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LAMPIRAN

Lampiran 1. Perhitungan Dosis Pupuk Nitrogen dan Fosfor

Populasi tanaman kacang tanah per hektar

$$1 \text{ Ha} = \frac{\text{Luas Lahan (1 Ha)}}{\text{Jarak Tanam}} = \frac{10.000 \text{ M}^2}{(20 \times 20) \text{ cm}^2} = \frac{10.000 \text{ M}^2}{400 \text{ cm}^2} = \frac{10.000 \text{ M}^2}{0.04 \text{ M}^2} = 250.000 \text{ Tanaman}$$

Kebutuhan Pupuk Organik

$$5 \text{ Ton/Ha} = \frac{\text{Dosis Pupuk}}{250.000 \text{ Tanaman}} = \frac{5000 \text{ kg}}{250.000 \text{ Tanaman}} = 0.02 = 20 \text{ g/tanaman}$$

20 gram/Tanaman x 32 (bibit kacang tanah) = 640 g/Plot

Kebutuhan Pupuk Nitrogen

$$40 \text{ Kg N/Ha} = \frac{\text{Dosis Pupuk}}{250.000 \text{ Tanaman}} = \frac{40 \text{ Kg N/Ha}}{250.000 \text{ Tanaman}} = 0.00016 = 0.16 \text{ g /tanaman}$$

$$65 \text{ Kg N/Ha} = \frac{\text{Dosis Pupuk}}{250.000 \text{ Tanaman}} = \frac{65 \text{ Kg N/Ha}}{250.000 \text{ Tanaman}} = 0.00026 = 0.26 \text{ g /tanaman}$$

Kebutuhan Pupuk Fosfor

$$40 \text{ Kg P/Ha} = \frac{\text{Dosis Pupuk}}{250.000 \text{ Tanaman}} = \frac{40 \text{ Kg P/Ha}}{250.000 \text{ Tanaman}} = 0.00016 = 0.16 \text{ g /tanaman}$$

$$90 \text{ Kg P/Ha} = \frac{\text{Dosis Pupuk}}{160.000 \text{ Tanaman}} = \frac{90 \text{ Kg P/Ha}}{160.000 \text{ Tanaman}} = 0.00056 = 0.56 \text{ g /tanaman}$$

$$140 \text{ Kg P/Ha} = \frac{\text{Dosis Pupuk}}{250.000 \text{ Tanaman}} = \frac{140 \text{ Kg P/Ha}}{250.000 \text{ Tanaman}} = 0.00056 = 0.56 \text{ g/tanaman}$$

Lampiran 2. Analisis Tanah Kebun Fakultas Peternakan Universitas Hasanuddin



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
FAKULTAS PERTANIAN
DEPARTEMEN ILMU TANAH
LABORATORIUM KIMIA DAN KESUBURAN TANAH
 Jl. Perintis Kemerdekaan Km. 10 Kampus UNHAS Tomalene Makassar 90245

HASIL ANALISIS CONTOH TANAH

Nomor : 0240.T.LKKT/2024
 Permintaan : Firdani Nirmala Munir
 Asal Contoh/Lokasi :
 Objek : Penelitian
 Tgl.Penerimaan : 28 Juni 2024
 Tgl.Pengujian : 28 Juni 2024
 Jumlah : 1 Contoh Tanah Terganggu

| Nomor Contoh | Urut Laboratorium | Pengirim | Tekstur (pipet) | | | Estrak 1:2,5 | | Bahan Organik | | Terhadap Contoh Kering 105 °C | | | | | | | |
|--------------|-------------------|----------|-----------------|------|------|------------------|-----|-----------------|----------|-------------------------------|-------|----|----|------|----|--------|-----|
| | | | Pastir | Debu | Liat | H ₂ O | KCl | Walkley & Black | Kjeldahl | C/N | Olsen | Ca | Mg | K | Na | Jumlah | KTK |
| | | | % | | | % | | % | | - | | - | | - | | - | |
| 1 | FT | - | 19 | 43 | 38 | 5,68 | - | 0,82 | 0,10 | 8 | 9,89 | - | - | 0,24 | - | - | - |

Catatan :

Hasil pengujian ini hanya berlaku bagi contoh yang diuji dan tidak untuk diperbanyakan
 dimana pengambilan contoh tanah tersebut tidak dilakukan oleh pihak Laboratorium Kimia dan Kesuburan Tanah


 Makassar, 16 Juli 2024
 Kepala Laboratorium
 Dr. Ir. Muhi. Syadi, MP
 Nip. 19590926 198601 1 001

Lampiran 3. Analisis Statistik Pertumbuhan Tanaman Kacang Tanah yang diberi pupuk Nitrogen dan Fosfor

Tabel 8. Hasil Analisis Statistik Pertumbuhan Tanaman Kacang Tanah yang diberi pupuk Nitrogen dan Fosfor

Tinggi Tanaman

Between-Subjects Factors

| | Value Label | N |
|----------|-------------|---|
| Faktor P | 1 | 6 |
| | 2 | 6 |
| | 3 | 6 |
| Faktor N | 1 | 9 |
| | 2 | 9 |
| Kelompok | 1 | 6 |
| | 2 | 6 |
| | 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|--------|----------------|---|
| P1 | N1 | Kelompok 1 | 107.20 | | 1 |
| | | Kelompok 2 | 101.30 | | 1 |
| | | Kelompok 3 | 93.80 | | 1 |
| | | Total | 100.77 | 6.72 | 3 |
| | N2 | Kelompok 1 | 108.70 | | 1 |
| | | Kelompok 2 | 107.80 | | 1 |
| | | Kelompok 3 | 109.70 | | 1 |
| | | Total | 108.73 | 0.95 | 3 |
| | Total | Kelompok 1 | 107.95 | 1.06 | 2 |
| | | Kelompok 2 | 104.55 | 4.60 | 2 |
| | | Kelompok 3 | 101.75 | 11.24 | 2 |
| | | Total | 104.75 | 6.12 | 6 |
| P2 | N1 | Kelompok 1 | 108.40 | | 1 |
| | | Kelompok 2 | 110.00 | | 1 |
| | | Kelompok 3 | 108.70 | | 1 |
| | | Total | 109.03 | 0.85 | 3 |
| | N2 | Kelompok 1 | 108.90 | | 1 |
| | | Kelompok 2 | 107.30 | | 1 |
| | | Kelompok 3 | 109.90 | | 1 |
| | | Total | 108.70 | 1.31 | 3 |
| | Total | Kelompok 1 | 108.65 | 0.35 | 2 |
| | | Kelompok 2 | 108.65 | 1.91 | 2 |

| | | | | | |
|-------|-------|------------|--------|------|----|
| | | Kelompok 3 | 109.30 | 0.85 | 2 |
| | | Total | 108.87 | 1.01 | 6 |
| P3 | N1 | Kelompok 1 | 110.10 | | 1 |
| | | Kelompok 2 | 109.60 | | 1 |
| | | Kelompok 3 | 111.80 | | 1 |
| | | Total | 110.50 | 1.15 | 3 |
| | N2 | Kelompok 1 | 114.60 | | 1 |
| | | Kelompok 2 | 112.40 | | 1 |
| | | Kelompok 3 | 115.40 | | 1 |
| | | Total | 114.13 | 1.55 | 3 |
| | Total | Kelompok 1 | 112.35 | 3.18 | 2 |
| | | Kelompok 2 | 111.00 | 1.98 | 2 |
| | | Kelompok 3 | 113.60 | 2.55 | 2 |
| | | Total | 112.32 | 2.34 | 6 |
| Total | N1 | Kelompok 1 | 108.57 | 1.46 | 3 |
| | | Kelompok 2 | 106.97 | 4.91 | 3 |
| | | Kelompok 3 | 104.77 | 9.62 | 3 |
| | | Total | 106.77 | 5.70 | 9 |
| | N2 | Kelompok 1 | 110.73 | 3.35 | 3 |
| | | Kelompok 2 | 109.17 | 2.81 | 3 |
| | | Kelompok 3 | 111.67 | 3.23 | 3 |
| | | Total | 110.52 | 2.93 | 9 |
| | Total | Kelompok 1 | 109.65 | 2.60 | 6 |
| | | Kelompok 2 | 108.07 | 3.78 | 6 |
| | | Kelompok 3 | 108.22 | 7.45 | 6 |
| | | Total | 108.64 | 4.80 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 296.546 ^a | 7 | 42.364 | 4.449 | .017 |
| Intercept | 212465.076 | 1 | 212465.076 | 22313.333 | .000 |
| K | 9.168 | 2 | 4.584 | .481 | .632 |
| P | 172.208 | 2 | 86.104 | 9.043 | .006 |
| N | 63.469 | 1 | 63.469 | 6.666 | .027 |
| P * N | 51.701 | 2 | 25.851 | 2.715 | .114 |
| Error | 95.219 | 10 | 9.522 | | |
| Total | 212856.840 | 18 | | | |
| Corrected Total | 391.764 | 17 | | | |

a. R Squared = .757 (Adjusted R Squared = .587)

Faktor P * Faktor N

Dependent Variable:

| Faktor P | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|---------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| P1 | N1 | 100.767 | 1.782 | 96.797 | 104.736 |
| | N2 | 108.733 | 1.782 | 104.764 | 112.703 |
| P2 | N1 | 109.033 | 1.782 | 105.064 | 113.003 |
| | N2 | 108.700 | 1.782 | 104.730 | 112.670 |
| P3 | N1 | 110.500 | 1.782 | 106.530 | 114.470 |
| | N2 | 114.133 | 1.782 | 110.164 | 118.103 |

Tinggi TanamanDuncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|----------|----------|
| | | 1 | 2 |
| P1 | 6 | 104.7500 | |
| P2 | 6 | | 108.8667 |
| P3 | 6 | | 112.3167 |
| Sig. | | 1.000 | .082 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 9.522.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Jumlah Tangkai**Between-Subjects Factors**

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|------------|------------|------------|------------|----------------|------|
| P1 | N1 | Kelompok 1 | 6.30 | | 1 |
| | | Kelompok 2 | 6.70 | | 1 |
| | | Kelompok 3 | 6.60 | | 1 |
| | | Total | 6.53 | 0.21 | 3 |
| | N2 | Kelompok 1 | 6.80 | | 1 |
| | | Kelompok 2 | 6.90 | | 1 |
| | | Kelompok 3 | 6.70 | | 1 |
| | | Total | 6.80 | 0.10 | 3 |
| | Total | Kelompok 1 | 6.55 | 0.35 | 2 |
| | | Kelompok 2 | 6.80 | 0.14 | 2 |
| | | Kelompok 3 | 6.65 | 0.07 | 2 |
| | | Total | 6.67 | 0.21 | 6 |
| | P2 | N1 | Kelompok 1 | 6.90 | |
| Kelompok 2 | | | 7.10 | | 1 |
| Kelompok 3 | | | 7.00 | | 1 |
| Total | | | 7.00 | 0.10 | 3 |
| N2 | | Kelompok 1 | 6.90 | | 1 |
| | | Kelompok 2 | 7.20 | | 1 |
| | | Kelompok 3 | 7.10 | | 1 |
| | | Total | 7.07 | 0.15 | 3 |
| Total | | Kelompok 1 | 6.90 | 0.00 | 2 |
| | | Kelompok 2 | 7.15 | 0.07 | 2 |
| | | Kelompok 3 | 7.05 | 0.07 | 2 |
| | | Total | 7.03 | 0.12 | 6 |
| P3 | | N1 | Kelompok 1 | 7.00 | |
| | Kelompok 2 | | 7.20 | | 1 |
| | Kelompok 3 | | 7.40 | | 1 |
| | Total | | 7.20 | 0.20 | 3 |
| | N2 | Kelompok 1 | 7.60 | | 1 |
| | | Kelompok 2 | 7.30 | | 1 |
| | | Kelompok 3 | 7.50 | | 1 |
| | | Total | 7.47 | 0.15 | 3 |
| | Total | Kelompok 1 | 7.30 | 0.42 | 2 |
| | | Kelompok 2 | 7.25 | 0.07 | 2 |
| | | Kelompok 3 | 7.45 | 0.07 | 2 |
| | | Total | 7.33 | 0.22 | 6 |
| | Total | N1 | Kelompok 1 | 6.73 | 0.38 |
| Kelompok 2 | | | 7.00 | 0.26 | 3 |
| Kelompok 3 | | | 7.00 | 0.40 | 3 |

| | | | | |
|-------|------------|------|------|----|
| | Total | 6.91 | 0.33 | 9 |
| N2 | Kelompok 1 | 7.10 | 0.44 | 3 |
| | Kelompok 2 | 7.13 | 0.21 | 3 |
| | Kelompok 3 | 7.10 | 0.40 | 3 |
| | Total | 7.11 | 0.31 | 9 |
| Total | Kelompok 1 | 6.92 | 0.42 | 6 |
| | Kelompok 2 | 7.07 | 0.23 | 6 |
| | Kelompok 3 | 7.05 | 0.36 | 6 |
| | Total | 7.01 | 0.33 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 1.639 ^a | 7 | .234 | 10.696 | .001 |
| Intercept | 884.802 | 1 | 884.802 | 40422.437 | .000 |
| K | .081 | 2 | .041 | 1.853 | .207 |
| P | 1.338 | 2 | .669 | 30.558 | .000 |
| N | .180 | 1 | .180 | 8.223 | .017 |
| P * N | .040 | 2 | .020 | .914 | .432 |
| Error | .219 | 10 | .022 | | |
| Total | 886.660 | 18 | | | |
| Corrected Total | 1.858 | 17 | | | |

a. R Squared = .882 (Adjusted R Squared = .800)

Faktor P * Faktor N

Dependent Variable:

| Faktor P | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| P1 | N1 | 6.533 | .085 | 6.343 | 6.724 |
| | N2 | 6.800 | .085 | 6.610 | 6.990 |
| P2 | N1 | 7.000 | .085 | 6.810 | 7.190 |
| | N2 | 7.067 | .085 | 6.876 | 7.257 |
| P3 | N1 | 7.200 | .085 | 7.010 | 7.390 |
| | N2 | 7.467 | .085 | 7.276 | 7.657 |

Jumlah Tangkai

Duncan^{a,b}

| Faktor P | N | Subset | | |
|----------|---|--------|--------|--------|
| | | 1 | 2 | 3 |
| P1 | 6 | 6.6667 | | |
| P2 | 6 | | 7.0333 | |
| P3 | 6 | | | 7.3333 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .022.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Lampiran 4. Analisis Statistik Produksi Tanaman Kacang Tanah yang diberi pupuk Nitrogen dan Fosfor

