LAMPIRAN
Lampiran 01. Data dan Anova Berat Otot Ekstremitas Posterior

Tabel 02. Data Berat Otot Ekstremitas Posterior (gram).

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>P₀</th>
<th>P₁</th>
<th>P₂</th>
<th>P₃</th>
<th>P₄</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulangan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>162,05</td>
<td>165,53</td>
<td>182,38</td>
<td>156,90</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
<td>169,75</td>
<td>173,55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>168,62</td>
<td>156,29</td>
<td>-</td>
<td>145,45</td>
<td>184,28</td>
</tr>
<tr>
<td>4</td>
<td>-</td>
<td>159,45</td>
<td>171,21</td>
<td>151,17</td>
<td>181,52</td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>-</td>
<td>178,68</td>
<td>151,18</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>-</td>
<td>-</td>
<td>174,68</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Jumlah</td>
<td>330,67</td>
<td>651,02</td>
<td>880,45</td>
<td>604,70</td>
<td>365,80</td>
</tr>
<tr>
<td>Rata-rata</td>
<td>165,34</td>
<td>162,76</td>
<td>176,09</td>
<td>151,18</td>
<td>182,90</td>
</tr>
</tbody>
</table>

HITUNGAN STATISTIK

Derajat Bebas Total (DBT) = (2 + 4 + 5 + 4 + 2) - 1 = 16

Derajat Bebas Perlakuan (DBP) = 5 - 1 = 4

Derajat Bebas Galat (DBG) = (2 + 4 + 5 + 4 + 2) - 5 = 12
Faktor Koreksi

\[ = \left( \frac{330,67 + 651,02 + 880,45 + 604,70 + 365,80}{17} \right)^2 \]

\[ = 471991,13 \]

Jumlah Kuadrat Total (JKT)

\[ = (162,05^2 + 168,62^2 + \ldots + 184,28^2) \]

\[ = 181,52^2 \times 454821,10 \]

\[ = 2292,17 \]

Jumlah Kuadrat Perlakuan (JKP)

\[ = \left( \frac{330,67^2 + 651,02^2 + 880,45^2 + 604,70^2 + 365,80^2}{2,4,5,4,2} \right) \]

\[ - 471991,13 \]

\[ = 1995,73 \]

Jumlah Kuadarat Galat (JKG)

\[ = 2292,17 - 1995,73 = 296,44 \]

Kuadrat Tengah Perlakuan (KTP)

\[ = \frac{1995,73}{4} = 498,93 \]

Kuadarat Tengah Galat (KTG)

\[ = \frac{296,44}{12} = 24,70 \]

Fhitung

\[ = \frac{498,93}{24,70} = 20,19 \]

F tabel 5 %

\[ = 3,26 \]

**Anova**

<table>
<thead>
<tr>
<th>SK</th>
<th>Db</th>
<th>JK</th>
<th>KT</th>
<th>Fhitung</th>
<th>F tabel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlakuan</td>
<td>4</td>
<td>1995,73</td>
<td>498,93</td>
<td>20,19</td>
<td>3.26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>286,44</td>
<td>24,70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>2292,17</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Uji Lanjut B.N.T Otot Ekstrmitas Posterior

Tabel Nilai Tengah

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>nilai tengah</th>
<th>selisih</th>
</tr>
</thead>
<tbody>
<tr>
<td>$P_3$</td>
<td>151,18</td>
<td>$P_3$</td>
</tr>
<tr>
<td>$P_1$</td>
<td>162,76</td>
<td>11,58</td>
</tr>
<tr>
<td>$P_0$</td>
<td>165,34</td>
<td>14,58</td>
</tr>
<tr>
<td>$P_2$</td>
<td>176,09</td>
<td>24,91</td>
</tr>
<tr>
<td>$P_4$</td>
<td>186,90</td>
<td>31,72</td>
</tr>
</tbody>
</table>

B.N.T 5% = $t (DBG, 5\%) \times \sqrt{Sp^2 \left( \frac{1}{no} \right) + \left( \frac{1}{ni} \right)}$

$P_0$-$P_1$ = $t 5\%(12) \sqrt{24,70\left[ \frac{1}{2} + \frac{1}{4} \right]}$

= 9,38 > 2,58 tidak berbeda nyata

$P_0$-$P_2$ = $t 5\%(12) \sqrt{24,70\left[ \frac{1}{2} + \frac{1}{5} \right]}$

= 9,06 < 10,75 berbeda nyata

$P_0$-$P_3$ = $t 5\%(12) \sqrt{24,70\left[ \frac{1}{2} + \frac{1}{4} \right]}$

= 9,38 < 14,58 berbeda nyata

$P_0$-$P_4$ = $t 5\%(12) \sqrt{24,70\left[ \frac{1}{2} + \frac{1}{2} \right]}$

= 10,83 < 17,56 berbeda nyata
\[ P_1 - P_2 = t5\%(12) \sqrt{24.70 \left[ \frac{1}{4} + \frac{1}{5} \right]} \]
\[ = 7.26 < 10.23 \text{ berbeda nyata} \]

