<td>5,32</td>
</tr>
<tr>
<td>Galat B</td>
<td>8</td>
<td>699,66</td>
<td>87,46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>nonAditifitas</td>
<td>1</td>
<td>16,48</td>
<td>16,48</td>
<td>0,19(^{in})</td>
<td>5,32</td>
</tr>
<tr>
<td>Sisaan</td>
<td>7</td>
<td>683,18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>1,828,81</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: \(^{in}\) Tidak berbeda nyata pada taraf 5\% dan 1 \%
Tabel 8, Hasil pengamatan sistem olah tanah dan aplikasi mulsa bagas terhadap Respirasi tanah (mg jam\(^{-1}\) m\(^{-2}\)) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Kelompok</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0M0</td>
<td></td>
<td>25,35</td>
<td>17,55</td>
<td>23,4</td>
<td>13,65</td>
<td>23,4</td>
<td>103,35</td>
<td>20,67</td>
</tr>
<tr>
<td>T0M1</td>
<td></td>
<td>31,2</td>
<td>33,15</td>
<td>15,6</td>
<td>25,35</td>
<td>17,55</td>
<td>122,85</td>
<td>24,57</td>
</tr>
<tr>
<td>T1M0</td>
<td></td>
<td>13,65</td>
<td>23,4</td>
<td>17,55</td>
<td>29,25</td>
<td>17,55</td>
<td>101,4</td>
<td>20,28</td>
</tr>
<tr>
<td>T1M1</td>
<td></td>
<td>29,25</td>
<td>17,55</td>
<td>15,6</td>
<td>23,4</td>
<td>13,65</td>
<td>99,45</td>
<td>19,89</td>
</tr>
</tbody>
</table>

Keterangan: 
- \(t_0\) = Tanpa olah tanah; \(t_1\) = Olah tanah intensif; \(m_0\) = Tanpa mulsa; \(m_1\) = Mulsa

Tabel 9, Hasil uji homogenitas pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap respirasi tanah (mg jam\(^{-1}\) m\(^{-2}\)) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Db</th>
<th>I/ db</th>
<th>Jk</th>
<th>(S^2)</th>
<th>Log (S^2)</th>
<th>Db*log (S^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0M0</td>
<td>4</td>
<td>0,25</td>
<td>95,82</td>
<td>23,96</td>
<td>1,38</td>
<td>5,52</td>
</tr>
<tr>
<td>T0M1</td>
<td>4</td>
<td>0,25</td>
<td>247,92</td>
<td>61,98</td>
<td>1,79</td>
<td>7,17</td>
</tr>
<tr>
<td>T1M0</td>
<td>4</td>
<td>0,25</td>
<td>149,06</td>
<td>37,26</td>
<td>1,57</td>
<td>6,29</td>
</tr>
<tr>
<td>T1M1</td>
<td>4</td>
<td>0,25</td>
<td>162,75</td>
<td>40,69</td>
<td>1,61</td>
<td>6,44</td>
</tr>
<tr>
<td>Jumlah</td>
<td>16</td>
<td>1</td>
<td>S gab</td>
<td>163,89</td>
<td>6,35</td>
<td>25,41</td>
</tr>
</tbody>
</table>