Tabel 9. Hasil Analisis Statistik Produksi Tanaman Kacang Tanah yang diberi pupuk Nitrogen dan Fosfor

| Between-Subjects Factors | | | |
|--------------------------|-------------|------------|---|
| | Value Label | N | |
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|------------|-------|------------|--------|----------------|---|
| P1 | N1 | Kelompok 1 | 560.80 | | 1 |
| | | Kelompok 2 | 564.50 | | 1 |
| | | Kelompok 3 | 562.70 | | 1 |
| | | Total | 562.67 | 1.85 | 3 |
| | N2 | Kelompok 1 | 545.40 | | 1 |
| | | Kelompok 2 | 560.20 | | 1 |
| | | Kelompok 3 | 560.30 | | 1 |
| | | Total | 555.30 | 8.57 | 3 |
| | Total | Kelompok 1 | 553.10 | 10.89 | 2 |
| | | Kelompok 2 | 562.35 | 3.04 | 2 |
| Kelompok 3 | | 561.50 | 1.70 | 2 | |
| Total | | 558.98 | 6.86 | 6 | |
| P2 | N1 | Kelompok 1 | 564.50 | | 1 |

| | | | | | |
|-------|-------|------------|--------|------|----|
| | | Kelompok 2 | 566.30 | | 1 |
| | | Kelompok 3 | 562.90 | | 1 |
| | | Total | 564.57 | 1.70 | 3 |
| | N2 | Kelompok 1 | 560.70 | | 1 |
| | | Kelompok 2 | 561.30 | | 1 |
| | | Kelompok 3 | 564.60 | | 1 |
| | | Total | 562.20 | 2.10 | 3 |
| | Total | Kelompok 1 | 562.60 | 2.69 | 2 |
| | | Kelompok 2 | 563.80 | 3.54 | 2 |
| | | Kelompok 3 | 563.75 | 1.20 | 2 |
| | | Total | 563.38 | 2.15 | 6 |
| P3 | N1 | Kelompok 1 | 567.60 | | 1 |
| | | Kelompok 2 | 568.20 | | 1 |
| | | Kelompok 3 | 568.60 | | 1 |
| | | Total | 568.13 | 0.50 | 3 |
| | N2 | Kelompok 1 | 563.00 | | 1 |
| | | Kelompok 2 | 560.30 | | 1 |
| | | Kelompok 3 | 567.30 | | 1 |
| | | Total | 563.53 | 3.53 | 3 |
| | Total | Kelompok 1 | 565.30 | 3.25 | 2 |
| | | Kelompok 2 | 564.25 | 5.59 | 2 |
| | | Kelompok 3 | 567.95 | 0.92 | 2 |
| | | Total | 565.83 | 3.38 | 6 |
| Total | N1 | Kelompok 1 | 564.30 | 3.40 | 3 |
| | | Kelompok 2 | 566.33 | 1.85 | 3 |
| | | Kelompok 3 | 564.73 | 3.35 | 3 |
| | | Total | 565.12 | 2.72 | 9 |
| | N2 | Kelompok 1 | 556.37 | 9.57 | 3 |
| | | Kelompok 2 | 560.60 | 0.61 | 3 |
| | | Kelompok 3 | 564.07 | 3.53 | 3 |
| | | Total | 560.34 | 6.10 | 9 |
| | Total | Kelompok 1 | 560.33 | 7.75 | 6 |
| | | Kelompok 2 | 563.47 | 3.37 | 6 |
| | | Kelompok 3 | 564.40 | 3.10 | 6 |
| | | Total | 562.73 | 5.20 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|------------|------|
| Corrected Model | 320.567 ^a | 7 | 45.795 | 3.284 | .044 |
| Intercept | 5700038.480 | 1 | 5700038.480 | 408741.645 | .000 |
| K | 54.453 | 2 | 27.227 | 1.952 | .192 |
| P | 144.570 | 2 | 72.285 | 5.183 | .029 |
| N | 102.722 | 1 | 102.722 | 7.366 | .022 |
| P * N | 18.821 | 2 | 9.411 | .675 | .531 |
| Error | 139.453 | 10 | 13.945 | | |
| Total | 5700498.500 | 18 | | | |
| Corrected Total | 460.020 | 17 | | | |

a. R Squared = .697 (Adjusted R Squared = .485)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|---------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 562.667 | 2.156 | 557.863 | 567.471 |
| | P2 | 564.567 | 2.156 | 559.763 | 569.371 |
| | P3 | 568.133 | 2.156 | 563.329 | 572.937 |
| N2 | P1 | 555.300 | 2.156 | 550.496 | 560.104 |
| | P2 | 562.200 | 2.156 | 557.396 | 567.004 |
| | P3 | 563.533 | 2.156 | 558.729 | 568.337 |

Homogeneous Subsets

Berat Segar Hijauan

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|----------|----------|
| | | 1 | 2 |
| P1 | 6 | 558.9833 | |
| P2 | 6 | 563.3833 | 563.3833 |
| P3 | 6 | | 565.8333 |
| Sig. | | .069 | .282 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 13.945.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Jumlah Polong

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|------|----------------|---|
| P1 | N1 | Kelompok 1 | 3.80 | | 1 |
| | | Kelompok 2 | 3.90 | | 1 |
| | | Kelompok 3 | 3.80 | | 1 |
| | | Total | 3.83 | 0.06 | 3 |
| | N2 | Kelompok 1 | 4.30 | | 1 |
| | | Kelompok 2 | 4.40 | | 1 |
| | | Kelompok 3 | 4.50 | | 1 |
| | | Total | 4.40 | 0.10 | 3 |
| | Total | Kelompok 1 | 4.05 | 0.35 | 2 |
| | | Kelompok 2 | 4.15 | 0.35 | 2 |
| | | Kelompok 3 | 4.15 | 0.49 | 2 |
| | | Total | 4.12 | 0.32 | 6 |
| P2 | N1 | Kelompok 1 | 4.30 | | 1 |
| | | Kelompok 2 | 4.10 | | 1 |
| | | Kelompok 3 | 4.30 | | 1 |
| | | Total | 4.23 | 0.12 | 3 |
| | N2 | Kelompok 1 | 4.50 | | 1 |
| | | Kelompok 2 | 4.60 | | 1 |
| | | Kelompok 3 | 4.60 | | 1 |
| | | Total | 4.57 | 0.06 | 3 |
| | Total | Kelompok 1 | 4.40 | 0.14 | 2 |
| | | Kelompok 2 | 4.35 | 0.35 | 2 |
| | | Kelompok 3 | 4.45 | 0.21 | 2 |
| | | Total | 4.40 | 0.20 | 6 |
| P3 | N1 | Kelompok 1 | 4.70 | | 1 |
| | | Kelompok 2 | 4.50 | | 1 |
| | | Kelompok 3 | 4.30 | | 1 |
| | | Total | 4.50 | 0.20 | 3 |

| | | | | | | |
|-------|-------|------------|------------|------|------|----|
| | N2 | Kelompok 1 | 4.70 | | 1 | |
| | | Kelompok 2 | 4.60 | | 1 | |
| | | Kelompok 3 | 4.90 | | 1 | |
| | | Total | 4.73 | 0.15 | 3 | |
| Total | | Kelompok 1 | 4.70 | 0.00 | 2 | |
| | | Kelompok 2 | 4.55 | 0.07 | 2 | |
| | | Kelompok 3 | 4.60 | 0.42 | 2 | |
| | | Total | 4.62 | 0.20 | 6 | |
| Total | N1 | Kelompok 1 | 4.27 | 0.45 | 3 | |
| | | Kelompok 2 | 4.17 | 0.31 | 3 | |
| | | Kelompok 3 | 4.13 | 0.29 | 3 | |
| | | Total | 4.19 | 0.31 | 9 | |
| | N2 | Kelompok 1 | 4.50 | 0.20 | 3 | |
| | | Kelompok 2 | 4.53 | 0.12 | 3 | |
| | | Kelompok 3 | 4.67 | 0.21 | 3 | |
| | | Total | 4.57 | 0.17 | 9 | |
| | Total | | Kelompok 1 | 4.38 | 0.34 | 6 |
| | | | Kelompok 2 | 4.35 | 0.29 | 6 |
| | | | Kelompok 3 | 4.40 | 0.37 | 6 |
| | | | Total | 4.38 | 0.31 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 1.492 ^a | 7 | .213 | 11.917 | .000 |
| Intercept | 344.969 | 1 | 344.969 | 19283.975 | .000 |
| K | .008 | 2 | .004 | .217 | .808 |
| P | .754 | 2 | .377 | 21.087 | .000 |
| N | .642 | 1 | .642 | 35.901 | .000 |
| P * N | .088 | 2 | .044 | 2.453 | .136 |
| Error | .179 | 10 | .018 | | |
| Total | 346.640 | 18 | | | |
| Corrected Total | 1.671 | 17 | | | |

a. R Squared = .893 (Adjusted R Squared = .818)

Faktor P * Faktor N

Dependent Variable:

| Faktor P | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| P1 | N1 | 3.833 | .077 | 3.661 | 4.005 |
| | N2 | 4.400 | .077 | 4.228 | 4.572 |
| P2 | N1 | 4.233 | .077 | 4.061 | 4.405 |
| | N2 | 4.567 | .077 | 4.395 | 4.739 |
| P3 | N1 | 4.500 | .077 | 4.328 | 4.672 |
| | N2 | 4.733 | .077 | 4.561 | 4.905 |

Jumlah PolongDuncan^{a,b}

| Faktor P | N | Subset | | |
|----------|---|--------|--------|--------|
| | | 1 | 2 | 3 |
| P1 | 6 | 4.1167 | | |
| P2 | 6 | | 4.4000 | |
| P3 | 6 | | | 4.6167 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .018.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Berat Segar Polong dan Biji**Between-Subjects Factors**

| | Value Label | N | |
|----------|-------------|------------|---|
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|----|------------|--------|----------------|---|
| P1 | N1 | Kelompok 1 | 554.00 | | 1 |
| | | Kelompok 2 | 74.40 | | 1 |
| | | Kelompok 3 | 695.60 | | 1 |
| | | Total | 441.33 | 325.57 | 3 |

| | | | | | | |
|-------|-------|------------|------------|--------|--------|----|
| | N2 | Kelompok 1 | 768.20 | | 1 | |
| | | Kelompok 2 | 758.60 | | 1 | |
| | | Kelompok 3 | 674.20 | | 1 | |
| | | Total | 733.67 | 51.72 | 3 | |
| Total | | Kelompok 1 | 661.10 | 151.46 | 2 | |
| | | Kelompok 2 | 416.50 | 483.80 | 2 | |
| | | Kelompok 3 | 684.90 | 15.13 | 2 | |
| | | Total | 587.50 | 262.88 | 6 | |
| P2 | N1 | Kelompok 1 | 661.90 | | 1 | |
| | | Kelompok 2 | 382.00 | | 1 | |
| | | Kelompok 3 | 665.10 | | 1 | |
| | | Total | 569.67 | 162.53 | 3 | |
| | N2 | Kelompok 1 | 602.50 | | 1 | |
| | | Kelompok 2 | 554.10 | | 1 | |
| | | Kelompok 3 | 710.90 | | 1 | |
| | | Total | 622.50 | 80.29 | 3 | |
| | Total | | Kelompok 1 | 632.20 | 42.00 | 2 |
| | | | Kelompok 2 | 468.05 | 121.69 | 2 |
| | | | Kelompok 3 | 688.00 | 32.39 | 2 |
| | | | Total | 596.08 | 118.25 | 6 |
| P3 | N1 | Kelompok 1 | 674.40 | | 1 | |
| | | Kelompok 2 | 730.10 | | 1 | |
| | | Kelompok 3 | 890.50 | | 1 | |
| | | Total | 765.00 | 112.20 | 3 | |
| | N2 | Kelompok 1 | 814.20 | | 1 | |
| | | Kelompok 2 | 957.40 | | 1 | |
| | | Kelompok 3 | 956.40 | | 1 | |
| | | Total | 909.33 | 82.39 | 3 | |
| | Total | | Kelompok 1 | 744.30 | 98.85 | 2 |
| | | | Kelompok 2 | 843.75 | 160.73 | 2 |
| | | | Kelompok 3 | 923.45 | 46.60 | 2 |
| | | | Total | 837.17 | 118.32 | 6 |
| Total | N1 | Kelompok 1 | 630.10 | 66.20 | 3 | |
| | | Kelompok 2 | 395.50 | 328.06 | 3 | |
| | | Kelompok 3 | 750.40 | 122.28 | 3 | |
| | | Total | 592.00 | 237.01 | 9 | |
| | N2 | Kelompok 1 | 728.30 | 111.35 | 3 | |
| | | Kelompok 2 | 756.70 | 201.66 | 3 | |
| | | Kelompok 3 | 780.50 | 153.44 | 3 | |
| | | Total | 755.17 | 140.23 | 9 | |
| | Total | | Kelompok 1 | 679.20 | 98.01 | 6 |
| | | | Kelompok 2 | 576.10 | 313.77 | 6 |
| | | | Kelompok 3 | 765.45 | 125.18 | 6 |
| | | | Total | 673.58 | 206.72 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 512524.148 ^a | 7 | 73217.735 | 3.422 | .039 |
| Intercept | 8166861.125 | 1 | 8166861.125 | 381.681 | .000 |
| K | 107844.190 | 2 | 53922.095 | 2.520 | .130 |
| P | 241056.583 | 2 | 120528.292 | 5.633 | .023 |
| N | 119805.125 | 1 | 119805.125 | 5.599 | .040 |
| P * N | 43818.250 | 2 | 21909.125 | 1.024 | .394 |
| Error | 213970.757 | 10 | 21397.076 | | |
| Total | 8893356.030 | 18 | | | |
| Corrected Total | 726494.905 | 17 | | | |

a. R Squared = .705 (Adjusted R Squared = .499)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|---------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 441.333 | 84.453 | 253.160 | 629.507 |
| | P2 | 569.667 | 84.453 | 381.493 | 757.840 |
| | P3 | 765.000 | 84.453 | 576.826 | 953.174 |
| N2 | P1 | 733.667 | 84.453 | 545.493 | 921.840 |
| | P2 | 622.500 | 84.453 | 434.326 | 810.674 |
| | P3 | 909.333 | 84.453 | 721.160 | 1097.507 |

Homogeneous Subsets

Berat Segar Polong dan Biji

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|----------|----------|
| | | 1 | 2 |
| P1 | 6 | 587.5000 | |
| P2 | 6 | 596.0833 | |
| P3 | 6 | | 837.1667 |
| Sig. | | .921 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 21397.076.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Berat Kering Polong dan Biji
Between-Subjects Factors

| | Value Label | N | |
|----------|-------------|------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|--------|----------------|---|
| P1 | N1 | Kelompok 1 | 87.40 | | 1 |
| | | Kelompok 2 | 74.40 | | 1 |
| | | Kelompok 3 | 51.30 | | 1 |
| | | Total | 71.03 | 18.28 | 3 |
| | N2 | Kelompok 1 | 105.00 | | 1 |
| | | Kelompok 2 | 86.20 | | 1 |
| | | Kelompok 3 | 110.50 | | 1 |
| | | Total | 100.57 | 12.74 | 3 |
| | Total | Kelompok 1 | 96.20 | 12.45 | 2 |
| | | Kelompok 2 | 80.30 | 8.34 | 2 |
| | | Kelompok 3 | 80.90 | 41.86 | 2 |
| | | Total | 85.80 | 21.46 | 6 |
| P2 | N1 | Kelompok 1 | 92.00 | | 1 |
| | | Kelompok 2 | 84.60 | | 1 |
| | | Kelompok 3 | 112.60 | | 1 |
| | | Total | 96.40 | 14.51 | 3 |
| | N2 | Kelompok 1 | 120.30 | | 1 |
| | | Kelompok 2 | 91.90 | | 1 |
| | | Kelompok 3 | 91.90 | | 1 |
| | | Total | 101.37 | 16.40 | 3 |
| | Total | Kelompok 1 | 106.15 | 20.01 | 2 |
| | | Kelompok 2 | 88.25 | 5.16 | 2 |
| | | Kelompok 3 | 102.25 | 14.64 | 2 |
| | | Total | 98.88 | 14.11 | 6 |
| P3 | N1 | Kelompok 1 | 109.30 | | 1 |
| | | Kelompok 2 | 89.50 | | 1 |
| | | Kelompok 3 | 103.50 | | 1 |
| | | Total | 100.77 | 10.18 | 3 |

| | | | | | | |
|-------|-------|------------|------------|-------|-------|----|
| | N2 | Kelompok 1 | 81.80 | | 1 | |
| | | Kelompok 2 | 106.10 | | 1 | |
| | | Kelompok 3 | 69.80 | | 1 | |
| | | Total | 85.90 | 18.49 | 3 | |
| Total | | Kelompok 1 | 95.55 | 19.45 | 2 | |
| | | Kelompok 2 | 97.80 | 11.74 | 2 | |
| | | Kelompok 3 | 86.65 | 23.83 | 2 | |
| | | Total | 93.33 | 15.64 | 6 | |
| Total | N1 | Kelompok 1 | 96.23 | 11.55 | 3 | |
| | | Kelompok 2 | 82.83 | 7.70 | 3 | |
| | | Kelompok 3 | 89.13 | 33.08 | 3 | |
| | | Total | 89.40 | 18.85 | 9 | |
| | N2 | Kelompok 1 | 102.37 | 19.38 | 3 | |
| | | Kelompok 2 | 94.73 | 10.25 | 3 | |
| | | Kelompok 3 | 90.73 | 20.38 | 3 | |
| | | Total | 95.94 | 15.82 | 9 | |
| | Total | | Kelompok 1 | 99.30 | 14.66 | 6 |
| | | | Kelompok 2 | 88.78 | 10.40 | 6 |
| | | | Kelompok 3 | 89.93 | 24.59 | 6 |
| | | | Total | 92.67 | 17.21 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 2593.624 ^a | 7 | 370.518 | 1.516 | .266 |
| Intercept | 154586.534 | 1 | 154586.534 | 632.501 | .000 |
| K | 399.314 | 2 | 199.657 | .817 | .469 |
| P | 517.454 | 2 | 258.727 | 1.059 | .383 |
| N | 192.734 | 1 | 192.734 | .789 | .395 |
| P * N | 1484.121 | 2 | 742.061 | 3.036 | .093 |
| Error | 2444.052 | 10 | 244.405 | | |
| Total | 159624.210 | 18 | | | |
| Corrected Total | 5037.676 | 17 | | | |

a. R Squared = .515 (Adjusted R Squared = .175)

Estimated Marginal Means

Faktor P * Faktor N

Dependent Variable:

| Faktor P | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|---------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| P1 | N1 | 71.033 | 9.026 | 50.922 | 91.144 |
| | N2 | 100.567 | 9.026 | 80.456 | 120.678 |
| P2 | N1 | 96.400 | 9.026 | 76.289 | 116.511 |
| | N2 | 101.367 | 9.026 | 81.256 | 121.478 |
| P3 | N1 | 100.767 | 9.026 | 80.656 | 120.878 |
| | N2 | 85.900 | 9.026 | 65.789 | 106.011 |

Homogeneous Subsets

Berat Kering Polong dan Biji

Duncan^{a,b}

| Faktor P | N | Subset |
|----------|---|---------|
| | | 1 |
| P1 | 6 | 85.8000 |
| P3 | 6 | 93.3333 |
| P2 | 6 | 98.8833 |
| Sig. | | .196 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 244.405.

a. Uses Harmonic Mean

Sample Size = 6.000.

b. Alpha = ,05.