\[ P_1 - P_3 = t5\%(12) \sqrt{24.70 \left[ \frac{1}{4} + \frac{1}{4} \right]} \]
\[ = 7.66 < 11.58 \text{ berbeda nyata} \]

\[ P_1 - P_4 = t5\%(12) \sqrt{24.70 \left[ \frac{1}{4} + \frac{1}{2} \right]} \]
\[ = 9.38 < 20.14 \text{ berbeda nyata} \]

\[ P_2 - P_3 = t5\%(12) \sqrt{24.70 \left[ \frac{1}{5} + \frac{1}{4} \right]} \]
\[ = 7.26 < 24.91 \text{ berbeda nyata} \]

\[ P_2 - P_4 = t5\%(12) \sqrt{24.70 \left[ \frac{1}{5} + \frac{1}{2} \right]} \]
\[ = 9.06 > 6.81 \text{ tidak berbeda nyata} \]

\[ P_3 - P_4 = t5\%(12) \sqrt{24.70 \left[ \frac{1}{4} + \frac{1}{2} \right]} \]
\[ = 9.38 < 31.72 \text{ berbeda nyata} \]
Lampiran 02 Data dan Anova Berat Tulang Ekstremsias Posterior

Tabel 03. Data Berat Tulang Ekstremitas Poaterior (gram)

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>P₀</th>
<th>P₁</th>
<th>P₂</th>
<th>P₃</th>
<th>P₄</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulangan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>34,50</td>
<td>43,94</td>
<td>34,45</td>
<td>36,99</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
<td>37,20</td>
<td>37,43</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>30,66</td>
<td>35,52</td>
<td>-</td>
<td>38,33</td>
<td>36,47</td>
</tr>
<tr>
<td>4</td>
<td>-</td>
<td>32,15</td>
<td>39,14</td>
<td>35,01</td>
<td>34,56</td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>-</td>
<td>37,00</td>
<td>37,63</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>-</td>
<td>-</td>
<td>37,01</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Jumlah</td>
<td>65,16</td>
<td>148,81</td>
<td>185,03</td>
<td>147,96</td>
<td>71,03</td>
</tr>
<tr>
<td>Rata-rata</td>
<td>32,58</td>
<td>37,206</td>
<td>37,00</td>
<td>36,99</td>
<td>35,51</td>
</tr>
</tbody>
</table>

HITUNGAN STATISTIK

Derajat Bebas Total (DBT) \(= (2 + 4 + 5 + 4 + 2) - 1 = 16\)

Derajat Bebas Perlakuan (DBP) \(= 5 - 1 = 4\)

Derajat Bebas Galat (DBG) \(= (2 + 4 + 5 + 4 + 2) - 5 = 12\)
Faktor Koreksi = \((65.16 + 148.81 + 185.03 + 147.96 + 71.03)^2\) \\
\[= 22465.39\]

Jumlah Kuadrat Total (JKT) = \((34.50^2 + 30.66^2 + \ldots + 36.47^2)\) \\
\[= 136.86\]

Jumlah Kuadrat Perlakuan (JKP) = \((65.16^2 + 159.44^2 + 183.43^2 + 152.26^2 + 71.03^2)\) \\
\[= 22465.39\]
\[= 36.52\]

Jumlah Kuadrat Galat (JKG) = 136.86 - 36.52 = 100.34

Kuadrat Tengah Perlakuan (KTP) = 36.52 / 4 = 9.13

Kuadrat Tengah Galat (KTG) = 100.34 / 12 = 8.36

\(F_{\text{hitung}} = 9.13 / 8.36 = 1.09\)

\(F_{\text{tabel}} 5\% = 3.26\)

**Anova**

<table>
<thead>
<tr>
<th>SK</th>
<th>db</th>
<th>JK</th>
<th>KT</th>
<th>(F_{\text{hitung}})</th>
<th>(F_{\text{tabel}})</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlakuan</td>
<td>4</td>
<td>36.52</td>
<td>9.13</td>
<td>1.09</td>
<td>3.26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>100.34</td>
<td>8.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>136.86</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Lampiran 03. Data dan Anova Rasio Otot-Tulang Ekstremitas Posterior

Tabel 04. Data Ratio Otot-Tulang Ekstremitas Posterior (gram).