\(X^2\) terkoreksi: 0,845 Homogen
\(X^2\) tabel: 7,815
Tabel 10, Hasil analisis ragam pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap respirasi tanah (mg jam\(^{-1}\) m\(^{-2}\)) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>SK</th>
<th>Db</th>
<th>JK</th>
<th>KT</th>
<th>F hitung</th>
<th>F Tabel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulangan</td>
<td>4</td>
<td>156,66</td>
<td>39,17</td>
<td>1,34(^{tn})</td>
<td>6,39</td>
</tr>
<tr>
<td>Olah Tanah (T)</td>
<td>1</td>
<td>32,13</td>
<td>32,13</td>
<td>1,10(^{tn})</td>
<td>7,71</td>
</tr>
<tr>
<td>Galat A</td>
<td>4</td>
<td>117,12</td>
<td>29,28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mulsa Bagas(M)</td>
<td>1</td>
<td>15,40</td>
<td>15,40</td>
<td>0,32(^{tn})</td>
<td>5,32</td>
</tr>
<tr>
<td>T X M</td>
<td>1</td>
<td>23,01</td>
<td>23,01</td>
<td>0,48(^{tn})</td>
<td>5,32</td>
</tr>
<tr>
<td>Galat B</td>
<td>8</td>
<td>381,77</td>
<td>47,72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>nonAditifitas</td>
<td>1</td>
<td>92,20</td>
<td>92,20</td>
<td>1,93(^{tn})</td>
<td>5,32</td>
</tr>
<tr>
<td>Sisaan</td>
<td>7</td>
<td>289,57</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>726,09</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: \(tn\) = Tidak berbeda nyata pada taraf 5% dan 1%

Tabel 11, Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap C-organik tanah (%) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>kelompok 1</th>
<th>kelompok 2</th>
<th>kelompok 3</th>
<th>kelompok 4</th>
<th>kelompok 5</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1M1</td>
<td>1,15</td>
<td>1,24</td>
<td>1,26</td>
<td>1,49</td>
<td>1,34</td>
<td>6,48</td>
<td>1,30</td>
</tr>
<tr>
<td>T1M0</td>
<td>1,34</td>
<td>1,05</td>
<td>1,04</td>
<td>1,32</td>
<td>1,24</td>
<td>5,99</td>
<td>1,20</td>
</tr>
<tr>
<td>T0M0</td>
<td>1,13</td>
<td>1,37</td>
<td>1,37</td>
<td>1,34</td>
<td>1,42</td>
<td>6,63</td>
<td>1,33</td>
</tr>
<tr>
<td>T0M1</td>
<td>1,69</td>
<td>1,58</td>
<td>1,32</td>
<td>1,63</td>
<td>1,17</td>
<td>7,39</td>
<td>1,48</td>
</tr>
</tbody>
</table>

Keterangan: \(t_0\)=Tanpa olah tanah; \(t_1\)=Olah tanah intensif; \(m_0\)= Tanpa mulsa; \(m_1\)= Mulsa

Tabel 12, Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap pH tanah(H\(_2\)O) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>kelompok 1</th>
<th>kelompok 2</th>
<th>kelompok 3</th>
<th>kelompok 4</th>
<th>kelompok 5</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1M1</td>
<td>5,58</td>
<td>5,47</td>
<td>5,19</td>
<td>5,54</td>
<td>5,22</td>
<td>27,00</td>
<td>5,40</td>
</tr>
<tr>
<td>T1M0</td>
<td>5,04</td>
<td>5,6</td>
<td>5,27</td>
<td>5,35</td>
<td>5,41</td>
<td>26,67</td>
<td>5,33</td>
</tr>
<tr>
<td>T0M0</td>
<td>5,37</td>
<td>5,63</td>
<td>5,46</td>
<td>5,44</td>
<td>5,28</td>
<td>27,18</td>
<td>5,44</td>
</tr>
<tr>
<td>T0M1</td>
<td>5,36</td>
<td>5,04</td>
<td>5,52</td>
<td>5,29</td>
<td>5,01</td>
<td>26,22</td>
<td>5,24</td>
</tr>
</tbody>
</table>

Keterangan: \(t_0\)=Tanpa olah tanah; \(t_1\)=Olah tanah intensif; \(m_0\)= Tanpa mulsa; \(m_1\)= Mulsa
Tabel 13. Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap suhu tanah (°C) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Kelompok</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1M1</td>
<td>29</td>
<td>26</td>
<td>26,5</td>
</tr>
<tr>
<td>T1M0</td>
<td>29,9</td>
<td>26,4</td>
<td>25,9</td>
</tr>
<tr>
<td>T0M0</td>
<td>26,4</td>
<td>26,4</td>
<td>26,7</td>
</tr>
<tr>
<td>T0M1</td>
<td>25,9</td>
<td>26,8</td>
<td>27,2</td>
</tr>
</tbody>
</table>