Bintil Akar Yang Efektif

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|--------|----------------|---|
| P1 | N1 | Kelompok 1 | 116.10 | | 1 |
| | | Kelompok 2 | 118.70 | | 1 |
| | | Kelompok 3 | 115.90 | | 1 |
| | | Total | 116.90 | 1.56 | 3 |
| | N2 | Kelompok 1 | 117.20 | | 1 |
| | | Kelompok 2 | 118.10 | | 1 |
| | | Kelompok 3 | 124.90 | | 1 |
| | | Total | 120.07 | 4.21 | 3 |
| | Total | Kelompok 1 | 116.65 | 0.78 | 2 |
| | | Kelompok 2 | 118.40 | 0.42 | 2 |
| | | Kelompok 3 | 120.40 | 6.36 | 2 |
| | | Total | 118.48 | 3.33 | 6 |
| P2 | N1 | Kelompok 1 | 125.70 | | 1 |
| | | Kelompok 2 | 124.50 | | 1 |
| | | Kelompok 3 | 125.10 | | 1 |
| | | Total | 125.10 | 0.60 | 3 |
| | N2 | Kelompok 1 | 126.50 | | 1 |
| | | Kelompok 2 | 126.90 | | 1 |
| | | Kelompok 3 | 125.90 | | 1 |
| | | Total | 126.43 | 0.50 | 3 |
| | Total | Kelompok 1 | 126.10 | 0.57 | 2 |
| | | Kelompok 2 | 125.70 | 1.70 | 2 |
| | | Kelompok 3 | 125.50 | 0.57 | 2 |
| | | Total | 125.77 | 0.88 | 6 |
| P3 | N1 | Kelompok 1 | 126.80 | | 1 |
| | | Kelompok 2 | 128.70 | | 1 |
| | | Kelompok 3 | 129.80 | | 1 |
| | | Total | 128.43 | 1.52 | 3 |
| | N2 | Kelompok 1 | 134.60 | | 1 |
| | | Kelompok 2 | 135.90 | | 1 |
| | | Kelompok 3 | 137.90 | | 1 |
| | | Total | 136.13 | 1.66 | 3 |
| | Total | Kelompok 1 | 130.70 | 5.52 | 2 |
| | | Kelompok 2 | 132.30 | 5.09 | 2 |
| | | Kelompok 3 | 133.85 | 5.73 | 2 |
| | | Total | 132.28 | 4.45 | 6 |
| Total | N1 | Kelompok 1 | 122.87 | 5.89 | 3 |
| | | Kelompok 2 | 123.97 | 5.02 | 3 |
| | | Kelompok 3 | 123.60 | 7.07 | 3 |
| | | Total | 123.48 | 5.26 | 9 |

| | | | | |
|-------|------------|--------|------|----|
| N2 | Kelompok 1 | 126.10 | 8.71 | 3 |
| | Kelompok 2 | 126.97 | 8.90 | 3 |
| | Kelompok 3 | 129.57 | 7.23 | 3 |
| | Total | 127.54 | 7.37 | 9 |
| Total | Kelompok 1 | 124.48 | 6.88 | 6 |
| | Kelompok 2 | 125.47 | 6.67 | 6 |
| | Kelompok 3 | 126.58 | 7.18 | 6 |
| | Total | 125.51 | 6.55 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 691.799 ^a | 7 | 98.828 | 25.711 | .000 |
| Intercept | 283554.702 | 1 | 283554.702 | 73767.664 | .000 |
| K | 13.248 | 2 | 6.624 | 1.723 | .227 |
| P | 571.908 | 2 | 285.954 | 74.392 | .000 |
| N | 74.420 | 1 | 74.420 | 19.361 | .001 |
| P * N | 32.223 | 2 | 16.112 | 4.192 | .048 |
| Error | 38.439 | 10 | 3.844 | | |
| Total | 284284.940 | 18 | | | |
| Corrected Total | 730.238 | 17 | | | |

a. R Squared = .947 (Adjusted R Squared = .911)

Estimated Marginal Means

Faktor P * Faktor N

Dependent Variable:

| Faktor P | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|---------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| P1 | N1 | 116.900 | 1.132 | 114.378 | 119.422 |
| | N2 | 120.067 | 1.132 | 117.545 | 122.589 |
| P2 | N1 | 125.100 | 1.132 | 122.578 | 127.622 |
| | N2 | 126.433 | 1.132 | 123.911 | 128.955 |
| P3 | N1 | 128.433 | 1.132 | 125.911 | 130.955 |
| | N2 | 136.133 | 1.132 | 133.611 | 138.655 |

Homogeneous Subsets

Bintil

Duncan^{a,b}

| Faktor P | N | Subset | | |
|----------|---|----------|----------|----------|
| | | 1 | 2 | 3 |
| P1 | 6 | 118.4833 | | |
| P2 | 6 | | 125.7667 | |
| P3 | 6 | | | 132.2833 |
| Sig. | | 1.000 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3.844.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

Bintil

Duncan^{a,b}

| Interaksi PxN | N | Subset | | |
|---------------|---|----------|----------|----------|
| | | 1 | 2 | 3 |
| P1N1 | 3 | 116.9000 | | |
| P1N2 | 3 | 120.0667 | | |
| P2N1 | 3 | | 125.1000 | |
| P2N2 | 3 | | 126.4333 | |
| P3N1 | 3 | | 128.4333 | |
| P3N2 | 3 | | | 136.1333 |
| Sig. | | .076 | .074 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3.844.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = 0,05.

Lampiran 5. Analisis Statistik Kandungan Bahan Kering dan Bahan Organik Jerami Kacang Tanah yang

Tabel 10. Hasil Analisis Statistik Kandungan Bahan Kering dan Bahan Organik Jerami Kacang Tanah

Kandungan Bahan Kering

Between-Subjects Factors

| | Value Label | N |
|----------|-------------|---|
| Faktor P | 1 | 6 |
| | 2 | 6 |
| | 3 | 6 |
| Faktor N | 1 | 9 |
| | 2 | 9 |
| Kelompok | 1 | 6 |
| | 2 | 6 |
| | 3 | 6 |

Descriptive Statistics

Dependent Variable:

BK

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 19.39 | | 1 |
| | | Kelompok 2 | 18.68 | | 1 |
| | | Kelompok 3 | 16.76 | | 1 |
| | | Total | 18.28 | 1.36 | 3 |
| | N2 | Kelompok 1 | 17.92 | | 1 |
| | | Kelompok 2 | 18.71 | | 1 |
| | | Kelompok 3 | 17.74 | | 1 |
| | | Total | 18.12 | 0.52 | 3 |
| | Total | Kelompok 1 | 18.66 | 1.04 | 2 |
| | | Kelompok 2 | 18.70 | 0.02 | 2 |
| | | Kelompok 3 | 17.25 | 0.69 | 2 |
| | | Total | 18.20 | 0.92 | 6 |
| P2 | N1 | Kelompok 1 | 17.02 | | 1 |
| | | Kelompok 2 | 17.18 | | 1 |
| | | Kelompok 3 | 17.20 | | 1 |
| | | Total | 17.13 | 0.10 | 3 |
| | N2 | Kelompok 1 | 12.78 | | 1 |
| | | Kelompok 2 | 16.03 | | 1 |
| | | Kelompok 3 | 13.03 | | 1 |
| | | Total | 13.95 | 1.81 | 3 |
| | Total | Kelompok 1 | 14.90 | 3.00 | 2 |

| | | | | | |
|-------|-------|------------|-------|------|----|
| | | Kelompok 2 | 16.61 | 0.81 | 2 |
| | | Kelompok 3 | 15.12 | 2.95 | 2 |
| | | Total | 15.54 | 2.09 | 6 |
| P3 | N1 | Kelompok 1 | 21.54 | | 1 |
| | | Kelompok 2 | 18.11 | | 1 |
| | | Kelompok 3 | 19.10 | | 1 |
| | | Total | 19.58 | 1.77 | 3 |
| | N2 | Kelompok 1 | 16.43 | | 1 |
| | | Kelompok 2 | 19.17 | | 1 |
| | | Kelompok 3 | 18.13 | | 1 |
| | | Total | 17.91 | 1.38 | 3 |
| | Total | Kelompok 1 | 18.99 | 3.61 | 2 |
| | | Kelompok 2 | 18.64 | 0.75 | 2 |
| | | Kelompok 3 | 18.62 | 0.69 | 2 |
| | | Total | 18.75 | 1.69 | 6 |
| Total | N1 | Kelompok 1 | 19.32 | 2.26 | 3 |
| | | Kelompok 2 | 17.99 | 0.76 | 3 |
| | | Kelompok 3 | 17.69 | 1.24 | 3 |
| | | Total | 18.33 | 1.54 | 9 |
| | N2 | Kelompok 1 | 15.71 | 2.64 | 3 |
| | | Kelompok 2 | 17.97 | 1.70 | 3 |
| | | Kelompok 3 | 16.30 | 2.84 | 3 |
| | | Total | 16.66 | 2.35 | 9 |
| | Total | Kelompok 1 | 17.51 | 2.96 | 6 |
| | | Kelompok 2 | 17.98 | 1.17 | 6 |
| | | Kelompok 3 | 16.99 | 2.10 | 6 |
| | | Total | 17.50 | 2.11 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 57.705 ^a | 7 | 8.244 | 4.597 | .015 |
| Intercept | 5509.700 | 1 | 5509.700 | 3072.560 | .000 |
| K | 2.923 | 2 | 1.462 | .815 | .470 |
| P | 35.314 | 2 | 17.657 | 9.847 | .004 |
| N | 12.567 | 1 | 12.567 | 7.008 | .024 |
| P * N | 6.901 | 2 | 3.450 | 1.924 | .196 |
| Error | 17.932 | 10 | 1.793 | | |
| Total | 5585.338 | 18 | | | |
| Corrected Total | 75.637 | 17 | | | |

a. R Squared = .763 (Adjusted R Squared = .597)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 18.277 | .773 | 16.554 | 19.999 |
| | P2 | 17.133 | .773 | 15.411 | 18.856 |
| | P3 | 19.583 | .773 | 17.861 | 21.306 |
| N2 | P1 | 18.123 | .773 | 16.401 | 19.846 |
| | P2 | 13.947 | .773 | 12.224 | 15.669 |
| | P3 | 17.910 | .773 | 16.187 | 19.633 |

Homogeneous Subsets

BK

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P2 | 6 | 15.5400 | |
| P1 | 6 | | 18.2000 |
| P3 | 6 | | 18.7467 |
| Sig. | | 1.000 | .496 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.793.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Kandungan Bahan Organik

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|------------|------------|------------|------------|----------------|------|
| P1 | N1 | Kelompok 1 | 88.13 | | 1 |
| | | Kelompok 2 | 86.94 | | 1 |
| | | Kelompok 3 | 87.12 | | 1 |
| | | Total | 87.40 | 0.64 | 3 |
| | N2 | Kelompok 1 | 89.79 | | 1 |
| | | Kelompok 2 | 89.74 | | 1 |
| | | Kelompok 3 | 88.83 | | 1 |
| | | Total | 89.45 | 0.54 | 3 |
| | Total | Kelompok 1 | 88.96 | 1.17 | 2 |
| | | Kelompok 2 | 88.34 | 1.98 | 2 |
| | | Kelompok 3 | 87.98 | 1.21 | 2 |
| | | Total | 88.43 | 1.25 | 6 |
| | P2 | N1 | Kelompok 1 | 86.45 | |
| Kelompok 2 | | | 86.42 | | 1 |
| Kelompok 3 | | | 86.56 | | 1 |
| Total | | | 86.48 | 0.07 | 3 |
| N2 | | Kelompok 1 | 89.24 | | 1 |
| | | Kelompok 2 | 89.01 | | 1 |
| | | Kelompok 3 | 88.11 | | 1 |
| | | Total | 88.79 | 0.60 | 3 |
| Total | | Kelompok 1 | 87.85 | 1.97 | 2 |
| | | Kelompok 2 | 87.72 | 1.83 | 2 |
| | | Kelompok 3 | 87.34 | 1.10 | 2 |
| | | Total | 87.63 | 1.32 | 6 |
| P3 | | N1 | Kelompok 1 | 90.21 | |
| | Kelompok 2 | | 88.53 | | 1 |
| | Kelompok 3 | | 90.30 | | 1 |
| | Total | | 89.68 | 1.00 | 3 |
| | N2 | Kelompok 1 | 87.63 | | 1 |
| | | Kelompok 2 | 88.18 | | 1 |
| | | Kelompok 3 | 87.97 | | 1 |
| | | Total | 87.93 | 0.28 | 3 |
| | Total | Kelompok 1 | 88.92 | 1.82 | 2 |
| | | Kelompok 2 | 88.36 | 0.25 | 2 |
| | | Kelompok 3 | 89.14 | 1.65 | 2 |
| | | Total | 88.80 | 1.16 | 6 |
| | Total | N1 | Kelompok 1 | 88.26 | 1.88 |
| Kelompok 2 | | | 87.30 | 1.10 | 3 |
| Kelompok 3 | | | 87.99 | 2.02 | 3 |

| | | | | |
|-------|------------|-------|------|----|
| | Total | 87.85 | 1.55 | 9 |
| N2 | Kelompok 1 | 88.89 | 1.12 | 3 |
| | Kelompok 2 | 88.98 | 0.78 | 3 |
| | Kelompok 3 | 88.30 | 0.46 | 3 |
| | Total | 88.72 | 0.79 | 9 |
| Total | Kelompok 1 | 88.58 | 1.43 | 6 |
| | Kelompok 2 | 88.14 | 1.25 | 6 |
| | Kelompok 3 | 88.15 | 1.32 | 6 |
| | Total | 88.29 | 1.27 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|------------|------|
| Corrected Model | 23.999 ^a | 7 | 3.429 | 9.728 | .001 |
| Intercept | 140301.639 | 1 | 140301.639 | 398097.890 | .000 |
| K | .749 | 2 | .374 | 1.062 | .382 |
| P | 4.291 | 2 | 2.145 | 6.087 | .019 |
| N | 3.415 | 1 | 3.415 | 9.689 | .011 |
| P * N | 15.545 | 2 | 7.773 | 22.055 | .000 |
| Error | 3.524 | 10 | .352 | | |
| Total | 140329.163 | 18 | | | |
| Corrected Total | 27.524 | 17 | | | |

a. R Squared = .872 (Adjusted R Squared = .782)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 87.397 | .343 | 86.633 | 88.160 |
| | P2 | 86.477 | .343 | 85.713 | 87.240 |
| | P3 | 89.680 | .343 | 88.916 | 90.444 |
| N2 | P1 | 89.453 | .343 | 88.690 | 90.217 |
| | P2 | 88.787 | .343 | 88.023 | 89.550 |
| | P3 | 87.927 | .343 | 87.163 | 88.690 |

Homogeneous Subsets

BO

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P2 | 6 | 87.6317 | |
| P1 | 6 | | 88.4250 |
| P3 | 6 | | 88.8033 |
| Sig. | | 1.000 | .296 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .352.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

BO

Duncan^{a,b}

| Interaksi PxN | N | Subset | | | |
|---------------|---|---------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| P2N1 | 3 | 86.4767 | | | |
| P1N1 | 3 | 87.3967 | 87.3967 | | |
| P3N2 | 3 | | 87.9267 | 87.9267 | |
| P2N2 | 3 | | | 88.7867 | 88.7867 |
| P1N2 | 3 | | | | 89.4533 |
| P3N1 | 3 | | | | 89.6800 |
| Sig. | | .087 | .300 | .106 | .109 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .352.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = ,05.