<table>
<thead>
<tr>
<th>Ulangan</th>
<th>P₀</th>
<th>P₁</th>
<th>P₂</th>
<th>P₃</th>
<th>P₄</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4,69</td>
<td>3,76</td>
<td>5,29</td>
<td>4,24</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
<td>4,56</td>
<td>4,63</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>5,49</td>
<td>4,40</td>
<td>-</td>
<td>3,79</td>
<td>5,05</td>
</tr>
<tr>
<td>4</td>
<td>-</td>
<td>4,95</td>
<td>4,37</td>
<td>4,31</td>
<td>5,25</td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>-</td>
<td>4,82</td>
<td>4,01</td>
<td>-</td>
</tr>
<tr>
<td>6</td>
<td>-</td>
<td>-</td>
<td>4,71</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Jumlah</td>
<td>10,89</td>
<td>17,69</td>
<td>2,82</td>
<td>16,35</td>
<td>10,30</td>
</tr>
<tr>
<td>Rata-rata</td>
<td>5,09</td>
<td>4,41</td>
<td>4,76</td>
<td>4,08</td>
<td>5,15</td>
</tr>
</tbody>
</table>

HITUNGAN STATISTIK

Derajat Bebas Total (DBT) \( = (2 + 4 + 5 + 4 + 2) - 1 = 16 \)

Derajat Bebas Perlakuan (DBP) \( = 5 - 1 = 4 \)

Derajat Bebas Galat (DBG) \( = (2 + 4 + 5 + 4 + 2) - 5 = 12 \)
Faktor Koreksi
\[ = \left( 10,18 + 17,67 + 23,82 + 16,35 + 10,30 \right)^2 \]
\[ = 361,38 \]

Jumlah Kuadrat Total (JKT)
\[ = \left( 4,69^2 + 5,49^2 + \ldots + 5,05^2 + \right) \]
\[ = 5,25^2 - 361,38 \]
\[ = 3,55 \]

Jumlah Kuadrat Perlakuan (JKP)
\[ = \left( 10,18^2 + 17,67^2 + 23,82^2 + 16,35^2 + 10,30^2 \right) \]
\[ = 361,38 \]
\[ = 1,85 \]

Jumlah Kuadrat Galat (JKG)
\[ = 3,55 - 1,85 = 1,70 \]

Kuadrat Tengah Perlakuan (KTP)
\[ = 1,85 / 4 = 0,46 \]

Kuadrat Tengah Galat (KTG)
\[ = 1,70 / 12 = 0,14 \]

Fhitung
\[ = 0,46 / 0,14 = 3,30 \]

F tabel 5 %
\[ = 3,26 \]

<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>Perlakuan</td>
<td>4</td>
<td>1,85</td>
<td>0,46</td>
<td>3,30</td>
<td>3,26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>1,70</td>
<td>0,14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>3,55</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Uji Lanjut B.N.T Ratio Otot-Tulang Ekstrimitas Posterior

Tabel Nilai Tengah

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>nilai tengah</th>
<th>selisih</th>
</tr>
</thead>
<tbody>
<tr>
<td>P₃</td>
<td>4,08</td>
<td>P₃</td>
</tr>
<tr>
<td>P₁</td>
<td>4,41</td>
<td>0,33</td>
</tr>
<tr>
<td>P₂</td>
<td>4,76</td>
<td>0,68</td>
</tr>
<tr>
<td>P₀</td>
<td>5,09</td>
<td>1,01</td>
</tr>
<tr>
<td>P₄</td>
<td>5,15</td>
<td>1,07</td>
</tr>
</tbody>
</table>

B.N.T 5% = t (DBG,5%) \times \sqrt{Sp^2 \left( \frac{1}{n_o} \right) + \left( \frac{1}{n_i} \right)}

\[P₀-P₁ = t₅(12) \sqrt{0,14 \left[ \frac{1}{2} + \frac{1}{4} \right]}\]

= 0,70 > 0,68 tidak berbeda nyata

\[P₀-P₂ = t₅(12) \sqrt{0,14 \left[ \frac{1}{2} + \frac{1}{5} \right]}\]

= 068 > 0,33 tidak berbeda nyata

\[P₀-P₃ = t₅(12) \sqrt{0,14 \left[ \frac{1}{2} + \frac{1}{4} \right]}\]

= 0,70 < 1,01 berbeda nyata

\[P₀-P₄ = t₅(12) \sqrt{0,14 \left[ \frac{1}{2} + \frac{1}{2} \right]}\]

