

Lampiran 01. Perhitungan Analisa Varian dan Uji BNJ Jumlah Eritrosit Ayam.

Tabel 04. Jumlah Eritrosit Ayam (juts/mm³)

| Ulangan Perlakuan | 1 | 2 | 3 | Jumlah | Rata-rata |
|----------------------|-------|-------|-------|--------|-----------|
| K | 3,650 | 3,705 | 3,345 | 10,7 | 3,567 |
| P ₁ | 2,795 | 2,810 | 2,768 | 8,373 | 2,791 |
| P ₂ | 3,201 | 3,160 | 3,110 | 9,471 | 3,157 |
| P ₃ | 3,002 | 3,018 | 3,028 | 9,048 | 3,016 |
| P ₄ | 2,987 | 2,801 | 2,615 | 8,403 | 2,801 |
| P ₅ | 3,220 | 3,201 | 3,254 | 9,675 | 3,225 |
| P ₆ | 3,112 | 3,141 | 3,182 | 9,405 | 3,135 |
| P ₇ | 2,910 | 2,851 | 2,867 | 8,628 | 2,876 |
| Jumlah | | | | 73,703 | |

Perhitungan :

$$1. \text{ Faktor koreksi} = \frac{(3,650+3,705+3,345+\dots+2,867)^2}{3 \times 8}$$

$$= 226$$

$$2. \text{ Jumlah Kuadrat Lengkap} = (3,650^2+3,705^2+\dots+2,867^2) - FK$$

$$= 1,9$$

$$3. \text{ Jumlah Kuadrat Perlakuan} = \frac{(10,7^2+8,373^2+\dots+8,628^2)}{8} - FK$$

$$= 1,8$$

$$4. \text{ Jumlah Kuadrat Galat} = 1,9 - 1,8$$

$$= 0,1$$

$$5. \text{ Kusdrat Tengah Perlakuan} = \frac{1,8}{7}$$

$$= 0,257$$

$$\begin{aligned}
 6. \text{ Kuadrat Tengah Galat} &= \frac{0,1}{16} \\
 &= 0,00625
 \end{aligned}$$

$$\begin{aligned}
 7. F \text{ hitung} &= \frac{0,257}{0,00625} \\
 &= 41,12
 \end{aligned}$$

Tabel 05. Analisa Varian Jumlah Eritrosit Ayam

| Sumber Keragaman | DB | JK | KT | F hit | F tab |
|------------------|----|-----|---------|---------------------|-------|
| Perlakuan | 7 | 1,8 | 0,257 | 41,12 ^{**} | 2,66 |
| Gallat | 16 | 0,1 | 0,00625 | | 4,03 |
| Total | 23 | 1,9 | | | |

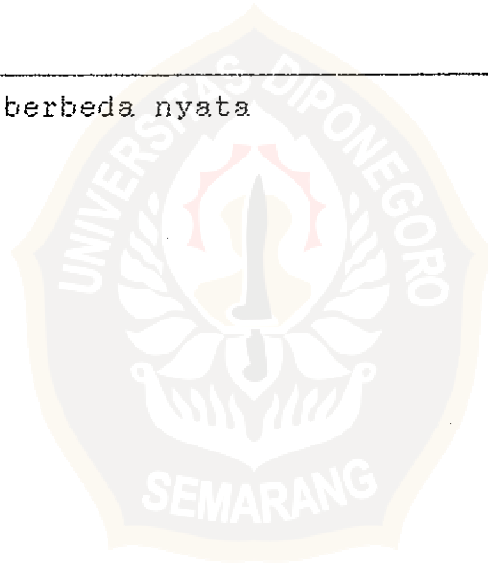
Keterangan : ** = berbeda sangat nyata

$$\begin{aligned}
 \text{Perhitungan BNJ} &= q \sqrt{(KT/3)} \\
 &= 4,9 \sqrt{(0,00625/3)} \\
 &= 0,2
 \end{aligned}$$

Tabel 06. Uji Beda Nyata Antar Nilai Tengah

| | F1 | F4 | F7 | F9 | F8 | F2 | F5 | K |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 2,791 | 2,801 | 2,876 | 3,016 | 3,135 | 3,157 | 3,225 | 3,567 |
| 2,791 | - | 0,01 | 0,085 | 0,225* | 0,344* | 0,366* | 0,434* | 0,776* |
| 2,801 | | - | 0,075 | 0,215* | 0,334* | 0,356* | 0,424* | 0,766* |
| 2,876 | | | - | 0,14* | 0,259* | 0,281* | 0,349* | 0,691* |
| 3,016 | | | | - | 0,119 | 0,141 | 0,209* | 0,551* |
| 3,135 | | | | | - | 0,022 | 0,09 | 0,432* |
| 3,157 | | | | | | - | 0,068 | 0,41* |
| 3,225 | | | | | | | - | 0,342* |
| 3,567 | | | | | | | | - |