Tabel 11. Hasil Analisis Statistik Kandungan Proksimat Jerami Kacang Tanah

Protein Kasar**Between-Subjects Factors**

| | Value Label | N | |
|----------|-------------|------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 13.42 | | 1 |
| | | Kelompok 2 | 12.47 | | 1 |
| | | Kelompok 3 | 14.55 | | 1 |
| | | Total | 13.48 | 1.04 | 3 |
| | N2 | Kelompok 1 | 14.22 | | 1 |
| | | Kelompok 2 | 11.72 | | 1 |
| | | Kelompok 3 | 13.74 | | 1 |
| | | Total | 13.23 | 1.33 | 3 |
| | Total | Kelompok 1 | 13.82 | 0.57 | 2 |
| | | Kelompok 2 | 12.10 | 0.53 | 2 |
| | | Kelompok 3 | 14.15 | 0.57 | 2 |
| | | Total | 13.35 | 1.08 | 6 |
| P2 | N1 | Kelompok 1 | 13.86 | | 1 |
| | | Kelompok 2 | 12.36 | | 1 |
| | | Kelompok 3 | 13.66 | | 1 |
| | | Total | 13.29 | 0.81 | 3 |
| | N2 | Kelompok 1 | 9.85 | | 1 |
| | | Kelompok 2 | 8.90 | | 1 |
| | | Kelompok 3 | 10.33 | | 1 |
| | | Total | 9.69 | 0.73 | 3 |
| | Total | Kelompok 1 | 11.86 | 2.84 | 2 |
| | | Kelompok 2 | 10.63 | 2.45 | 2 |
| | | Kelompok 3 | 12.00 | 2.35 | 2 |
| | | Total | 11.49 | 2.09 | 6 |
| P3 | N1 | Kelompok 1 | 12.69 | | 1 |
| | | Kelompok 2 | 10.95 | | 1 |

| | | | | | |
|-------|-------|------------|-------|------|----|
| | | Kelompok 3 | 10.76 | | 1 |
| | | Total | 11.47 | 1.06 | 3 |
| N2 | | Kelompok 1 | 13.38 | | 1 |
| | | Kelompok 2 | 9.81 | | 1 |
| | | Kelompok 3 | 12.07 | | 1 |
| | | Total | 11.75 | 1.81 | 3 |
| Total | | Kelompok 1 | 13.04 | 0.49 | 2 |
| | | Kelompok 2 | 10.38 | 0.81 | 2 |
| | | Kelompok 3 | 11.42 | 0.93 | 2 |
| | | Total | 11.61 | 1.33 | 6 |
| Total | N1 | Kelompok 1 | 13.32 | 0.59 | 3 |
| | | Kelompok 2 | 11.93 | 0.85 | 3 |
| | | Kelompok 3 | 12.99 | 1.98 | 3 |
| | | Total | 12.75 | 1.28 | 9 |
| | N2 | Kelompok 1 | 12.48 | 2.32 | 3 |
| | | Kelompok 2 | 10.14 | 1.44 | 3 |
| | | Kelompok 3 | 12.05 | 1.71 | 3 |
| | | Total | 11.56 | 1.94 | 9 |
| | Total | Kelompok 1 | 12.90 | 1.58 | 6 |
| | | Kelompok 2 | 11.04 | 1.44 | 6 |
| | | Kelompok 3 | 12.52 | 1.73 | 6 |
| | | Total | 12.15 | 1.71 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 44.363 ^a | 7 | 6.338 | 12.229 | .000 |
| Intercept | 2658.177 | 1 | 2658.177 | 5129.448 | .000 |
| K | 11.678 | 2 | 5.839 | 11.268 | .003 |
| P | 13.025 | 2 | 6.512 | 12.567 | .002 |
| N | 6.361 | 1 | 6.361 | 12.274 | .006 |
| P * N | 13.299 | 2 | 6.649 | 12.831 | .002 |
| Error | 5.182 | 10 | .518 | | |
| Total | 2707.722 | 18 | | | |
| Corrected Total | 49.545 | 17 | | | |

a. R Squared = .895 (Adjusted R Squared = .822)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 13.480 | .416 | 12.554 | 14.406 |
| | P2 | 13.293 | .416 | 12.367 | 14.219 |
| | P3 | 11.467 | .416 | 10.541 | 12.393 |
| N2 | P1 | 13.227 | .416 | 12.301 | 14.153 |
| | P2 | 9.693 | .416 | 8.767 | 10.619 |
| | P3 | 11.753 | .416 | 10.827 | 12.679 |

Homogeneous Subsets

PK

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P2 | 6 | 11.4933 | |
| P3 | 6 | 11.6100 | |
| P1 | 6 | | 13.3533 |
| Sig. | | .785 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .518.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Interaksi PxN

PK

Duncan^{a,b}

| Interaksi PxN | N | Subset | | |
|---------------|---|--------|---------|---------|
| | | 1 | 2 | 3 |
| P2N2 | 3 | 9.6933 | | |
| P3N1 | 3 | | 11.4667 | |
| P3N2 | 3 | | 11.7533 | |
| P1N2 | 3 | | | 13.2267 |
| P2N1 | 3 | | | 13.2933 |
| P1N1 | 3 | | | 13.4800 |
| Sig. | | 1.000 | .636 | .690 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .518.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = .05.

Lemak Kasar

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|------|----------------|---|
| P1 | N1 | Kelompok 1 | 4.72 | | 1 |
| | | Kelompok 2 | 4.13 | | 1 |
| | | Kelompok 3 | 4.15 | | 1 |
| | | Total | 4.33 | 0.34 | 3 |
| | N2 | Kelompok 1 | 4.05 | | 1 |
| | | Kelompok 2 | 4.33 | | 1 |
| | | Kelompok 3 | 4.32 | | 1 |
| | | Total | 4.23 | 0.16 | 3 |
| | Total | Kelompok 1 | 4.39 | 0.47 | 2 |
| | | Kelompok 2 | 4.23 | 0.14 | 2 |
| | | Kelompok 3 | 4.24 | 0.12 | 2 |
| | | Total | 4.28 | 0.24 | 6 |
| P2 | N1 | Kelompok 1 | 4.28 | | 1 |
| | | Kelompok 2 | 3.99 | | 1 |
| | | Kelompok 3 | 4.39 | | 1 |
| | | Total | 4.22 | 0.21 | 3 |
| | N2 | Kelompok 1 | 3.88 | | 1 |
| | | Kelompok 2 | 3.66 | | 1 |
| | | Kelompok 3 | 4.17 | | 1 |
| | | Total | 3.90 | 0.26 | 3 |
| | Total | Kelompok 1 | 4.08 | 0.28 | 2 |
| | | Kelompok 2 | 3.83 | 0.23 | 2 |
| | | Kelompok 3 | 4.28 | 0.16 | 2 |
| | | Total | 4.06 | 0.27 | 6 |
| P3 | N1 | Kelompok 1 | 3.97 | | 1 |

| | | | | | |
|-------|----|------------|------|------|----|
| | | Kelompok 2 | 4.52 | | 1 |
| | | Kelompok 3 | 5.31 | | 1 |
| | | Total | 4.60 | 0.67 | 3 |
| N2 | | Kelompok 1 | 4.56 | | 1 |
| | | Kelompok 2 | 5.59 | | 1 |
| | | Kelompok 3 | 5.69 | | 1 |
| | | Total | 5.28 | 0.63 | 3 |
| Total | | Kelompok 1 | 4.27 | 0.42 | 2 |
| | | Kelompok 2 | 5.06 | 0.76 | 2 |
| | | Kelompok 3 | 5.50 | 0.27 | 2 |
| | | Total | 4.94 | 0.69 | 6 |
| Total | N1 | Kelompok 1 | 4.32 | 0.38 | 3 |
| | | Kelompok 2 | 4.21 | 0.27 | 3 |
| | | Kelompok 3 | 4.62 | 0.61 | 3 |
| | | Total | 4.38 | 0.43 | 9 |
| | N2 | Kelompok 1 | 4.16 | 0.35 | 3 |
| | | Kelompok 2 | 4.53 | 0.98 | 3 |
| | | Kelompok 3 | 4.73 | 0.84 | 3 |
| | | Total | 4.47 | 0.71 | 9 |
| Total | | Kelompok 1 | 4.24 | 0.34 | 6 |
| | | Kelompok 2 | 4.37 | 0.67 | 6 |
| | | Kelompok 3 | 4.67 | 0.66 | 6 |
| | | Total | 4.43 | 0.57 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 3.944 ^a | 7 | .563 | 3.521 | .036 |
| Intercept | 352.982 | 1 | 352.982 | 2205.911 | .000 |
| K | .581 | 2 | .291 | 1.816 | .212 |
| P | 2.504 | 2 | 1.252 | 7.823 | .009 |
| N | .035 | 1 | .035 | .217 | .652 |
| P * N | .824 | 2 | .412 | 2.576 | .125 |
| Error | 1.600 | 10 | .160 | | |
| Total | 358.526 | 18 | | | |
| Corrected Total | 5.544 | 17 | | | |

a. R Squared = .711 (Adjusted R Squared = .509)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 4.333 | .231 | 3.819 | 4.848 |
| | P2 | 4.220 | .231 | 3.705 | 4.735 |
| | P3 | 4.600 | .231 | 4.085 | 5.115 |
| N2 | P1 | 4.233 | .231 | 3.719 | 4.748 |
| | P2 | 3.903 | .231 | 3.389 | 4.418 |
| | P3 | 5.280 | .231 | 4.765 | 5.795 |

Homogeneous Subsets

LK

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|--------|--------|
| | | 1 | 2 |
| P2 | 6 | 4.0617 | |
| P1 | 6 | 4.2833 | |
| P3 | 6 | | 4.9400 |
| Sig. | | .360 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .160.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Serat Kasar

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|-------------------|---|
| P1 | N1 | Kelompok 1 | 30.42 | | 1 |
| | | Kelompok 2 | 29.10 | | 1 |
| | | Kelompok 3 | 33.10 | | 1 |
| | | Total | 30.87 | 2.04 | 3 |
| | N2 | Kelompok 1 | 27.17 | | 1 |
| | | Kelompok 2 | 30.63 | | 1 |
| | | Kelompok 3 | 28.20 | | 1 |
| | | Total | 28.67 | 1.78 | 3 |
| | Total | Kelompok 1 | 28.80 | 2.30 | 2 |
| | | Kelompok 2 | 29.87 | 1.08 | 2 |
| | | Kelompok 3 | 30.65 | 3.46 | 2 |
| | | Total | 29.77 | 2.09 | 6 |
| P2 | N1 | Kelompok 1 | 30.32 | | 1 |
| | | Kelompok 2 | 29.59 | | 1 |
| | | Kelompok 3 | 30.48 | | 1 |
| | | Total | 30.13 | 0.47 | 3 |
| | N2 | Kelompok 1 | 27.07 | | 1 |
| | | Kelompok 2 | 27.98 | | 1 |
| | | Kelompok 3 | 29.00 | | 1 |
| | | Total | 28.02 | 0.97 | 3 |
| | Total | Kelompok 1 | 28.70 | 2.30 | 2 |
| | | Kelompok 2 | 28.79 | 1.14 | 2 |
| | | Kelompok 3 | 29.74 | 1.05 | 2 |
| | | Total | 29.07 | 1.34 | 6 |
| P3 | N1 | Kelompok 1 | 26.49 | | 1 |
| | | Kelompok 2 | 28.40 | | 1 |
| | | Kelompok 3 | 27.16 | | 1 |
| | | Total | 27.35 | 0.97 | 3 |
| | N2 | Kelompok 1 | 26.71 | | 1 |
| | | Kelompok 2 | 26.58 | | 1 |
| | | Kelompok 3 | 29.35 | | 1 |
| | | Total | 27.55 | 1.56 | 3 |
| | Total | Kelompok 1 | 26.60 | 0.16 | 2 |
| | | Kelompok 2 | 27.49 | 1.29 | 2 |
| | | Kelompok 3 | 28.26 | 1.55 | 2 |
| | | Total | 27.45 | 1.17 | 6 |
| Total | N1 | Kelompok 1 | 29.08 | 2.24 | 3 |
| | | Kelompok 2 | 29.03 | 0.60 | 3 |
| | | Kelompok 3 | 30.25 | 2.98 | 3 |

| | | | | |
|-------|------------|-------|------|----|
| | Total | 29.45 | 1.98 | 9 |
| N2 | Kelompok 1 | 26.98 | 0.24 | 3 |
| | Kelompok 2 | 28.40 | 2.06 | 3 |
| | Kelompok 3 | 28.85 | 0.59 | 3 |
| | Total | 28.08 | 1.37 | 9 |
| Total | Kelompok 1 | 28.03 | 1.83 | 6 |
| | Kelompok 2 | 28.71 | 1.40 | 6 |
| | Kelompok 3 | 29.55 | 2.07 | 6 |
| | Total | 28.76 | 1.80 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 38.033 ^a | 7 | 5.433 | 3.242 | .045 |
| Intercept | 14892.503 | 1 | 14892.503 | 8885.182 | .000 |
| K | 6.939 | 2 | 3.470 | 2.070 | .177 |
| P | 17.032 | 2 | 8.516 | 5.081 | .030 |
| N | 8.501 | 1 | 8.501 | 5.072 | .048 |
| P * N | 5.560 | 2 | 2.780 | 1.659 | .239 |
| Error | 16.761 | 10 | 1.676 | | |
| Total | 14947.297 | 18 | | | |
| Corrected Total | 54.794 | 17 | | | |

a. R Squared = .694 (Adjusted R Squared = .480)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 30.873 | .747 | 29.208 | 32.539 |
| | P2 | 30.130 | .747 | 28.465 | 31.795 |
| | P3 | 27.350 | .747 | 25.685 | 29.015 |
| N2 | P1 | 28.667 | .747 | 27.001 | 30.332 |
| | P2 | 28.017 | .747 | 26.351 | 29.682 |
| | P3 | 27.547 | .747 | 25.881 | 29.212 |

Homogeneous Subsets

SK

Duncan^{a,b}

| Faktor P | N | Subset |
|----------|---|--------|
| | | |

| | | 1 | 2 |
|------|---|---------|---------|
| P3 | 6 | 27.4483 | |
| P2 | 6 | 29.0733 | 29.0733 |
| P1 | 6 | | 29.7700 |
| Sig. | | .055 | .373 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.676.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