Keterangan: t0 = Tanpa olah tanah; t1 = Olah tanah intensif; m0 = Tanpa mulsa; m1 = Mulsa

Tabel 14. Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap kadar air pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Kelompok</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1M1</td>
<td>19,05</td>
<td>16,28</td>
<td>21,95</td>
</tr>
<tr>
<td>T1M0</td>
<td>14,94</td>
<td>19,05</td>
<td>14,94</td>
</tr>
<tr>
<td>T0M0</td>
<td>17,65</td>
<td>20,48</td>
<td>19,05</td>
</tr>
<tr>
<td>T0M1</td>
<td>16,28</td>
<td>23,46</td>
<td>20,48</td>
</tr>
</tbody>
</table>

Keterangan: t0 = Tanpa olah tanah; t1 = Olah tanah intensif; m0 = Tanpa mulsa; m1 = Mulsa

Tabel 15. Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap C-organik (%) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Kelompok</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1M1</td>
<td>1,15</td>
<td>1,24</td>
<td>1,26</td>
</tr>
<tr>
<td>T1M0</td>
<td>1,34</td>
<td>1,05</td>
<td>1,04</td>
</tr>
<tr>
<td>T0M0</td>
<td>1,13</td>
<td>1,37</td>
<td>1,37</td>
</tr>
<tr>
<td>T0M1</td>
<td>1,69</td>
<td>1,58</td>
<td>1,32</td>
</tr>
</tbody>
</table>

Keterangan: t0 = Tanpa olah tanah; t1 = Olah tanah intensif; m0 = Tanpa mulsa; m1 = Mulsa
Tabel 16. Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap pH tanah (H$_2$O) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Kelompok</th>
<th>Perlakuan</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>T1M1</td>
<td>5,58</td>
<td>5,47</td>
<td>5,19</td>
</tr>
<tr>
<td>T1M0</td>
<td>5,04</td>
<td>5,6</td>
<td>5,27</td>
</tr>
<tr>
<td>T0M0</td>
<td>5,37</td>
<td>5,63</td>
<td>5,46</td>
</tr>
<tr>
<td>T0M1</td>
<td>5,36</td>
<td>5,04</td>
<td>5,52</td>
</tr>
</tbody>
</table>

Keterangan: t₀=Tanpa olah tanah; t₁=Olah tanah intensif; m₀= Tanpa mulsa; m₁= Mulsa

Tabel 17. Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap suhu tanah (ºC) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Kelompok</th>
<th>Perlakuan</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>T1M1</td>
<td>27,4</td>
<td>27,3</td>
<td>28,9</td>
</tr>
<tr>
<td>T1M0</td>
<td>26,3</td>
<td>28,6</td>
<td>28,9</td>
</tr>
<tr>
<td>T0M0</td>
<td>27,7</td>
<td>28</td>
<td>28,2</td>
</tr>
<tr>
<td>T0M1</td>
<td>26,9</td>
<td>26,8</td>
<td>27,2</td>
</tr>
</tbody>
</table>

Keterangan: t₀=Tanpa olah tanah; t₁=Olah tanah intensif; m₀= Tanpa mulsa; m₁= Mulsa

Tabel 18. Pengaruh sistem olah tanah dan aplikasi mulsa bagas terhadap kadar air tanah pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Kelompok</th>
<th>Perlakuan</th>
<th>Jumlah</th>
<th>Rata-rata</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>T1M1</td>
<td>19,05</td>
<td>19,05</td>
<td>13,64</td>
</tr>
<tr>
<td>T1M0</td>
<td>16,28</td>
<td>13,64</td>
<td>14,94</td>
</tr>
<tr>
<td>T0M0</td>
<td>14,94</td>
<td>17,65</td>
<td>17,65</td>
</tr>
<tr>
<td>T0M1</td>
<td>20,4</td>
<td>17,65</td>
<td>16,28</td>
</tr>
</tbody>
</table>