= 0,81 > 0,06 tidak berbeda nyata
\[ P_1 - P_2 = t_{5\%}(12) \sqrt{0.14 \left[ \frac{1}{4} + \frac{1}{5} \right]} \]
\[ = 0.54 > 0.35 \text{ tidak berbeda nyata} \]

\[ P_1 - P_3 = t_{5\%}(12) \sqrt{0.14 \left[ \frac{1}{4} + \frac{1}{4} \right]} \]
\[ = 0.57 > 0.33 \text{ tidak berbeda nyata} \]

\[ P_1 - P_4 = t_{5\%}(12) \sqrt{0.14 \left[ \frac{1}{4} + \frac{1}{2} \right]} \]
\[ = 0.70 < 0.74 \text{ berbeda nyata} \]

\[ P_2 - P_3 = t_{5\%}(12) \sqrt{0.14 \left[ \frac{1}{5} + \frac{1}{4} \right]} \]
\[ = 0.54 < 0.68 \text{ berbeda nyata} \]

\[ P_2 - P_4 = t_{5\%}(12) \sqrt{0.14 \left[ \frac{1}{5} + \frac{1}{2} \right]} \]
\[ = 0.68 > 0.39 \text{ tidak berbeda nyata} \]

\[ P_3 - P_4 = t_{5\%}(12) \sqrt{0.14 \left[ \frac{1}{4} + \frac{1}{2} \right]} \]
\[ = 0.70 < 1.07 \text{ berbeda nyata} \]

\[
\begin{array}{cccccc}
P_3 & P_1 & P_2 & P_0 & P_4 \\
\end{array}
\]
<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Minggu</th>
<th>( X )</th>
<th>Rerata</th>
</tr>
</thead>
<tbody>
<tr>
<td>( P_0 )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0,1</td>
<td>70,40</td>
<td>102,70</td>
<td>119,70</td>
</tr>
<tr>
<td>0,3</td>
<td>82,80</td>
<td>119,70</td>
<td>148,10</td>
</tr>
<tr>
<td>( P_1 )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,1</td>
<td>85,70</td>
<td>110,50</td>
<td>115,70</td>
</tr>
<tr>
<td>1,2</td>
<td>74,30</td>
<td>114,60</td>
<td>124,40</td>
</tr>
<tr>
<td>1,3</td>
<td>71,60</td>
<td>95,75</td>
<td>116,40</td>
</tr>
<tr>
<td>1,4</td>
<td>67,30</td>
<td>103,01</td>
<td>129,10</td>
</tr>
<tr>
<td>( P_2 )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,1</td>
<td>70,50</td>
<td>103,80</td>
<td>117,60</td>
</tr>
<tr>
<td>2,2</td>
<td>80,30</td>
<td>115,20</td>
<td>133,90</td>
</tr>
<tr>
<td>2,4</td>
<td>85,78</td>
<td>124,10</td>
<td>138,40</td>
</tr>
<tr>
<td>2,5</td>
<td>73,90</td>
<td>117,30</td>
<td>135,10</td>
</tr>
<tr>
<td>2,6</td>
<td>77,60</td>
<td>117,70</td>
<td>132,40</td>
</tr>
<tr>
<td>( P_3 )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3,1</td>
<td>69,40</td>
<td>104,10</td>
<td>112,20</td>
</tr>
<tr>
<td>3,3</td>
<td>76,60</td>
<td>101,60</td>
<td>121,80</td>
</tr>
<tr>
<td>3,4</td>
<td>84,30</td>
<td>90,27</td>
<td>99,00</td>
</tr>
<tr>
<td>3,5</td>
<td>73,70</td>
<td>89,70</td>
<td>97,80</td>
</tr>
<tr>
<td>( P_4 )</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4,3</td>
<td>94,01</td>
<td>128,50</td>
<td>157,40</td>
</tr>
<tr>
<td>4,4</td>
<td>86,20</td>
<td>121,50</td>
<td>156,40</td>
</tr>
</tbody>
</table>

\[
\text{Faktor korelasi} (FK) = \left( \frac{1779,88}{17} \right)^2 = 186351,34
\]

\[
\text{Jumlah Kuadrat Total (JKT)} = \{ (97,60)^2 + \ldots + (121,36)^2 \} - 186351,34
\]
\[
= 188288,11 - 186351,34
\]
\[
= 1936,76
\]
Jumlah Kuadrat Perlakuan (JKP) = \( \frac{(214.46)^2 + \ldots + (247.99)^2}{2} - 186351.34 \)
\[ = 187748.97 - 186351.34 \]
\[ = 1397.63 \]

Jumlah Kuadrat Galat (JKG) = JKT - JKP
\[ = 1936.76 - 1397.63 \]
\[ = 539.14 \]

<table>
<thead>
<tr>
<th>Sumber varians</th>
<th>db</th>
<th>JK</th>
<th>KT</th>
<th>F hit</th>
<th>F tab (5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlakuan</td>
<td>4</td>
<td>1397.63</td>
<td>349.41</td>
<td>7.77</td>
<td>3.26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>539.14</td>
<td>44.93</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>1936.76</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