BETN

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 41.26 | | 1 |
| | | Kelompok 2 | 43.19 | | 1 |
| | | Kelompok 3 | 43.10 | | 1 |
| | | Total | 42.52 | 1.09 | 3 |
| | N2 | Kelompok 1 | 44.35 | | 1 |
| | | Kelompok 2 | 37.50 | | 1 |
| | | Kelompok 3 | 42.56 | | 1 |
| | | Total | 41.47 | 3.55 | 3 |
| | Total | Kelompok 1 | 42.81 | 2.18 | 2 |
| | | Kelompok 2 | 40.35 | 4.02 | 2 |
| | | Kelompok 3 | 42.83 | 0.38 | 2 |
| | | Total | 41.99 | 2.42 | 6 |
| P2 | N1 | Kelompok 1 | 37.83 | | 1 |
| | | Kelompok 2 | 40.48 | | 1 |
| | | Kelompok 3 | 43.49 | | 1 |
| | | Total | 40.60 | 2.83 | 3 |
| | N2 | Kelompok 1 | 49.63 | | 1 |
| | | Kelompok 2 | 48.47 | | 1 |

| | | | | | |
|-------|-------|------------|-------|------|----|
| | | Kelompok 3 | 43.29 | | 1 |
| | | Total | 47.13 | 3.38 | 3 |
| | Total | Kelompok 1 | 43.73 | 8.34 | 2 |
| | | Kelompok 2 | 44.48 | 5.65 | 2 |
| | | Kelompok 3 | 43.39 | 0.14 | 2 |
| | | Total | 43.87 | 4.53 | 6 |
| P3 | N1 | Kelompok 1 | 49.93 | | 1 |
| | | Kelompok 2 | 43.96 | | 1 |
| | | Kelompok 3 | 42.11 | | 1 |
| | | Total | 45.33 | 4.09 | 3 |
| | N2 | Kelompok 1 | 41.91 | | 1 |
| | | Kelompok 2 | 42.08 | | 1 |
| | | Kelompok 3 | 42.53 | | 1 |
| | | Total | 42.17 | 0.32 | 3 |
| | Total | Kelompok 1 | 45.92 | 5.67 | 2 |
| | | Kelompok 2 | 43.02 | 1.33 | 2 |
| | | Kelompok 3 | 42.32 | 0.30 | 2 |
| | | Total | 43.75 | 3.12 | 6 |
| Total | N1 | Kelompok 1 | 43.01 | 6.24 | 3 |
| | | Kelompok 2 | 42.54 | 1.83 | 3 |
| | | Kelompok 3 | 42.90 | 0.71 | 3 |
| | | Total | 42.82 | 3.28 | 9 |
| | N2 | Kelompok 1 | 45.30 | 3.95 | 3 |
| | | Kelompok 2 | 42.68 | 5.51 | 3 |
| | | Kelompok 3 | 42.79 | 0.43 | 3 |
| | | Total | 43.59 | 3.63 | 9 |
| | Total | Kelompok 1 | 44.15 | 4.83 | 6 |
| | | Kelompok 2 | 42.61 | 3.67 | 6 |
| | | Kelompok 3 | 42.85 | 0.53 | 6 |
| | | Total | 43.20 | 3.38 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 102.057 ^a | 7 | 14.580 | 1.588 | .245 |
| Intercept | 33598.368 | 1 | 33598.368 | 3659.573 | .000 |
| K | 8.248 | 2 | 4.124 | .449 | .650 |
| P | 13.226 | 2 | 6.613 | .720 | .510 |
| N | 2.699 | 1 | 2.699 | .294 | .600 |
| P * N | 77.884 | 2 | 38.942 | 4.242 | .046 |
| Error | 91.810 | 10 | 9.181 | | |
| Total | 33792.235 | 18 | | | |

| | | | | | |
|-----------------|---------|----|--|--|--|
| Corrected Total | 193.867 | 17 | | | |
|-----------------|---------|----|--|--|--|

a. R Squared = .526 (Adjusted R Squared = .195)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 42.517 | 1.749 | 38.619 | 46.415 |
| | P2 | 40.600 | 1.749 | 36.702 | 44.498 |
| | P3 | 45.333 | 1.749 | 41.435 | 49.231 |
| N2 | P1 | 41.470 | 1.749 | 37.572 | 45.368 |
| | P2 | 47.130 | 1.749 | 43.232 | 51.028 |
| | P3 | 42.173 | 1.749 | 38.275 | 46.071 |

Homogeneous Subsets

BETN

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|--|
| | | 1 | |
| P1 | 6 | 41.9933 | |
| P3 | 6 | 43.7533 | |
| P2 | 6 | 43.8650 | |
| Sig. | | .331 | |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 9.181.

a. Uses Harmonic Mean Sample

Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

BETN

Duncan^{a,b}

| Interaksi PxN | N | Subset | |
|---------------|---|---------|---------|
| | | 1 | 2 |
| P2N1 | 3 | 40.6000 | |
| P1N2 | 3 | 41.4700 | 41.4700 |
| P3N2 | 3 | 42.1733 | 42.1733 |
| P1N1 | 3 | 42.5167 | 42.5167 |
| P3N1 | 3 | 45.3333 | 45.3333 |
| P2N2 | 3 | | 47.1300 |
| Sig. | | .109 | .062 |

ABU

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 11.87 | | 1 |
| | | Kelompok 2 | 13.06 | | 1 |
| | | Kelompok 3 | 12.88 | | 1 |
| | | Total | 12.60 | 0.64 | 3 |
| | N2 | Kelompok 1 | 10.21 | | 1 |
| | | Kelompok 2 | 10.26 | | 1 |
| | | Kelompok 3 | 11.17 | | 1 |
| | | Total | 10.55 | 0.54 | 3 |
| | Total | Kelompok 1 | 11.04 | 1.17 | 2 |
| | | Kelompok 2 | 11.66 | 1.98 | 2 |
| | | Kelompok 3 | 12.03 | 1.21 | 2 |
| | | Total | 11.58 | 1.25 | 6 |
| P2 | N1 | Kelompok 1 | 13.55 | | 1 |
| | | Kelompok 2 | 13.58 | | 1 |
| | | Kelompok 3 | 13.44 | | 1 |
| | | Total | 13.52 | 0.07 | 3 |
| | N2 | Kelompok 1 | 10.76 | | 1 |
| | | Kelompok 2 | 10.99 | | 1 |
| | | Kelompok 3 | 11.89 | | 1 |
| | | Total | 11.21 | 0.60 | 3 |
| | Total | Kelompok 1 | 12.16 | 1.97 | 2 |
| | | Kelompok 2 | 12.29 | 1.83 | 2 |
| | | Kelompok 3 | 12.67 | 1.10 | 2 |
| | | Total | 12.37 | 1.32 | 6 |
| P3 | N1 | Kelompok 1 | 9.79 | | 1 |

| | | | | | |
|-------|-------|------------|-------|------|----|
| | | Kelompok 2 | 11.47 | | 1 |
| | | Kelompok 3 | 9.70 | | 1 |
| | | Total | 10.32 | 1.00 | 3 |
| N2 | | Kelompok 1 | 12.37 | | 1 |
| | | Kelompok 2 | 11.82 | | 1 |
| | | Kelompok 3 | 12.03 | | 1 |
| | | Total | 12.07 | 0.28 | 3 |
| Total | | Kelompok 1 | 11.08 | 1.82 | 2 |
| | | Kelompok 2 | 11.65 | 0.25 | 2 |
| | | Kelompok 3 | 10.87 | 1.65 | 2 |
| | | Total | 11.20 | 1.16 | 6 |
| Total | N1 | Kelompok 1 | 11.74 | 1.88 | 3 |
| | | Kelompok 2 | 12.70 | 1.10 | 3 |
| | | Kelompok 3 | 12.01 | 2.02 | 3 |
| | | Total | 12.15 | 1.55 | 9 |
| | N2 | Kelompok 1 | 11.11 | 1.12 | 3 |
| | | Kelompok 2 | 11.02 | 0.78 | 3 |
| | | Kelompok 3 | 11.70 | 0.46 | 3 |
| | | Total | 11.28 | 0.79 | 9 |
| | Total | Kelompok 1 | 11.43 | 1.43 | 6 |
| | | Kelompok 2 | 11.86 | 1.25 | 6 |
| | | Kelompok 3 | 11.85 | 1.32 | 6 |
| | | Total | 11.71 | 1.27 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 23.999 ^a | 7 | 3.429 | 9.728 | .001 |
| Intercept | 2469.639 | 1 | 2469.639 | 7007.460 | .000 |
| K | .749 | 2 | .374 | 1.062 | .382 |
| P | 4.291 | 2 | 2.145 | 6.087 | .019 |
| N | 3.415 | 1 | 3.415 | 9.689 | .011 |
| P * N | 15.545 | 2 | 7.773 | 22.055 | .000 |
| Error | 3.524 | 10 | .352 | | |
| Total | 2497.163 | 18 | | | |
| Corrected Total | 27.524 | 17 | | | |

a. R Squared = .872 (Adjusted R Squared = .782)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 12.603 | .343 | 11.840 | 13.367 |
| | P2 | 13.523 | .343 | 12.760 | 14.287 |
| | P3 | 10.320 | .343 | 9.556 | 11.084 |
| N2 | P1 | 10.547 | .343 | 9.783 | 11.310 |
| | P2 | 11.213 | .343 | 10.450 | 11.977 |
| | P3 | 12.073 | .343 | 11.310 | 12.837 |

Homogeneous Subsets

ABU

Duncan^{a,b}

| Faktor P | N | Subset | | |
|----------|---|---------|---------|---|
| | | 1 | 2 | |
| P3 | 6 | 11.1967 | | a |
| P1 | 6 | 11.5750 | | a |
| P2 | 6 | | 12.3683 | b |
| Sig. | | .296 | 1.000 | |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .352.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Interaksi PxN

ABU

Duncan^{a,b}

| Interaksi PxN | N | Subset | | | |
|---------------|---|---------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| P3N1 | 3 | 10.3200 | | | |
| P1N2 | 3 | 10.5467 | | | |
| P2N2 | 3 | 11.2133 | 11.2133 | | |
| P3N2 | 3 | | 12.0733 | 12.0733 | |
| P1N1 | 3 | | | 12.6033 | 12.6033 |
| P2N1 | 3 | | | | 13.5233 |
| Sig. | | .109 | .106 | .300 | .087 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .352.

- a. Uses Harmonic Mean Sample Size = 3.000.
b. Alpha = ,05.

Lampiran 6. Analisis Statistik Van Soest Jerami Kacang Tanah

Tabel 12. Hasil Analisis Statistik Van Soest Jerami Kacang

ADF

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 34.21 | | 1 |
| | | Kelompok 2 | 34.98 | | 1 |
| | | Kelompok 3 | 34.83 | | 1 |
| | | Total | 34.67 | 0.41 | 3 |
| | N2 | Kelompok 1 | 37.22 | | 1 |
| | | Kelompok 2 | 38.37 | | 1 |
| | | Kelompok 3 | 39.24 | | 1 |
| | | Total | 38.28 | 1.01 | 3 |
| | Total | Kelompok 1 | 35.72 | 2.13 | 2 |
| | | Kelompok 2 | 36.68 | 2.40 | 2 |
| | | Kelompok 3 | 37.04 | 3.12 | 2 |
| | | Total | 36.48 | 2.09 | 6 |
| P2 | N1 | Kelompok 1 | 39.14 | | 1 |
| | | Kelompok 2 | 36.52 | | 1 |
| | | Kelompok 3 | 40.88 | | 1 |
| | | Total | 38.85 | 2.19 | 3 |
| | N2 | Kelompok 1 | 41.19 | | 1 |
| | | Kelompok 2 | 42.65 | | 1 |
| | | Kelompok 3 | 39.37 | | 1 |
| | | Total | 41.07 | 1.64 | 3 |
| | Total | Kelompok 1 | 40.17 | 1.45 | 2 |

| | | | | | |
|-------|-------|------------|-------|------|----|
| | | Kelompok 2 | 39.59 | 4.33 | 2 |
| | | Kelompok 3 | 40.13 | 1.07 | 2 |
| | | Total | 39.96 | 2.12 | 6 |
| P3 | N1 | Kelompok 1 | 36.23 | | 1 |
| | | Kelompok 2 | 38.57 | | 1 |
| | | Kelompok 3 | 39.22 | | 1 |
| | | Total | 38.01 | 1.57 | 3 |
| | N2 | Kelompok 1 | 36.55 | | 1 |
| | | Kelompok 2 | 36.42 | | 1 |
| | | Kelompok 3 | 37.51 | | 1 |
| | | Total | 36.83 | 0.60 | 3 |
| | Total | Kelompok 1 | 36.39 | 0.23 | 2 |
| | | Kelompok 2 | 37.50 | 1.52 | 2 |
| | | Kelompok 3 | 38.37 | 1.21 | 2 |
| | | Total | 37.42 | 1.24 | 6 |
| Total | N1 | Kelompok 1 | 36.53 | 2.48 | 3 |
| | | Kelompok 2 | 36.69 | 1.80 | 3 |
| | | Kelompok 3 | 38.31 | 3.13 | 3 |
| | | Total | 37.18 | 2.35 | 9 |
| | N2 | Kelompok 1 | 38.32 | 2.51 | 3 |
| | | Kelompok 2 | 39.15 | 3.19 | 3 |
| | | Kelompok 3 | 38.71 | 1.04 | 3 |
| | | Total | 38.72 | 2.12 | 9 |
| | Total | Kelompok 1 | 37.42 | 2.44 | 6 |
| | | Kelompok 2 | 37.92 | 2.68 | 6 |
| | | Kelompok 3 | 38.51 | 2.09 | 6 |
| | | Total | 37.95 | 2.31 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 71.481 ^a | 7 | 10.212 | 5.227 | .010 |
| Intercept | 25923.645 | 1 | 25923.645 | 13270.064 | .000 |
| K | 3.541 | 2 | 1.770 | .906 | .435 |
| P | 38.961 | 2 | 19.480 | 9.972 | .004 |
| N | 10.796 | 1 | 10.796 | 5.526 | .041 |
| P * N | 18.184 | 2 | 9.092 | 4.654 | .037 |
| Error | 19.535 | 10 | 1.954 | | |
| Total | 26014.661 | 18 | | | |
| Corrected Total | 91.016 | 17 | | | |

a. R Squared = .785 (Adjusted R Squared = .635)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 34.673 | .807 | 32.875 | 36.471 |
| | P2 | 38.847 | .807 | 37.049 | 40.645 |
| | P3 | 38.007 | .807 | 36.209 | 39.805 |
| N2 | P1 | 38.277 | .807 | 36.479 | 40.075 |
| | P2 | 41.070 | .807 | 39.272 | 42.868 |
| | P3 | 36.827 | .807 | 35.029 | 38.625 |

Homogeneous Subsets

ADF

Duncan^{a,b}

| Faktor P | N | Subset | | |
|----------|---|---------|---------|---|
| | | 1 | 2 | |
| P1 | 6 | 36.4750 | | a |
| P3 | 6 | 37.4167 | | a |
| P2 | 6 | | 39.9583 | b |
| Sig. | | .270 | 1.000 | |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.954.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

ADF

Duncan^{a,b}

| Interaksi PxN | N | Subset | | |
|---------------|---|---------|---------|---------|
| | | 1 | 2 | 3 |
| P1N1 | 3 | 34.6733 | | |
| P3N2 | 3 | 36.8267 | 36.8267 | |
| P3N1 | 3 | | 38.0067 | |
| P1N2 | 3 | | 38.2767 | |
| P2N1 | 3 | | 38.8467 | 38.8467 |
| P2N2 | 3 | | | 41.0700 |
| Sig. | | .089 | .130 | .080 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.954.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = ,05.