Keterangan : * = berbeda nyata



Lampiran 02. Perhitungan Analisa Varian dan Uji BNJ Kadar Hemoglobin Ayam

Tabel 06. Kadar Hemoglobin Ayam (gram %)

| Ulangan Perlakuan | 1 | 2 | 3 | Jumlah | Rata-rata |
|----------------------|------|------|------|--------|-----------|
| K | 14,3 | 13,2 | 14 | 42 | 14 |
| P ₁ | 9,5 | 9,3 | 9,7 | 28,5 | 9,5 |
| P ₂ | 12,7 | 12,8 | 12,3 | 37,8 | 12,7 |
| P ₃ | 12,1 | 11,4 | 11,6 | 35,1 | 11,7 |
| P ₄ | 9,9 | 9,8 | 10 | 29,7 | 9,9 |
| P ₅ | 12,9 | 12,7 | 12,5 | 38,1 | 12,7 |
| P ₆ | 12,1 | 12,2 | 12 | 36,1 | 12,1 |
| P ₇ | 10,4 | 9,7 | 9,9 | 30 | 10 |
| Jumlah | | | | 277,3 | |

Analog dengan perhitungan pada jumlah eritrosit didapat analisa varian kadar hemoglobin ayam pada Tabel 07

Tabel 07. Analisa Varian Kadar Hemoglobin Ayam

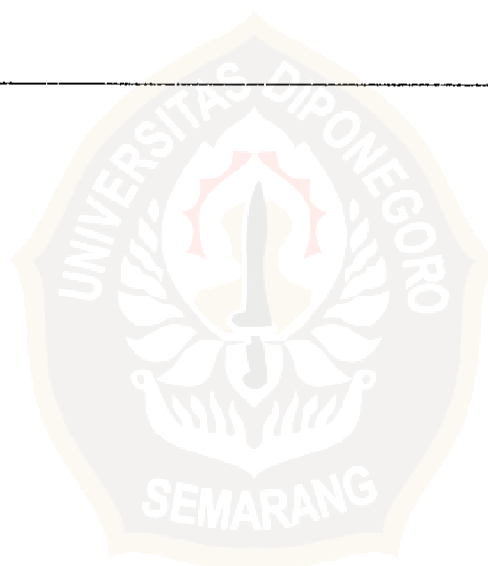
| Sumber Keragaman | DB | JK | KT | F hit | F tab |
|------------------|----|-------|------|----------|-------|
| Perlakuan | 7 | 54,03 | 7,72 | 24,125** | 2,66 |
| Galat | 16 | 5,15 | 0,32 | | 4,03 |
| Total | 23 | 59,18 | | | |

Keterangan : ** = berbeda sangat nyata

$$\begin{aligned} \text{Perhitungan BNJ} &= 4,9 \sqrt{0,32/3} \\ &= 1,6 \end{aligned}$$

Tabel 09. Uji Beda Nyata Antar Nilai Tengah

| | P1 | P4 | P7 | P9 | P10 | P12 | P14 | K |
|------|-----|-----|-----|------|------|------|------|------|
| | 9,5 | 9,9 | 10 | 11,7 | 12,1 | 12,7 | 12,7 | 14 |
| 9,5 | - | 0,4 | 0,5 | 2,2* | 2,6* | 3,2* | 3,2* | 4,5* |
| 9,9 | | - | 0,1 | 1,8* | 2,2* | 2,8* | 2,8* | 4,1* |
| 10 | | | - | 1,7* | 2,1* | 2,7* | 2,7* | 4* |
| 11,7 | | | | - | 0,4 | 1 | 1 | 2,3* |
| 12,1 | | | | | - | 0,6 | 0,6 | 1,9* |
| 12,7 | | | | | | - | 0 | 1,3 |
| 12,7 | | | | | | | - | 1,3 |
| 14 | | | | | | | | - |



Lampiran 03. Perhitungan Analisa Varian dan Uji BNJ Nilai Hematokrit Ayam.