F hit > F tab, maka Ho ditolak

Uji Lanjut B.N.T Konsumsi pakan

B.N.T 5% = \( t (DBG, 5\%) \times \sqrt{Sp^2 \left( \frac{1}{no} + \frac{1}{ni} \right)} \)

\[ P0-P1 = 2.18 \times \sqrt{44.93 \left( \frac{1}{2} + \frac{1}{4} \right)} = 2.18 \times \sqrt{33.69} \]
\[ = 12.65 \Rightarrow P0-P1 = 6.50 < 12.65 \text{ tidak beda nyata} \]

\[ P0-P2 = 2.18 \times \sqrt{44.93 \left( \frac{1}{2} + \frac{1}{5} \right)} = 2.18 \times \sqrt{31.45} \]
\[ = 12.22 \Rightarrow P2-P0 = 1 < 12.22 \text{ tidak beda nyata} \]
P0-P3 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{2} + \frac{1}{4}\right)}\)
= \(2,18 \times \sqrt{33,69}\)
= \(12,65 \Rightarrow P3-P0 = 13,86>12,65\) beda nyata

P0-P4 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{2} + \frac{1}{2}\right)}\)
= \(2,18 \times \sqrt{44,93}\)
= \(14,61 \Rightarrow P4-P0 = 16,76>14,61\) beda nyata

P1-P2 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{4} + \frac{1}{5}\right)}\)
= \(2,18 \times \sqrt{20,21}\)
= \(9,80 \Rightarrow P2-P1 = 7,54<9,80\) tidak beda nyata

P1-P3 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{4} + \frac{1}{4}\right)}\)
= \(2,18 \times \sqrt{22,46}\)
= \(10,33 \Rightarrow P3-P1 = 7,32<10,33\) tidak beda nyata

P1-P4 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{4} + \frac{1}{2}\right)}\)
= \(2,18 \times \sqrt{33,69}\)
= \(12,65 \Rightarrow P4-P1 = 23,30>12,65\) beda nyata

P2-P3 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{5} + \frac{1}{4}\right)}\)
= \(2,18 \times \sqrt{20,21}\)
= \(9,80 \Rightarrow P3-P2 = 14,86>9,80\) beda nyata

P2-P4 = \(2,18 \times \sqrt{44,93 \left(\frac{1}{5} + \frac{1}{2}\right)}\)
= \(2,18 \times \sqrt{31,45}\)
= \(12,22 \Rightarrow P4-P2 = 15,76>12,22\) beda nyata
\[ P_3 - P_4 = 2.18 \times \sqrt{44.93 \left( \frac{1}{4} + \frac{1}{2} \right)} \]
\[ = 2.18 \times \sqrt{33.69} \]
\[ = 12.65 \quad \Rightarrow P_4 - P_3 = 30.62 > 12.65 \text{ beda nyata} \]

<table>
<thead>
<tr>
<th>P3</th>
<th>P1</th>
<th>P0</th>
<th>P2</th>
<th>P4</th>
</tr>
</thead>
<tbody>
<tr>
<td>93.37a</td>
<td>100.69ab</td>
<td>107.23b</td>
<td>108.23b</td>
<td>123.99c</td>
</tr>
</tbody>
</table>
**Lampiran 05. Pertambahan bobot badan ayam / minggu (gram)**

**Tabel 06. Data Bobot Badan**

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Minggu Awal</th>
<th>Minggu Terakhir</th>
<th>PBB/minggu</th>
<th>Rerata</th>
</tr>
</thead>
<tbody>
<tr>
<td>P0</td>
<td>332,5</td>
<td>1520</td>
<td>395,83</td>
<td>422,99</td>
</tr>
<tr>
<td>P1</td>
<td>381,5</td>
<td>1660</td>
<td>426,16</td>
<td>422,48</td>
</tr>
<tr>
<td>P2</td>
<td>311</td>
<td>1422,5</td>
<td>370,5</td>
<td>434,66</td>
</tr>
<tr>
<td>P3</td>
<td>288</td>
<td>1412,5</td>
<td>374,83</td>
<td>357,37</td>
</tr>
<tr>
<td>P4</td>
<td>363,5</td>
<td>1780</td>
<td>472,16</td>
<td>480,91</td>
</tr>
<tr>
<td></td>
<td>374,5</td>
<td>1843,5</td>
<td>489,66</td>
<td></td>
</tr>
</tbody>
</table>

\[ \Sigma \text{ total} = 7100,54 \]

Faktor Korelasi (FK) = \( \left( \frac{7100.54}{17} \right)^2 = 2965745,19 \)

Jumlah Kuadrat Total (JKT) = \{ (395,83)^2 + \ldots + (489,66)^2 \} - 2965745,19
\[ = 3005020,59 - 2965745,19 \]
\[ = 39275,40 \]

Jumlah Kuadrat Perlakuan (JKP) = \{ (845.99)^2 + \ldots + (961.82)^2 \} - 2965745,19
\[ = 2989880,17 - 2965745,19 \]
\[ = 24134,98 \]
Jumlah Kuadrat Galat (JKG) = JKT - JKP
    = 39275,40 - 24134,98
    = 15140,41