NDF**Between-Subjects Factors**

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 41.13 | | 1 |
| | | Kelompok 2 | 42.04 | | 1 |
| | | Kelompok 3 | 41.58 | | 1 |
| | | Total | 41.58 | 0.46 | 3 |
| | N2 | Kelompok 1 | 47.47 | | 1 |
| | | Kelompok 2 | 46.24 | | 1 |
| | | Kelompok 3 | 45.36 | | 1 |
| | | Total | 46.36 | 1.06 | 3 |
| | Total | Kelompok 1 | 44.30 | 4.48 | 2 |
| | | Kelompok 2 | 44.14 | 2.97 | 2 |
| | | Kelompok 3 | 43.47 | 2.67 | 2 |
| | | Total | 43.97 | 2.71 | 6 |
| P2 | N1 | Kelompok 1 | 44.14 | | 1 |
| | | Kelompok 2 | 48.82 | | 1 |
| | | Kelompok 3 | 45.73 | | 1 |
| | | Total | 46.23 | 2.38 | 3 |
| | N2 | Kelompok 1 | 49.91 | | 1 |
| | | Kelompok 2 | 46.88 | | 1 |
| | | Kelompok 3 | 47.17 | | 1 |
| | | Total | 47.99 | 1.67 | 3 |
| | Total | Kelompok 1 | 47.03 | 4.08 | 2 |
| | | Kelompok 2 | 47.85 | 1.37 | 2 |
| | | Kelompok 3 | 46.45 | 1.02 | 2 |
| | | Total | 47.11 | 2.08 | 6 |
| P3 | N1 | Kelompok 1 | 47.49 | | 1 |
| | | Kelompok 2 | 44.47 | | 1 |
| | | Kelompok 3 | 44.06 | | 1 |
| | | Total | 45.34 | 1.87 | 3 |
| | N2 | Kelompok 1 | 44.33 | | 1 |

| | | | | | |
|-------|----|------------|-------|------|----|
| | | Kelompok 2 | 48.34 | | 1 |
| | | Kelompok 3 | 43.30 | | 1 |
| | | Total | 45.32 | 2.66 | 3 |
| Total | | Kelompok 1 | 45.91 | 2.23 | 2 |
| | | Kelompok 2 | 46.41 | 2.74 | 2 |
| | | Kelompok 3 | 43.68 | 0.54 | 2 |
| | | Total | 45.33 | 2.06 | 6 |
| Total | N1 | Kelompok 1 | 44.25 | 3.18 | 3 |
| | | Kelompok 2 | 45.11 | 3.44 | 3 |
| | | Kelompok 3 | 43.79 | 2.09 | 3 |
| | | Total | 44.38 | 2.63 | 9 |
| | N2 | Kelompok 1 | 47.24 | 2.80 | 3 |
| | | Kelompok 2 | 47.15 | 1.08 | 3 |
| | | Kelompok 3 | 45.28 | 1.94 | 3 |
| | | Total | 46.56 | 2.03 | 9 |
| Total | | Kelompok 1 | 45.75 | 3.14 | 6 |
| | | Kelompok 2 | 46.13 | 2.54 | 6 |
| | | Kelompok 3 | 44.53 | 1.98 | 6 |
| | | Total | 45.47 | 2.54 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 76.871 ^a | 7 | 10.982 | 3.386 | .040 |
| Intercept | 37215.376 | 1 | 37215.376 | 11475.024 | .000 |
| K | 8.345 | 2 | 4.172 | 1.286 | .318 |
| P | 29.720 | 2 | 14.860 | 4.582 | .039 |
| N | 21.212 | 1 | 21.212 | 6.540 | .028 |
| P * N | 17.595 | 2 | 8.797 | 2.713 | .115 |
| Error | 32.432 | 10 | 3.243 | | |
| Total | 37324.678 | 18 | | | |
| Corrected Total | 109.302 | 17 | | | |

a. R Squared = .703 (Adjusted R Squared = .496)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 41.583 | 1.040 | 39.267 | 43.900 |
| | P2 | 46.230 | 1.040 | 43.913 | 48.547 |
| | P3 | 45.340 | 1.040 | 43.023 | 47.657 |
| N2 | P1 | 46.357 | 1.040 | 44.040 | 48.673 |
| | P2 | 47.987 | 1.040 | 45.670 | 50.303 |
| | P3 | 45.323 | 1.040 | 43.007 | 47.640 |

Homogeneous Subsets

NDF

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P1 | 6 | 43.9700 | |
| P3 | 6 | 45.3317 | 45.3317 |
| P2 | 6 | | 47.1083 |
| Sig. | | .220 | .118 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3.243.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Selulosa

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 29.54 | | 1 |
| | | Kelompok 2 | 26.94 | | 1 |
| | | Kelompok 3 | 27.08 | | 1 |
| | | Total | 27.85 | 1.46 | 3 |
| | N2 | Kelompok 1 | 34.58 | | 1 |
| | | Kelompok 2 | 32.87 | | 1 |
| | | Kelompok 3 | 30.67 | | 1 |
| | | Total | 32.71 | 1.96 | 3 |
| | Total | Kelompok 1 | 32.06 | 3.56 | 2 |
| | | Kelompok 2 | 29.91 | 4.19 | 2 |
| | | Kelompok 3 | 28.88 | 2.54 | 2 |
| | | Total | 30.28 | 3.08 | 6 |
| P2 | N1 | Kelompok 1 | 28.53 | | 1 |
| | | Kelompok 2 | 27.64 | | 1 |
| | | Kelompok 3 | 30.10 | | 1 |
| | | Total | 28.76 | 1.25 | 3 |
| | N2 | Kelompok 1 | 30.24 | | 1 |
| | | Kelompok 2 | 30.31 | | 1 |
| | | Kelompok 3 | 29.99 | | 1 |
| | | Total | 30.18 | 0.17 | 3 |
| | Total | Kelompok 1 | 29.39 | 1.21 | 2 |
| | | Kelompok 2 | 28.98 | 1.89 | 2 |
| | | Kelompok 3 | 30.05 | 0.08 | 2 |
| | | Total | 29.47 | 1.11 | 6 |
| P3 | N1 | Kelompok 1 | 25.98 | | 1 |
| | | Kelompok 2 | 28.04 | | 1 |
| | | Kelompok 3 | 28.73 | | 1 |
| | | Total | 27.58 | 1.43 | 3 |
| | N2 | Kelompok 1 | 28.42 | | 1 |
| | | Kelompok 2 | 27.23 | | 1 |
| | | Kelompok 3 | 27.26 | | 1 |
| | | Total | 27.64 | 0.68 | 3 |
| | Total | Kelompok 1 | 27.20 | 1.73 | 2 |
| | | Kelompok 2 | 27.64 | 0.57 | 2 |
| | | Kelompok 3 | 28.00 | 1.04 | 2 |
| | | Total | 27.61 | 1.00 | 6 |
| Total | N1 | Kelompok 1 | 28.02 | 1.83 | 3 |
| | | Kelompok 2 | 27.54 | 0.56 | 3 |
| | | Kelompok 3 | 28.64 | 1.51 | 3 |
| | | Total | 28.06 | 1.31 | 9 |

| | | | | |
|-------|------------|-------|------|----|
| N2 | Kelompok 1 | 31.08 | 3.16 | 3 |
| | Kelompok 2 | 30.14 | 2.82 | 3 |
| | Kelompok 3 | 29.31 | 1.80 | 3 |
| | Total | 30.17 | 2.43 | 9 |
| Total | Kelompok 1 | 29.55 | 2.86 | 6 |
| | Kelompok 2 | 28.84 | 2.31 | 6 |
| | Kelompok 3 | 28.97 | 1.53 | 6 |
| | Total | 29.12 | 2.18 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 62.566 ^a | 7 | 8.938 | 4.851 | .013 |
| Intercept | 15262.957 | 1 | 15262.957 | 8283.071 | .000 |
| K | 1.709 | 2 | .854 | .464 | .642 |
| P | 22.482 | 2 | 11.241 | 6.100 | .019 |
| N | 20.034 | 1 | 20.034 | 10.873 | .008 |
| P * N | 18.341 | 2 | 9.170 | 4.977 | .032 |
| Error | 18.427 | 10 | 1.843 | | |
| Total | 15343.950 | 18 | | | |
| Corrected Total | 80.993 | 17 | | | |

a. R Squared = .772 (Adjusted R Squared = .613)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 27.853 | .784 | 26.107 | 29.600 |
| | P2 | 28.757 | .784 | 27.010 | 30.503 |
| | P3 | 27.583 | .784 | 25.837 | 29.330 |
| N2 | P1 | 32.707 | .784 | 30.960 | 34.453 |
| | P2 | 30.180 | .784 | 28.434 | 31.926 |
| | P3 | 27.637 | .784 | 25.890 | 29.383 |

Homogeneous Subsets

SELULOSA

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P3 | 6 | 27.6100 | |
| P2 | 6 | | 29.4683 |
| P1 | 6 | | 30.2800 |
| Sig. | | 1.000 | .325 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.843.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

SELULOSA

Duncan^{a,b}

| Interaksi PxN | N | Subset | |
|---------------|---|---------|---------|
| | | 1 | 2 |
| P3N1 | 3 | 27.5833 | |
| P3N2 | 3 | 27.6367 | |
| P1N1 | 3 | 27.8533 | |
| P2N1 | 3 | 28.7567 | |
| P2N2 | 3 | 30.1800 | |
| P1N2 | 3 | | 32.7067 |
| Sig. | | .057 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.843.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = ,05.

Hemiselulosa

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N | |
|----------|-------|------------|------------|----------------|------|---|
| P1 | N1 | Kelompok 1 | 6.12 | | 1 | |
| | | Kelompok 2 | 7.06 | | 1 | |
| | | Kelompok 3 | 7.88 | | 1 | |
| | | Total | 7.02 | 0.88 | 3 | |
| | N2 | Kelompok 1 | 4.82 | | 1 | |
| | | Kelompok 2 | 6.75 | | 1 | |
| | | Kelompok 3 | 4.71 | | 1 | |
| | | Total | 5.43 | 1.15 | 3 | |
| | Total | Kelompok 1 | 5.47 | 0.92 | 2 | |
| | | Kelompok 2 | 6.91 | 0.22 | 2 | |
| | | Kelompok 3 | 6.30 | 2.24 | 2 | |
| | | Total | 6.22 | 1.26 | 6 | |
| | P2 | N1 | Kelompok 1 | 14.13 | | 1 |
| | | | Kelompok 2 | 12.30 | | 1 |
| | | | Kelompok 3 | 8.72 | | 1 |
| Total | | | 11.72 | 2.75 | 3 | |
| N2 | | Kelompok 1 | 4.85 | | 1 | |
| | | Kelompok 2 | 9.66 | | 1 | |
| | | Kelompok 3 | 7.80 | | 1 | |
| | | Total | 7.44 | 2.43 | 3 | |
| Total | | Kelompok 1 | 9.49 | 6.56 | 2 | |
| | | Kelompok 2 | 10.98 | 1.87 | 2 | |
| | | Kelompok 3 | 8.26 | 0.65 | 2 | |
| | | Total | 9.58 | 3.30 | 6 | |
| P3 | | N1 | Kelompok 1 | 11.26 | | 1 |
| | | | Kelompok 2 | 7.78 | | 1 |
| | | | Kelompok 3 | 4.84 | | 1 |
| | Total | | 7.96 | 3.21 | 3 | |
| | N2 | Kelompok 1 | 5.90 | | 1 | |
| | | Kelompok 2 | 5.00 | | 1 | |
| | | Kelompok 3 | 5.80 | | 1 | |
| | | Total | 5.57 | 0.49 | 3 | |
| | Total | Kelompok 1 | 8.58 | 3.79 | 2 | |
| | | Kelompok 2 | 6.39 | 1.97 | 2 | |
| | | Kelompok 3 | 5.32 | 0.68 | 2 | |
| | | Total | 6.76 | 2.44 | 6 | |
| | Total | N1 | Kelompok 1 | 10.50 | 4.06 | 3 |
| | | | Kelompok 2 | 9.05 | 2.84 | 3 |
| | | | Kelompok 3 | 7.15 | 2.04 | 3 |

| | | | | |
|-------|------------|------|------|----|
| | Total | 8.90 | 3.05 | 9 |
| N2 | Kelompok 1 | 5.19 | 0.62 | 3 |
| | Kelompok 2 | 7.14 | 2.35 | 3 |
| | Kelompok 3 | 6.10 | 1.57 | 3 |
| | Total | 6.14 | 1.67 | 9 |
| Total | Kelompok 1 | 7.85 | 3.90 | 6 |
| | Kelompok 2 | 8.09 | 2.56 | 6 |
| | Kelompok 3 | 6.63 | 1.73 | 6 |
| | Total | 7.52 | 2.78 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 86.188 ^a | 7 | 12.313 | 2.746 | .072 |
| Intercept | 1018.208 | 1 | 1018.208 | 227.122 | .000 |
| K | 7.407 | 2 | 3.704 | .826 | .466 |
| P | 38.903 | 2 | 19.451 | 4.339 | .044 |
| N | 34.169 | 1 | 34.169 | 7.622 | .020 |
| P * N | 5.709 | 2 | 2.854 | .637 | .549 |
| Error | 44.831 | 10 | 4.483 | | |
| Total | 1149.226 | 18 | | | |
| Corrected Total | 131.018 | 17 | | | |

a. R Squared = .658 (Adjusted R Squared = .418)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 7.020 | 1.222 | 4.296 | 9.744 |
| | P2 | 11.717 | 1.222 | 8.993 | 14.440 |
| | P3 | 7.960 | 1.222 | 5.236 | 10.684 |
| N2 | P1 | 5.427 | 1.222 | 2.703 | 8.150 |
| | P2 | 7.437 | 1.222 | 4.713 | 10.160 |
| | P3 | 5.567 | 1.222 | 2.843 | 8.290 |

Homogeneous Subsets

HEMISELULOSA

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|--------|--------|
| | | 1 | 2 |
| P1 | 6 | 6.2233 | |
| P3 | 6 | 6.7633 | |
| P2 | 6 | | 9.5767 |
| Sig. | | .668 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 4.483.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Lignin

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|------------|-------|------------|------|----------------|---|
| P1 | N1 | Kelompok 1 | 7.37 | | 1 |
| | | Kelompok 2 | 7.26 | | 1 |
| | | Kelompok 3 | 6.45 | | 1 |
| | | Total | 7.03 | 0.50 | 3 |
| | N2 | Kelompok 1 | 7.35 | | 1 |
| | | Kelompok 2 | 7.57 | | 1 |
| | | Kelompok 3 | 7.59 | | 1 |
| | | Total | 7.50 | 0.13 | 3 |
| | Total | Kelompok 1 | 7.36 | 0.01 | 2 |
| | | Kelompok 2 | 7.42 | 0.22 | 2 |
| Kelompok 3 | | 7.02 | 0.81 | 2 | |
| Total | | 7.27 | 0.42 | 6 | |
| P2 | N1 | Kelompok 1 | 8.50 | | 1 |

| | | | | | |
|-------|-------|------------|------|------|----|
| | | Kelompok 2 | 8.99 | | 1 |
| | | Kelompok 3 | 9.05 | | 1 |
| | | Total | 8.85 | 0.30 | 3 |
| | N2 | Kelompok 1 | 8.00 | | 1 |
| | | Kelompok 2 | 7.74 | | 1 |
| | | Kelompok 3 | 7.39 | | 1 |
| | | Total | 7.71 | 0.31 | 3 |
| | Total | Kelompok 1 | 8.25 | 0.35 | 2 |
| | | Kelompok 2 | 8.37 | 0.88 | 2 |
| | | Kelompok 3 | 8.22 | 1.17 | 2 |
| | | Total | 8.28 | 0.68 | 6 |
| P3 | N1 | Kelompok 1 | 8.23 | | 1 |
| | | Kelompok 2 | 7.87 | | 1 |
| | | Kelompok 3 | 8.32 | | 1 |
| | | Total | 8.14 | 0.24 | 3 |
| | N2 | Kelompok 1 | 7.01 | | 1 |
| | | Kelompok 2 | 6.49 | | 1 |
| | | Kelompok 3 | 8.17 | | 1 |
| | | Total | 7.22 | 0.86 | 3 |
| | Total | Kelompok 1 | 7.62 | 0.86 | 2 |
| | | Kelompok 2 | 7.18 | 0.98 | 2 |
| | | Kelompok 3 | 8.25 | 0.11 | 2 |
| | | Total | 7.68 | 0.76 | 6 |
| Total | N1 | Kelompok 1 | 8.03 | 0.59 | 3 |
| | | Kelompok 2 | 8.04 | 0.88 | 3 |
| | | Kelompok 3 | 7.94 | 1.34 | 3 |
| | | Total | 8.00 | 0.86 | 9 |
| | N2 | Kelompok 1 | 7.45 | 0.50 | 3 |
| | | Kelompok 2 | 7.27 | 0.68 | 3 |
| | | Kelompok 3 | 7.72 | 0.41 | 3 |
| | | Total | 7.48 | 0.51 | 9 |
| | Total | Kelompok 1 | 7.74 | 0.58 | 6 |
| | | Kelompok 2 | 7.65 | 0.82 | 6 |
| | | Kelompok 3 | 7.83 | 0.89 | 6 |
| | | Total | 7.74 | 0.73 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 6.744 ^a | 7 | .963 | 3.996 | .024 |
| Intercept | 1078.801 | 1 | 1078.801 | 4474.930 | .000 |
| K | .092 | 2 | .046 | .191 | .829 |
| P | 3.113 | 2 | 1.556 | 6.456 | .016 |
| N | 1.243 | 1 | 1.243 | 5.156 | .047 |
| P * N | 2.296 | 2 | 1.148 | 4.763 | .035 |
| Error | 2.411 | 10 | .241 | | |
| Total | 1087.956 | 18 | | | |
| Corrected Total | 9.155 | 17 | | | |

a. R Squared = .737 (Adjusted R Squared = .552)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 7.027 | .283 | 6.395 | 7.658 |
| | P2 | 8.847 | .283 | 8.215 | 9.478 |
| | P3 | 8.140 | .283 | 7.508 | 8.772 |
| N2 | P1 | 7.503 | .283 | 6.872 | 8.135 |
| | P2 | 7.710 | .283 | 7.078 | 8.342 |
| | P3 | 7.223 | .283 | 6.592 | 7.855 |

Homogeneous Subsets

LIGNIN

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|--------|--------|
| | | 1 | 2 |
| P1 | 6 | 7.2650 | |
| P3 | 6 | 7.6817 | 7.6817 |
| P2 | 6 | | 8.2783 |
| Sig. | | .172 | .062 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .241.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Interaksi PxN

LIGNIN

Duncan^{a,b}

| Interaksi PxN | N | Subset | | |
|---------------|---|--------|--------|--------|
| | | 1 | 2 | 3 |
| P1N1 | 3 | 7.0267 | | |
| P3N2 | 3 | 7.2233 | 7.2233 | |
| P1N2 | 3 | 7.5033 | 7.5033 | |
| P2N2 | 3 | 7.7100 | 7.7100 | |
| P3N1 | 3 | | 8.1400 | 8.1400 |
| P2N1 | 3 | | | 8.8467 |
| Sig. | | .143 | .059 | .108 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .241.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = ,05.