Keterangan: t₀=Tanpa olah tanah; t₁=Olah tanah intensif; m₀= Tanpa mulsa; m₁= Mulsa
Tabel 19. Uji korelasi antara respirasi tanah dengan C-organik tanah (%) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table 5%</th>
<th>F table 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>318,85</td>
<td>318,85</td>
<td>4,11</td>
<td>4,41</td>
<td>8,28</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>1.395,32</td>
<td>77,52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>1.714,17</td>
<td>90,22</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: tn= tidak berbeda nyata pada taraf 5% dan 1%

Tabel 20. Uji korelasi antara respirasi tanah dengan pH tanah (H₂O) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table 5%</th>
<th>F table 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>84,99</td>
<td>84,99</td>
<td>0,94</td>
<td>4,41</td>
<td>8,28</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>1.629,17</td>
<td>90,51</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>1.714,17</td>
<td>90,22</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: tn= tidak berbeda nyata pada taraf 5% dan 1%

Tabel 21. Uji korelasi antara respirasi tanah dengan suhu tanah (ºC) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table 5%</th>
<th>F table 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>11,86</td>
<td>11,86</td>
<td>0,13</td>
<td>4,41</td>
<td>8,28</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>1.702,31</td>
<td>94,57</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>1.714,17</td>
<td>90,22</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: tn= tidak berbeda nyata pada taraf 5% dan 1%
Tabel 22. Uji korelasi antara respirasi tanah dengan kadar air (%) pada saat tanaman tebu berumur 7 bulan setelah ratoon kedua.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5%</td>
<td>1%</td>
</tr>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>1,87</td>
<td>1,87</td>
<td>0,02</td>
<td>4,41</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>1.712,30</td>
<td>95,13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>1.714,17</td>
<td>90,22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: tn= tidak berbeda nyata pada taraf 5% dan 1%

Tabel 23. Uji korelasi antara respirasi tanah dengan C-organik tanah (%) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5%</td>
<td>1%</td>
</tr>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>33,63</td>
<td>33,63</td>
<td>0,87</td>
<td>4,41</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>692,46</td>
<td>38,47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>726,09</td>
<td>38,22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: tn= tidak berbeda nyata pada taraf 5% dan 1%

Tabel 24. Uji korelasi antara respirasi tanah dengan pH tanah (H$_2$O) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5%</td>
<td>1%</td>
</tr>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>3,71</td>
<td>3,71</td>
<td>0,09</td>
<td>4,41</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>722,38</td>
<td>40,13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>726,09</td>
<td>38,22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: tn= tidak berbeda nyata pada taraf 5% dan 1%
Tabel 25. Uji korelasi antara respirasi tanah dengan suhu tanah (°C) pada saat tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table 5%</th>
<th>F table 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>26,02</td>
<td>26,02</td>
<td>0,67&lt;sub&gt;tn&lt;/sub&gt;</td>
<td>4,41</td>
<td>8,28</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>700,07</td>
<td>38,89</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>726,09</td>
<td>38,22</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: <sub>tn</sub> tidak berbeda nyata pada taraf 5% dan 1%

Tabel 26. Uji korelasi antara respirasi tanah dengan kadar air tanah pada tanaman tebu berumur 1 bulan setelah ratoon ketiga.

<table>
<thead>
<tr>
<th>Sumber keragaman</th>
<th>Derajat bebas</th>
<th>Jumlah kuadrat</th>
<th>Kuadrat tengah</th>
<th>F hit</th>
<th>F table 5%</th>
<th>F table 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korelasi</td>
<td>1</td>
<td>0,49</td>
<td>0,49</td>
<td>0,01&lt;sub&gt;tn&lt;/sub&gt;</td>
<td>4,41</td>
<td>8,28</td>
</tr>
<tr>
<td>Galat</td>
<td>18</td>
<td>725,59</td>
<td>40,31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>19</td>
<td>726,09</td>
<td>38,22</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keterangan: <sub>tn</sub> tidak berbeda nyata pada taraf 5% dan 1%