Tabel Anova

<table>
<thead>
<tr>
<th>Sumber varians</th>
<th>df</th>
<th>JK</th>
<th>KT</th>
<th>F hit</th>
<th>Ftab (5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlakuan</td>
<td>4</td>
<td>24134,98</td>
<td>6033,74</td>
<td>4,78</td>
<td>3,26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>15140,41</td>
<td>1261,70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>39275,40</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabel NilaiTengah

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Nilai tengah X</th>
<th>Selisih</th>
</tr>
</thead>
<tbody>
<tr>
<td>P0</td>
<td>422,99</td>
<td>P0</td>
</tr>
<tr>
<td>P1</td>
<td>422,48</td>
<td>0,51</td>
</tr>
<tr>
<td>P2</td>
<td>434,66</td>
<td>11,66</td>
</tr>
<tr>
<td>P3</td>
<td>357,37</td>
<td>65,62</td>
</tr>
<tr>
<td>P4</td>
<td>480,91</td>
<td>57,91</td>
</tr>
</tbody>
</table>

Uji Lanjut B.N.T Pertambahan bobot badan/minggu

\[ B.N.T \ 5\% = t (DBG,5\%) \times \sqrt{Sp^2 \left( \frac{1}{n_o} + \frac{1}{n_i} \right)} \]

\[ P0-P1 = t_{5\%}(12) \sqrt{1261,70 \left( \frac{1}{2} + \frac{1}{4} \right)} \]

\[ = 2,18 \times \sqrt{946,27} \]

\[ = 67,06 \Rightarrow P1-P0 = 0,51<67,06 \text{ tidak beda nyata} \]
P0-P2 \[= 2,18 \times \sqrt[5]{1261,70 \left(\frac{1}{2} + \frac{1}{5}\right)}\]

\[= 2,18 \times \sqrt[5]{883,19}\]

\[= 64,78 \Rightarrow P2-P0 = 11,66 < 64,78 \text{ tidak beda nyata}\]

P0-P3 \[= 2,18 \times \sqrt[4]{1261,70 \left(\frac{1}{2} + \frac{1}{4}\right)}\]

\[= 2,18 \times \sqrt[4]{946,27}\]

\[= 67,06 \Rightarrow P3-P0 = 65,62 < 67,06 \text{ tidak beda nyata}\]

P0-P4 \[= 2,18 \times \sqrt[2]{1261,70 \left(\frac{1}{2} + \frac{1}{2}\right)}\]

\[= 2,18 \times \sqrt[2]{1261,70}\]

\[= 77,43 \Rightarrow P4-P0 = 57,91 < 77,43 \text{ tidak beda nyata}\]

P1-P2 \[= 2,18 \times \sqrt[5]{1261,70 \left(\frac{1}{4} + \frac{1}{5}\right)}\]

\[= 2,18 \times \sqrt[5]{567,76}\]

\[= 51,94 \Rightarrow P2-P1 = 12,18 < 51,94 \text{ tidak beda nyata}\]

P1-P3 \[= 2,18 \times \sqrt[4]{1261,70 \left(\frac{1}{4} + \frac{1}{4}\right)}\]

\[= 2,18 \times \sqrt[4]{630,85}\]

\[= 54,75 \Rightarrow P3-P1 = 65,10 > 54,75 \text{ beda nyata}\]

P1-P4 \[= 2,18 \times \sqrt[2]{1261,70 \left(\frac{1}{4} + \frac{1}{2}\right)}\]

\[= 2,18 \times \sqrt[2]{946,27}\]

\[= 67,06 \Rightarrow P4-P1 = 58,43 < 67,06 \text{ tidak beda nyata}\]

P2-P3 \[= 2,18 \times \sqrt[4]{1261,70 \left(\frac{1}{5} + \frac{1}{4}\right)}\]
\[
= 2.18 \times \sqrt{567.66}
\]
\[
= 51.93 \implies P3-P2 = 77.29 > 51.93 \text{ beda nyata}
\]

\[
P2-P4 = 2.18 \times \sqrt[5]{1261.70 \left( \frac{1}{5} + \frac{1}{2} \right)}
\]
\[
= 2.18 \times \sqrt{883.19}
\]
\[
= 64.78 \implies P4-P2 = 46.24 < 64.78 \text{ tidak beda nyata}
\]

\[
P3-P4 = 2.18 \times \sqrt[4]{1261.70 \left( \frac{1}{4} + \frac{1}{2} \right)}
\]
\[
= 2.18 \times \sqrt{946.27}
\]
\[
= 67.06 \implies P4-P3 = 123.53 > 67.06 \text{ beda nyata}
\]