ATL

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|----|------------|------|----------------|---|
| P1 | N1 | Kelompok 1 | 1.01 | | 1 |
| | | Kelompok 2 | 0.78 | | 1 |
| | | Kelompok 3 | 1.30 | | 1 |
| | | Total | 1.03 | 0.26 | 3 |
| | N2 | Kelompok 1 | 0.71 | | 1 |
| | | Kelompok 2 | 0.58 | | 1 |
| | | Kelompok 3 | 0.33 | | 1 |
| | | Total | 0.54 | 0.19 | 3 |
| Total | | Kelompok 1 | 0.86 | 0.21 | 2 |
| | | Kelompok 2 | 0.68 | 0.14 | 2 |
| | | Kelompok 3 | 0.82 | 0.69 | 2 |
| | | Total | 0.79 | 0.34 | 6 |

| | | | | | |
|------------|------------|------------|------------|------|------|
| P2 | N1 | Kelompok 1 | 2.12 | | 1 |
| | | Kelompok 2 | 0.59 | | 1 |
| | | Kelompok 3 | 1.16 | | 1 |
| | | Total | 1.29 | 0.77 | 3 |
| | N2 | Kelompok 1 | 0.98 | | 1 |
| | | Kelompok 2 | 0.49 | | 1 |
| | | Kelompok 3 | 0.39 | | 1 |
| | | Total | 0.62 | 0.32 | 3 |
| | Total | Kelompok 1 | 1.55 | 0.81 | 2 |
| | | Kelompok 2 | 0.54 | 0.07 | 2 |
| | | Kelompok 3 | 0.78 | 0.54 | 2 |
| | | Total | 0.96 | 0.64 | 6 |
| | P3 | N1 | Kelompok 1 | 2.02 | |
| Kelompok 2 | | | 1.73 | | 1 |
| Kelompok 3 | | | 1.50 | | 1 |
| Total | | | 1.75 | 0.26 | 3 |
| N2 | | Kelompok 1 | 1.12 | | 1 |
| | | Kelompok 2 | 0.75 | | 1 |
| | | Kelompok 3 | 2.08 | | 1 |
| | | Total | 1.32 | 0.69 | 3 |
| Total | | Kelompok 1 | 1.57 | 0.64 | 2 |
| | | Kelompok 2 | 1.24 | 0.69 | 2 |
| | | Kelompok 3 | 1.79 | 0.41 | 2 |
| | | Total | 1.53 | 0.52 | 6 |
| Total | | N1 | Kelompok 1 | 1.72 | 0.61 |
| | Kelompok 2 | | 1.03 | 0.61 | 3 |
| | Kelompok 3 | | 1.32 | 0.17 | 3 |
| | Total | | 1.36 | 0.53 | 9 |
| | N2 | Kelompok 1 | 0.94 | 0.21 | 3 |
| | | Kelompok 2 | 0.61 | 0.13 | 3 |
| | | Kelompok 3 | 0.93 | 0.99 | 3 |
| | | Total | 0.83 | 0.54 | 9 |
| | Total | Kelompok 1 | 1.33 | 0.59 | 6 |
| | | Kelompok 2 | 0.82 | 0.46 | 6 |
| | | Kelompok 3 | 1.13 | 0.67 | 6 |
| | | Total | 1.09 | 0.59 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 3.943 ^a | 7 | .563 | 2.961 | .059 |
| Intercept | 21.429 | 1 | 21.429 | 112.647 | .000 |
| K | .782 | 2 | .391 | 2.054 | .179 |
| P | 1.847 | 2 | .923 | 4.854 | .034 |
| N | 1.269 | 1 | 1.269 | 6.673 | .027 |
| P * N | .046 | 2 | .023 | .120 | .888 |
| Error | 1.902 | 10 | .190 | | |
| Total | 27.275 | 18 | | | |
| Corrected Total | 5.846 | 17 | | | |

a. R Squared = .675 (Adjusted R Squared = .447)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|-------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 1.030 | .252 | .469 | 1.591 |
| | P2 | 1.290 | .252 | .729 | 1.851 |
| | P3 | 1.750 | .252 | 1.189 | 2.311 |
| N2 | P1 | .540 | .252 | -.021 | 1.101 |
| | P2 | .620 | .252 | .059 | 1.181 |
| | P3 | 1.317 | .252 | .756 | 1.878 |

Homogeneous Subsets

ATL

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|--------|--------|
| | | 1 | 2 |
| P1 | 6 | .7850 | |
| P2 | 6 | .9550 | |
| P3 | 6 | | 1.5333 |
| Sig. | | .515 | 1.000 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .190.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Lampiran 7. Analisis Statistik Kecernaan Bahan Kering dan Kecernaan Bahan Organik Jerami Kacang Tanah

Tabel 13. Hasil Analisis Statistik KCBK Jerami Kacang

| Between-Subjects Factors | | | |
|--------------------------|-------------|------------|---|
| | Value Label | N | |
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| Faktor P | | | Mean | Std. Deviation | N |
|----------|-------|------------|-------|----------------|---|
| P1 | N1 | Kelompok 1 | 58.55 | | 1 |
| | | Kelompok 2 | 57.82 | | 1 |
| | | Kelompok 3 | 56.68 | | 1 |
| | | Total | 57.68 | 0.94 | 3 |
| | N2 | Kelompok 1 | 56.32 | | 1 |
| | | Kelompok 2 | 56.34 | | 1 |
| | | Kelompok 3 | 56.58 | | 1 |
| | | Total | 56.41 | 0.14 | 3 |
| | Total | Kelompok 1 | 57.44 | 1.58 | 2 |
| | | Kelompok 2 | 57.08 | 1.05 | 2 |
| | | Kelompok 3 | 56.63 | 0.07 | 2 |
| | | Total | 57.05 | 0.92 | 6 |
| P2 | N1 | Kelompok 1 | 54.76 | | 1 |
| | | Kelompok 2 | 53.10 | | 1 |
| | | Kelompok 3 | 55.75 | | 1 |
| | | Total | 54.54 | 1.34 | 3 |
| | N2 | Kelompok 1 | 60.10 | | 1 |
| | | Kelompok 2 | 63.91 | | 1 |
| | | Kelompok 3 | 60.23 | | 1 |
| | | Total | 61.41 | 2.16 | 3 |
| | Total | Kelompok 1 | 57.43 | 3.78 | 2 |
| | | Kelompok 2 | 58.51 | 7.64 | 2 |
| | | Kelompok 3 | 57.99 | 3.17 | 2 |
| | | Total | 57.98 | 4.10 | 6 |
| P3 | N1 | Kelompok 1 | 60.12 | | 1 |

| | | | | | |
|-------|-------|------------|-------|------|----|
| | | Kelompok 2 | 60.58 | | 1 |
| | | Kelompok 3 | 58.79 | | 1 |
| | | Total | 59.83 | 0.93 | 3 |
| N2 | | Kelompok 1 | 59.73 | | 1 |
| | | Kelompok 2 | 57.92 | | 1 |
| | | Kelompok 3 | 60.88 | | 1 |
| | | Total | 59.51 | 1.49 | 3 |
| Total | | Kelompok 1 | 59.93 | 0.28 | 2 |
| | | Kelompok 2 | 59.25 | 1.88 | 2 |
| | | Kelompok 3 | 59.84 | 1.48 | 2 |
| | | Total | 59.67 | 1.13 | 6 |
| Total | N1 | Kelompok 1 | 57.81 | 2.76 | 3 |
| | | Kelompok 2 | 57.17 | 3.78 | 3 |
| | | Kelompok 3 | 57.07 | 1.56 | 3 |
| | | Total | 57.35 | 2.49 | 9 |
| | N2 | Kelompok 1 | 58.72 | 2.08 | 3 |
| | | Kelompok 2 | 59.39 | 3.99 | 3 |
| | | Kelompok 3 | 59.23 | 2.32 | 3 |
| | | Total | 59.11 | 2.55 | 9 |
| | Total | Kelompok 1 | 58.26 | 2.24 | 6 |
| | | Kelompok 2 | 58.28 | 3.69 | 6 |
| | | Kelompok 3 | 58.15 | 2.12 | 6 |
| | | Total | 58.23 | 2.61 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 94.773a | 7 | 13.539 | 6.482 | .005 |
| Intercept | 61035.521 | 1 | 61035.521 | 29221.791 | .000 |
| K | 0.057 | 2 | 0.029 | .014 | .986 |
| P | 21.210 | 2 | 10.605 | 5.077 | .030 |
| N | 13.974 | 1 | 13.974 | 6.690 | .027 |
| P * N | 59.531 | 2 | 29.766 | 14.251 | .001 |
| Error | 20.887 | 10 | 2.089 | | |
| Total | 61151.181 | 18 | | | |
| Corrected Total | 115.660 | 17 | | | |

a. R Squared = .591 (Adjusted R Squared = .305)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 57.683 | .834 | 55.824 | 59.543 |
| | P2 | 54.537 | .834 | 52.677 | 56.396 |
| | P3 | 59.830 | .834 | 57.971 | 61.689 |
| N2 | P1 | 56.413 | .834 | 54.554 | 58.273 |
| | P2 | 61.413 | .834 | 59.554 | 63.273 |
| | P3 | 59.510 | .834 | 57.651 | 61.369 |

Homogeneous Subsets

KCBK

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P1 | 6 | 57.0483 | |
| P2 | 6 | 57.9750 | 57.9750 |
| P3 | 6 | | 59.6700 |
| Sig. | | .293 | .070 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2.089.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

KCBK

Duncan^{a,b}

| Interaksi PxN | N | Subset | | | |
|---------------|---|---------|---------|---------|---------|
| | | 1 | 2 | 3 | 4 |
| P2N1 | 3 | 54.5367 | | | |
| P1N2 | 3 | 56.4133 | 56.4133 | | |
| P1N1 | 3 | | 57.6833 | 57.6833 | |
| P3N2 | 3 | | | 59.5100 | 59.5100 |
| P3N1 | 3 | | | 59.8300 | 59.8300 |
| P2N2 | 3 | | | | 61.4133 |
| Sig. | | .143 | .307 | .113 | .154 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2.089.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = ,05.

KCBO

Between-Subjects Factors

| | | Value Label | N |
|----------|---|-------------|---|
| Faktor P | 1 | P1 | 6 |
| | 2 | P2 | 6 |
| | 3 | P3 | 6 |
| Faktor N | 1 | N1 | 9 |
| | 2 | N2 | 9 |
| Kelompok | 1 | Kelompok 1 | 6 |
| | 2 | Kelompok 2 | 6 |
| | 3 | Kelompok 3 | 6 |

Descriptive Statistics

Dependent Variable:

| | | | Mean | Std. Deviation | N | |
|----------|-------|------------|------------|----------------|------|---|
| Faktor P | P1 | N1 | Kelompok 1 | 55.65 | | 1 |
| | | | Kelompok 2 | 55.66 | | 1 |
| | | | Kelompok 3 | 51.06 | | 1 |
| | | | Total | 54.12 | 2.65 | 3 |
| | | N2 | Kelompok 1 | 53.39 | | 1 |
| | | | Kelompok 2 | 52.49 | | 1 |
| | | | Kelompok 3 | 53.42 | | 1 |
| | | | Total | 53.10 | 0.53 | 3 |
| | Total | | Kelompok 1 | 54.52 | 1.60 | 2 |
| | | | Kelompok 2 | 54.08 | 2.24 | 2 |
| | | | Kelompok 3 | 52.24 | 1.67 | 2 |
| | | | Total | 53.61 | 1.80 | 6 |
| P2 | N1 | Kelompok 1 | 53.44 | | 1 | |
| | | Kelompok 2 | 49.42 | | 1 | |
| | | Kelompok 3 | 53.63 | | 1 | |
| | | Total | 52.16 | 2.38 | 3 | |
| | | N2 | Kelompok 1 | 58.38 | | 1 |
| | | | Kelompok 2 | 62.14 | | 1 |
| | | | Kelompok 3 | 58.13 | | 1 |
| | | | Total | 59.55 | 2.25 | 3 |
| | Total | | Kelompok 1 | 55.91 | 3.49 | 2 |
| | | | Kelompok 2 | 55.78 | 8.99 | 2 |
| | | | Kelompok 3 | 55.88 | 3.18 | 2 |
| | | | Total | 55.86 | 4.54 | 6 |
| P3 | N1 | Kelompok 1 | 57.93 | | 1 | |
| | | Kelompok 2 | 56.31 | | 1 | |
| | | Kelompok 3 | 55.80 | | 1 | |
| | | Total | 56.68 | 1.11 | 3 | |
| | N2 | Kelompok 1 | 58.20 | | 1 | |

| | | | | | |
|-------|----|------------|-------|------|----|
| | | Kelompok 2 | 57.20 | | 1 |
| | | Kelompok 3 | 56.53 | | 1 |
| | | Total | 57.31 | 0.84 | 3 |
| Total | | Kelompok 1 | 58.07 | 0.19 | 2 |
| | | Kelompok 2 | 56.76 | 0.63 | 2 |
| | | Kelompok 3 | 56.17 | 0.52 | 2 |
| | | Total | 57.00 | 0.95 | 6 |
| Total | N1 | Kelompok 1 | 55.67 | 2.25 | 3 |
| | | Kelompok 2 | 53.80 | 3.80 | 3 |
| | | Kelompok 3 | 53.50 | 2.37 | 3 |
| | | Total | 54.32 | 2.71 | 9 |
| | N2 | Kelompok 1 | 56.66 | 2.83 | 3 |
| | | Kelompok 2 | 57.28 | 4.83 | 3 |
| | | Kelompok 3 | 56.03 | 2.40 | 3 |
| | | Total | 56.65 | 3.09 | 9 |
| Total | | Kelompok 1 | 56.17 | 2.35 | 6 |
| | | Kelompok 2 | 55.54 | 4.33 | 6 |
| | | Kelompok 3 | 54.76 | 2.54 | 6 |
| | | Total | 55.49 | 3.06 | 18 |

Tests of Between-Subjects Effects

Dependent Variable:

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 125.506a | 7 | 17.929 | 5.275 | .010 |
| Intercept | 55420.083 | 1 | 55420.083 | 16303.962 | .000 |
| K | 5.930 | 2 | 2.965 | .872 | .448 |
| P | 35.566 | 2 | 17.783 | 5.231 | .028 |
| N | 24.453 | 1 | 24.453 | 7.194 | .023 |
| P * N | 59.557 | 2 | 29.779 | 8.761 | .006 |
| Error | 33.992 | 10 | 3.399 | | |
| Total | 55579.580 | 18 | | | |
| Corrected Total | 159.497 | 17 | | | |

a. R Squared = .600 (Adjusted R Squared = .320)

Estimated Marginal Means

Faktor N * Faktor P

Dependent Variable:

| Faktor N | | Mean | Std. Error | 95% Confidence Interval | |
|----------|----|--------|------------|-------------------------|-------------|
| | | | | Lower Bound | Upper Bound |
| N1 | P1 | 54.123 | 1.064 | 51.752 | 56.495 |
| | P2 | 52.163 | 1.064 | 49.792 | 54.535 |
| | P3 | 56.680 | 1.064 | 54.308 | 59.052 |
| N2 | P1 | 53.100 | 1.064 | 50.728 | 55.472 |
| | P2 | 59.550 | 1.064 | 57.178 | 61.922 |
| | P3 | 57.310 | 1.064 | 54.938 | 59.682 |

Homogeneous Subsets

KCBO

Duncan^{a,b}

| Faktor P | N | Subset | |
|----------|---|---------|---------|
| | | 1 | 2 |
| P1 | 6 | 53.6117 | |
| P2 | 6 | 55.8567 | 55.8567 |
| P3 | 6 | | 56.9950 |
| Sig. | | .061 | .310 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3.399.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Interaksi PxN

KCBO

Duncan^{a,b}

| Interaksi PxN | N | Subset | | |
|---------------|---|---------|---------|---------|
| | | 1 | 2 | 3 |
| P2N1 | 3 | 52.1633 | | |
| P1N2 | 3 | 53.1000 | | |
| P1N1 | 3 | 54.1233 | 54.1233 | |
| P3N1 | 3 | | 56.6800 | 56.6800 |
| P3N2 | 3 | | 57.3100 | 57.3100 |
| P2N2 | 3 | | | 59.5500 |
| Sig. | | .242 | .070 | .098 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3.399.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = ,05.