Tabel 08. Nilai Hematokrit Ayam (%)

| Ulangan Perlakuan | 1 | 2 | 3 | Jumlah | Rata-rata |
|----------------------|------|------|------|--------|-----------|
| K | 43 | 40 | 37 | 120 | 40,0 |
| P ₁ | 30 | 31,5 | 28,5 | 90 | 30 |
| P ₂ | 36 | 36,5 | 37 | 109,5 | 30 |
| P ₃ | 35,5 | 30,9 | 35,6 | 102 | 34 |
| P ₄ | 30,9 | 31,5 | 31,2 | 93,6 | 31,2 |
| P ₅ | 37,5 | 37 | 36,5 | 111 | 37 |
| P ₆ | 35,9 | 34,2 | 34,3 | 104,4 | 34,8 |
| P ₇ | 31 | 30,5 | 33 | 94,5 | 31,5 |
| Jumlah | | | | 825 | |

Analog dengan perhitungan pada jumlah eritrosit didapatkan analisa varian nilai hematokrit ayam seperti pada Tabel 09

Tabel 09. Analisa Varian Nilai Hematokrit Ayam

| Sumber keragaman | DB | JK | KT | F hit | F tab |
|------------------|----|--------|-------|---------|-------|
| Perlakuan | 7 | 242,56 | 34,65 | 12,83** | 2,66 |
| Galat | 16 | 43,42 | 2,7 | | 4,03 |
| Total | 23 | 285,98 | | | |

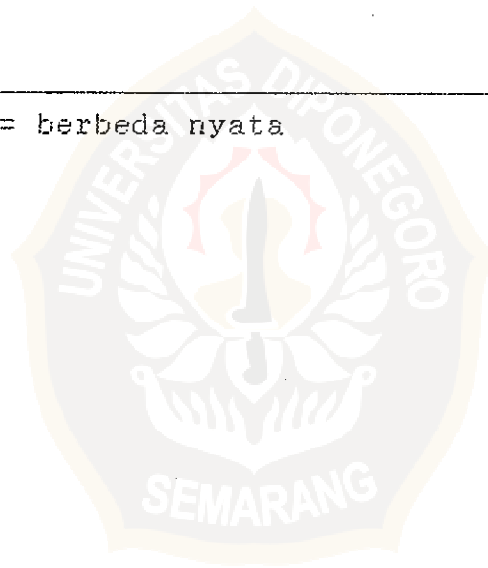
Keterangan ** = berbeda sangat nyata

$$\begin{aligned} \text{Perhitungan BNJ} &= 4,9 \sqrt{(2,7/3)} \\ &= 4,65 \end{aligned}$$

Tabel 12. Uji Beda Nyata Antar Nilai Tengah

| | P ₁ | P ₄ | P ₇ | P ₉ | P ₈ | P ₂ | P ₅ | K |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|
| | 30 | 31,2 | 31,5 | 34,0 | 34,8 | 36,5 | 37,0 | 40,0 |
| 30 | - | 1,2 | 1,5 | 4 | 4,8* | 6,5* | 5,8* | 10* |
| 31,2 | | - | 0,3 | 2,8 | 3,6 | 5,3* | 5,8* | 8,8* |
| 31,5 | | | - | 2,5 | 3,3 | 5* | 5,5* | 8,5* |
| 34 | | | | - | 0,8 | 2,5 | 3 | 6* |
| 34,8 | | | | | - | 1,7 | 2,2 | 5,2* |
| 36,5 | | | | | | - | 0,5 | 3,5 |
| 37 | | | | | | | - | 3 |
| 40 | | | | | | | | - |

Keterangan : * = berbeda nyata



Lampiran 04. Analisa Proksimat

Tabel 13. Hasil Analisa Proksimat Bahan Pakan (dalam %)

| Kandungan Jenis Pakan | Protein | Serat Kasar |
|--------------------------|---------|-------------|
| Dedak | 7,80 | 22,04 |
| Rumen sapi | 10,51 | 30,04 |
| Rumen kambing | 8,4 | 15,50 |
| K | 21,09 | 2,26 |
| F ₁ | 15,95 | 9,54 |
| F ₂ | 20,56 | 4,14 |
| F ₃ | 19,75 | 6,64 |
| F ₄ | 18,65 | 9,59 |
| F ₅ | 20,86 | 4,49 |
| F ₆ | 19,86 | 5,92 |
| F ₇ | 18,73 | 8,82 |