<table>
<thead>
<tr>
<th>P3</th>
<th>P1</th>
<th>P0</th>
<th>P2</th>
<th>P4</th>
</tr>
</thead>
<tbody>
<tr>
<td>354.37(^a)</td>
<td>422.48(^b)</td>
<td>.422.99(^{ab})</td>
<td>434.66(^b)</td>
<td>480.98(^b)</td>
</tr>
</tbody>
</table>
LAMPIRAN 06

Tabel 07 Konsumsi Air Minum / Minggu (ml)

<table>
<thead>
<tr>
<th>Perlakuan</th>
<th>Minggu</th>
<th>X</th>
<th>Rerata</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>I</td>
<td>II</td>
<td>III</td>
</tr>
<tr>
<td>P0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0,1</td>
<td>141,50</td>
<td>215,70</td>
<td>294,50</td>
</tr>
<tr>
<td>0,3</td>
<td>158,40</td>
<td>284,70</td>
<td>359,00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,1</td>
<td>158,70</td>
<td>255,20</td>
<td>290,20</td>
</tr>
<tr>
<td>1,2</td>
<td>162,70</td>
<td>269,00</td>
<td>292,10</td>
</tr>
<tr>
<td>1,3</td>
<td>147,80</td>
<td>269,40</td>
<td>394,10</td>
</tr>
<tr>
<td>1,4</td>
<td>169,40</td>
<td>351,40</td>
<td>431,40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2,1</td>
<td>122,10</td>
<td>210,80</td>
<td>262,20</td>
</tr>
<tr>
<td>2,2</td>
<td>147,70</td>
<td>276,40</td>
<td>304,00</td>
</tr>
<tr>
<td>2,4</td>
<td>165,80</td>
<td>280,00</td>
<td>336,40</td>
</tr>
<tr>
<td>2,5</td>
<td>140,70</td>
<td>256,40</td>
<td>316,20</td>
</tr>
<tr>
<td>2,6</td>
<td>152,40</td>
<td>266,80</td>
<td>306,70</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3,1</td>
<td>150,50</td>
<td>266,10</td>
<td>343,00</td>
</tr>
<tr>
<td>3,3</td>
<td>147,50</td>
<td>223,10</td>
<td>225,50</td>
</tr>
<tr>
<td>3,4</td>
<td>166,40</td>
<td>260,20</td>
<td>296,40</td>
</tr>
<tr>
<td>3,5</td>
<td>140,20</td>
<td>232,70</td>
<td>264,80</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4,3</td>
<td>168,20</td>
<td>240,70</td>
<td>332,50</td>
</tr>
<tr>
<td>4,4</td>
<td>148,80</td>
<td>243,00</td>
<td>336,70</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\[\sum \text{ total} = 4157,97\]

Faktor Koreksi (FK) = \(\frac{4157,97^2}{17} = 1016983,20\)

Jumlah Kuadrat Total (JKT) = \(\sum (250,56)^2 + \ldots + (242,83)^2) - 1016983,20\)
\[= 1029264,28 - 1016983,20\]
\[= 12281,07\]

Jumlah Kuadrat Perlakuan (JKP) = \(\sum (\frac{517,92}{2})^2 + \ldots + (\frac{489,96}{2})^2) - 1016983,20\)
\[= 1020864,62 - 1016983,20\]
= 3881,41

Jumlah Kuadrat Galat (JKG) = JKT - JKP
= 12281,07 - 3881,41
= 8399,65

<table>
<thead>
<tr>
<th>Sumber varians</th>
<th>db</th>
<th>JK</th>
<th>KT</th>
<th>F hit</th>
<th>Ftab (5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlakuan</td>
<td>4</td>
<td>3881,41</td>
<td>970,35</td>
<td>1,38</td>
<td>3,26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>8399,65</td>
<td>699,97</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>12281,07</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

F hit < F tab, maka Ho diterima
**Lampiran 04. Lemak Terabsorpsi**

Lemak terabsorpsi (gr) = Lemak pakan (gr) – Lemak feces (gr)

**Tabel 08. Lemak terabsorpsi (gr)**

<table>
<thead>
<tr>
<th>Perlakuan/Ulangan</th>
<th>Lemak terabsorpsi</th>
<th>Rerata</th>
</tr>
</thead>
<tbody>
<tr>
<td>$P_0$ (0 ppm) 1</td>
<td>5,63</td>
<td>6,11&lt;sup&gt;ab&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>6,59</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Σ = 12,22</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$P_1$ (500 ppm) 1</td>
<td>5,56</td>
<td>5,87&lt;sup&gt;ab&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>5,99</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5,69</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Σ = 23,48</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$P_2$ (1000 ppm) 1</td>
<td>5,72</td>
<td>6,34&lt;sup&gt;h&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>6,51</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,62</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,49</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,35</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Σ = 31,69</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$P_3$ (1500 ppm) 1</td>
<td>5,78</td>
<td>5,51&lt;sup&gt;a&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>5,91</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5,23</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5,13</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Σ = 22,05</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$P_4$ (2000 ppm) 1</td>
<td>7,68</td>
<td>7,6&lt;sup&gt;e&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>7,52</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Σ = 15,2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Perhitungan anova lemak terabsorpsi