Lampiran 8. Perhitungan Interaksi

Bintil Akar yang Efektif

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N_2P_1 = \frac{1}{2}\{(N2P2 - N1P2) - (N2P1 - N1P1)\}$$

$$N_2P_1 = \frac{1}{2}\{(126,43 - 125,10) - (120,07 - 116,90)\}$$

$$N_2P_1 = \frac{1}{2}(1,33 - 3,17)$$

$$N_2P_1 = -0,92$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N_2P_2 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P1 - N1P1)\}$$

$$N_2P_2 = \frac{1}{2}\{(136,13 - 128,43) - (120,07 - 116,90)\}$$

$$N_2P_2 = \frac{1}{2}(7,70 - 3,17)$$

$$N_2P_2 = 2,27$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N_2P_3 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P2 - N1P2)\}$$

$$N_2P_3 = \frac{1}{2}\{(136,13 - 128,43) - (126,43 - 125,10)\}$$

$$N_2P_3 = \frac{1}{2}(7,70 - 1,33)$$

$$N_2P_3 = 3,18$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|--------|--------|-----------|------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 116,90 | 125,10 | 128,43 | 123,48 | 3,33 | 11,53 | 8,20 |
| N2 | 120,07 | 126,43 | 136,13 | 127,54 | 9,70 | 16,06 | 6,36 |
| N2-N1 | -3,10 | -1,33 | -7,70 | Interaksi | 3,18 | 2,27 | -0,92 |

Kandungan Bahan Organik

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2} \{ (N2P2 - N1P2) - (N2P1 - N1P1) \}$$

$$N2P1 = \frac{1}{2} \{ (88,79 - 86,48) - (89,45 - 87,40) \}$$

$$N2P1 = \frac{1}{2} (2,31 - 2,06)$$

$$N2P1 = 0,13$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P1 - N1P1) \}$$

$$N2P2 = \frac{1}{2} \{ (87,93 - 89,68) - (89,45 - 87,40) \}$$

$$N2P2 = \frac{1}{2} (-1,75 - 2,06)$$

$$N2P2 = -1,91$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P2 - N1P2) \}$$

$$N2P3 = \frac{1}{2} \{ (87,93 - 89,68) - (88,79 - 86,48) \}$$

$$N2P3 = \frac{1}{2} (-1,75 - 2,31)$$

$$N2P3 = -2,03$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 87,40 | 86,48 | 89,68 | 87,85 | 3,20 | 2,28 | -0,92 |
| N2 | 89,45 | 88,79 | 87,93 | 88,72 | -0,86 | -1,52 | -0,66 |
| N2-N1 | 2,05 | 2,31 | -1,75 | Interaksi | -2,03 | -1,91 | 0,13 |

Protein Kasar

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2} \{ (N2P2 - N1P2) - (N2P1 - N1P1) \}$$

$$N2P1 = \frac{1}{2} \{ (9,69 - 13,29) - (13,23 - 13,48) \}$$

$$N2P1 = \frac{1}{2} (-3,60 - (-0,25))$$

$$N2P1 = -1,67$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P1 - N1P1) \}$$

$$N2P2 = \frac{1}{2} \{ (11,75 - 11,47) - (13,23 - 13,48) \}$$

$$N2P2 = \frac{1}{2} (0,29 - (-0,25))$$

$$N2P2 = 0,27$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P2 - N1P2) \}$$

$$N2P3 = \frac{1}{2} \{ (11,75 - 11,47) - (9,69 - 13,29) \}$$

$$N2P3 = \frac{1}{2} (0,29 - (-3,60))$$

$$N2P3 = 1,94$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 13,48 | 13,29 | 11,47 | 12,75 | -1,82 | -2,01 | -0,19 |
| N2 | 13,23 | 9,69 | 11,75 | 11,56 | 2,06 | -1,48 | -3,54 |
| N2-N1 | -0,25 | -3,60 | 0,28 | Interaksi | 1,94 | 0,27 | -1,67 |

BENT

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2} \{ (N2P2 - N1P2) - (N2P1 - N1P1) \}$$

$$N2P1 = \frac{1}{2} \{ (47,13 - 40,60) - (41,47 - 42,52) \}$$

$$N2P1 = \frac{1}{2} (6,53 - (-1,05))$$

$$N2P1 = 3,79$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P1 - N1P1) \}$$

$$N2P2 = \frac{1}{2} \{ (42,17 - 45,33) - (41,47 - 42,52) \}$$

$$N2P2 = \frac{1}{2} (-3,16 - (-1,05))$$

$$N2P2 = -1,06$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P2 - N1P2) \}$$

$$N2P3 = \frac{1}{2} \{ (42,17 - 45,33) - (47,13 - 40,60) \}$$

$$N2P3 = \frac{1}{2} (-3,16 - 6,53)$$

$$N2P3 = -4,58$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 42,52 | 40,60 | 45,33 | 42,82 | 4,73 | 2,81 | -1,92 |
| N2 | 41,47 | 47,13 | 42,17 | 43,59 | -4,96 | 0,70 | 5,66 |
| N2-N1 | -1,07 | 6,53 | -3,16 | Interaksi | -4,58 | -1,06 | 3,79 |

ABU

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2}\{(N2P2 - N1P2) - (N2P1 - N1P1)\}$$

$$N2P1 = \frac{1}{2}\{(11,21 - 13,52) - (10,55 - 12,60)\}$$

$$N2P1 = \frac{1}{2}(-2,31 - (-2,06))$$

$$N2P1 = -0,13$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P1 - N1P1)\}$$

$$N2P2 = \frac{1}{2}\{(12,07 - 10,32) - (10,55 - 12,60)\}$$

$$N2P2 = \frac{1}{2}(1,75 - (-2,06))$$

$$N2P2 = 1,91$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P2 - N1P2)\}$$

$$N2P3 = \frac{1}{2}\{(12,07 - 10,32) - (11,21 - 13,52)\}$$

$$N2P3 = \frac{1}{2}(1,75 - (-2,31))$$

$$N2P3 = 2,03$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 12,60 | 13,52 | 10,32 | 12,15 | -3,20 | -2,28 | 0,92 |
| N2 | 10,55 | 11,21 | 12,07 | 11,28 | 0,86 | 1,52 | 0,66 |
| N2-N1 | -2,05 | -2,31 | 1,75 | Interaksi | 2,03 | 1,91 | -0,13 |

ADF

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2}\{(N2P2 - N1P2) - (N2P1 - N1P1)\}$$

$$N2P1 = \frac{1}{2}\{(41,07 - 38,85) - (38,28 - 34,67)\}$$

$$N2P1 = \frac{1}{2}(2,22 - 3,60)$$

$$N2P1 = -0,69$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P1 - N1P1)\}$$

$$N2P2 = \frac{1}{2}\{(36,83 - 38,01) - (38,28 - 34,67)\}$$

$$N2P2 = \frac{1}{2}(-1,18 - 3,60)$$

$$N2P2 = -2,39$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P2 - N1P2)\}$$

$$N2P3 = \frac{1}{2}\{(36,83 - 38,01) - (41,07 - 38,85)\}$$

$$N2P3 = \frac{1}{2}(-1,18 - 2,22)$$

$$N2P3 = -1,70$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 34,67 | 38,85 | 38,01 | 37,18 | -0,84 | 3,34 | 4,18 |
| N2 | 38,28 | 41,07 | 36,83 | 38,72 | -4,24 | -1,45 | 2,79 |
| N2-N1 | 3,61 | 2,22 | -1,18 | Interaksi | -1,70 | -2,39 | -0,69 |

SELULOSA

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2}\{(N2P2 - N1P2) - (N2P1 - N1P1)\}$$

$$N2P1 = \frac{1}{2}\{(30,18 - 28,76) - (32,71 - 27,85)\}$$

$$N2P1 = \frac{1}{2}(1,42 - 4,85)$$

$$N2P1 = -1,72$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P1 - N1P1)\}$$

$$N2P2 = \frac{1}{2}\{(27,64 - 27,58) - (32,71 - 27,85)\}$$

$$N2P2 = \frac{1}{2}(0,05 - 4,85)$$

$$N2P2 = -2,40$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P2 - N1P2)\}$$

$$N2P3 = \frac{1}{2}\{(27,64 - 27,58) - (30,18 - 28,76)\}$$

$$N2P3 = \frac{1}{2}(0,05 - 1,42)$$

$$N2P2 = -0,68$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 27,85 | 28,76 | 27,58 | 28,06 | -1,18 | -0,27 | 0,91 |
| N2 | 32,71 | 30,18 | 27,64 | 30,17 | -2,54 | -5,07 | -2,53 |
| N2-N1 | 4,86 | 1,42 | 0,06 | Interaksi | -0,68 | -2,40 | -1,72 |

LIGNIN

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2} \{ (N2P2 - N1P2) - (N2P1 - N1P1) \}$$

$$N2P1 = \frac{1}{2} \{ (7,71 - 8,85) - (7,50 - 7,03) \}$$

$$N2P1 = \frac{1}{2} (-1,14 - 0,48)$$

$$N2P1 = -0,81$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P1 - N1P1) \}$$

$$N2P2 = \frac{1}{2} \{ (7,22 - 8,14) - (7,50 - 7,03) \}$$

$$N2P2 = \frac{1}{2} (-0,92 - 0,48)$$

$$N2P2 = -0,70$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P2 - N1P2) \}$$

$$N2P3 = \frac{1}{2} \{ (7,22 - 8,14) - (7,71 - 8,85) \}$$

$$N2P3 = \frac{1}{2} (-0,92 - (-1,14))$$

$$N2P3 = 0,11$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|-------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 7,03 | 8,85 | 8,14 | 8,00 | -0,71 | 1,11 | 1,82 |
| N2 | 7,50 | 7,71 | 7,22 | 7,48 | -0,49 | -0,28 | 0,21 |
| N2-N1 | 0,47 | -1,14 | -0,92 | Interaksi | 0,11 | -0,70 | -0,81 |

KCBK

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2} \{ (N2P2 - N1P2) - (N2P1 - N1P1) \}$$

$$N2P1 = \frac{1}{2} \{ (61,41 - 54,54) - (56,41 - 57,68) \}$$

$$N2P1 = \frac{1}{2} (6,88 - (-1,27))$$

$$N2P1 = 4,07$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P1 - N1P1) \}$$

$$N2P2 = \frac{1}{2} \{ (59,51 - 59,83) - (56,41 - 57,68) \}$$

$$N2P2 = \frac{1}{2} (-0,32 - (-,27))$$

$$N2P2 = 0,48$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2} \{ (N2P3 - N1P3) - (N2P2 - N1P2) \}$$

$$N2P3 = \frac{1}{2} \{ (59,51 - 59,83) - (61,41 - 54,54) \}$$

$$N2P3 = \frac{1}{2} (-0,32 - 6,88)$$

$$N2P3 = 6,88$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|-------|------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 57,68 | 54,54 | 59,83 | 57,35 | 5,29 | 2,15 | -3,14 |
| N2 | 56,41 | 61,41 | 59,51 | 59,11 | -1,90 | 3,1 | 5 |
| N2-N1 | -1,27 | 6,87 | -0,32 | Interaksi | 6,88 | 0,48 | 4,07 |

KCBO

- a. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P2)

$$N2P1 = \frac{1}{2}\{(N2P2 - N1P2) - (N2P1 - N1P1)\}$$

$$N2P1 = \frac{1}{2}\{(59,55 - 52,16) - (53,10 - 54,12)\}$$

$$N2P1 = \frac{1}{2}(7,39 - (-1,02))$$

$$N2P1 = 4,21$$

- b. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P1 dan P3)

$$N2P2 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P1 - N1P1)\}$$

$$N2P2 = \frac{1}{2}\{(57,31 - 56,68) - (53,10 - 54,12)\}$$

$$N2P2 = \frac{1}{2}(0,63 - (-1,02))$$

$$N2P2 = 0,83$$

- c. Pengaruh interaksi faktor N (N1 dan N2) dengan faktor P (P2 dan P3)

$$N2P3 = \frac{1}{2}\{(N2P3 - N1P3) - (N2P2 - N1P2)\}$$

$$N2P3 = \frac{1}{2}\{(57,31 - 56,68) - (59,55 - 52,16)\}$$

$$N2P3 = \frac{1}{2}(0,63 - 7,39)$$

$$N2P3 = -3,38$$

| Faktor N | Faktor P | | | Rata-rata | N2P3 | N2P2 | N2P1 |
|----------|----------|-------|-------|-----------|------|------|-------|
| | P1 | P2 | P3 | | | | |
| N1 | 54,12 | 52,16 | 56,68 | 54,32 | 4,52 | 2,56 | -1,96 |
| N2 | 53,10 | 59,55 | 57,31 | 56,65 | 1,24 | 4,21 | 6,45 |
| N2-N1 | -1,02 | 7,39 | 0,63 | Interaksi | 3,28 | 0,83 | 4,21 |

Lampiran 9. Dokumentasi Penelitian



Gambar 1. Persiapan Lahan



Gambar 2. Pembuatan Bedengan



Gambar 3. Penimbangan



Gambar 4. Pemupukan Dasar



Gambar 5. Persiapan Benih



Gambar 6. Penanaman



Gambar 7. Umur 2 Minggu



Gambar 6. Penimbangan Pupuk P



Gambar 8. Umur 1 bulan



Gambar 9. Pemupukan



Gambar 10. Umur 2 bulan



Gambar 11. Umur 3 Bulan



Gambar 12. Pengambilan Sampel



Gambar 13. Menghitung Bintil



Gambar 14. Bintial yang Akar Efektif



Gambar 15. Mengitung Polong



Gambar 16. Penimbangan Sampel



Gambar 17. Persiapan Sampel



Gambar 16. Menghaluskan Sampel



Gambar 17. Menimbang Sampel

BIODATA PENELITI



NIRMALA MUNIR (I012 23 1011) dilahirkan di Manisa (SIDRAP), pada tanggal 27 April 2001. NIRMALA MUNIR atau sering dipanggil dengan sebutan Nirmala berasal dari kabupaten Sidenreng Rappang, merupakan anak terakhir dari pasangan Abd. Munir dan Hasnawati. Penulis mempunyai kakak yang bernama Nirwana Munir dan Nirwan Munir. Pada tahun 2007 penulis memulai jenjang pendidikan formal di SD NEGERI 8 BENTENG (SIDRAP). Pada tahun 2013 penulis melanjutkan sekolahnya di SMP NEGERI 2 BARANTI (SIDRAP). Setelah penulis menyelesaikan pendidikannya, pada tahun 2016, penulis melanjutkan sekolahnya di SMAN 1 SIDRAP dan selesai pada tahun 2019. Pada saat lulus, penulis mendaftar SBMPTN dan Alhamdulillah dinyatakan lulus di Fakultas Peternakan Universitas Hasanuddin. Di perkuliahan, penulis memasuki beberapa organisasi yaitu Ipmi Sidrap bkpt Unhas, Himpunan Mahasiswa Nutrisi dan Makanan Ternak (HUMANIKA) dan Forum Study Ilmiah (FOSIL). Penulis menyelesaikan S1 pada tahun 2023 serta melanjutkan program magisternya di Universitas Hasanuddin