\[ FK = \frac{\sum_{i=1}^{n} Y_i^2}{\sum_{i=1}^{n} n_i} = \frac{104,64^2}{17} = 644,090 \]

\[ JKT = \sum_{ij} Y_{ij} - FK = 652,137 - 644,090 = 8,047 \]

\[ JKP = \sum_{i=1}^{a} \frac{Y_i^2}{n} - FK = \left( \frac{12,22^2}{2} + \frac{23,48^2}{4} + \frac{31,69^2}{5} + \frac{22,05^2}{4} + \frac{15,2^2}{2} \right) - 644,090 \]

\[ = 650,414 - 644,090 = 6,324 \]

\[ JKG = JKT - JKP = 8,047 - 6,324 = 1,723 \]

db total = \[ \sum_{i=1}^{a} n_i - 1 = 16 \]

db perlakuan = \[ a - 1 = 4 \]

db galat = \[ \sum_{i=1}^{a} n_i - a = 12 \]

<table>
<thead>
<tr>
<th>Sumber variansi</th>
<th>db</th>
<th>JK</th>
<th>KT</th>
<th>Fhit</th>
<th>Ftabl (5%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perlakuan</td>
<td>4</td>
<td>6,324</td>
<td>1,581</td>
<td>10,98</td>
<td>3,26</td>
</tr>
<tr>
<td>Galat</td>
<td>12</td>
<td>1,723</td>
<td>0,144</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>8,047</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Uji Lanjut BNT

\[ Po-P1 = 2,18 \times \sqrt{0,144 \left( \frac{1}{2} + \frac{1}{4} \right)} \]

\[ = 0,72 \Rightarrow 0,24 < 0,72 \quad \text{tidak beda nyata} \]

\[ Po-P2 = 2,18 \times \sqrt{0,144 \left( \frac{1}{2} + \frac{1}{5} \right)} \]

\[ = 0,70 \Rightarrow 0,23 < 0,70 \quad \text{tidak beda nyata} \]
\[
P_0-P_3 = 2.18 \times \sqrt{0.144 \left( \frac{1}{2} + \frac{1}{4} \right)}
\]
\[
= 0.72 \Rightarrow 0.6 < 0.72 \quad \text{tidak beda nyata}
\]
\[
P_0-P_4 = 2.18 \times \sqrt{0.144 \left( \frac{1}{2} + \frac{1}{2} \right)}
\]
\[
= 0.83 \Rightarrow 1.49* > 0.83 \quad \text{beda nyata}
\]
\[
P_1-P_2 = 2.18 \times \sqrt{0.144 \left( \frac{1}{4} + \frac{1}{5} \right)}
\]
\[
= 0.55 \Rightarrow 0.47 < 0.55 \quad \text{tidak beda nyata}
\]
\[
P_1-P_3 = 2.18 \times \sqrt{0.144 \left( \frac{1}{4} + \frac{1}{4} \right)}
\]
\[
= 0.59 \Rightarrow 0.36 < 0.59 \quad \text{tidak beda nyata}
\]
\[
P_1-P_4 = 2.18 \times \sqrt{0.144 \left( \frac{1}{4} + \frac{1}{2} \right)}
\]
\[
= 0.72 \Rightarrow 1.73 < 0.72 \quad \text{beda nyata}
\]
\[
P_2-P_3 = 2.18 \times \sqrt{0.144 \left( \frac{1}{5} + \frac{1}{4} \right)}
\]
\[
= 0.55 \Rightarrow 0.83* > 0.55 \quad \text{beda nyata}
\]
\[
P_2-P_4 = 2.18 \times \sqrt{0.144 \left( \frac{1}{5} + \frac{1}{2} \right)}
\]
\[
= 0.70 \Rightarrow 1.26* > 0.70 \quad \text{beda nyata}
\]
\[
P_3-P_4 = 2.18 \times \sqrt{0.144 \left( \frac{1}{4} + \frac{1}{2} \right)}
\]
\[
= 0.72 \Rightarrow 2.09* > 0.72 \quad \text{beda nyata}
\]

<table>
<thead>
<tr>
<th>(P_3^a)</th>
<th>(P_1^{ab})</th>
<th>(P_0^{ab})</th>
<th>(P_2^b)</th>
<th>(P_4^c)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.51</td>
<td>5.87</td>
<td>6.11</td>
<td>6.34</td>
<td>7.6</td>
</tr>
</tbody>
</table>