



LAMPIRAN

Lampiran 01. Surat Perizinan Penelitian

**SEAMEO BIOTROP**

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19 Januari 2023

Hal : Jawaban Permohonan Penelitian

Yth. Dekan
Fakultas Matematika dan Ilmu Pengetahuan Alam
Universitas Pendidikan Ganesha
di Tempat

Dengan Hormat,

Menjawab surat Saudara No. 09/UN48.9.1/TU/2023, perihal Permohonan Penelitian, tertanggal 10 Januari 2023. Dengan ini diberitahukan bahwa kami dapat menerima permohonan tersebut terhitung mulai Maret 2023 s.d selesai.

Pengaturan penempatan peserta penelitian sebagai berikut :

nama : Noval Tauhid Hidayatullah
NIM : 1913091005
topik : Hama gudang

Selanjutnya untuk persiapan kegiatan penelitian, yang bersangkutan dimohon berkoordinasi dengan Ibu Sri Widayanti, M.Si melalui WA 0811110093 atau email widayanti@biotrop.seameo.id

Demikian surat jawaban ini kami sampaikan. Atas perhatian dan kerjasama yang baik, kami sampaikan terima kasih.

Koordinator Layanan
Kepegawaian dan Administrasi



Santi Ambarwati, M.Si
NIP. 19681125 200701 2 001

Lampiran 03. Data Persentase Kerusakan Biji pada Berbagai Jenis Kacang yang Ditumbuhkan

| Perlakuan /ulangan | Biji Rusak | Biji Utuh | Jumlah | Rerata | Persentase Kerusakan Biji |
|--------------------|------------|-----------|--------|--------|---------------------------|
| A ₁ | 34 | 146 | 180 | 90 | 18,9 |
| A ₂ | 50 | 156 | 206 | 103,0 | 24,3 |
| A ₃ | 20 | 167 | 187 | 93,5 | 10,7 |
| KA ₁ | 0 | 206 | 206 | 103,0 | 0,0 |
| KA ₂ | 0 | 171 | 171 | 86 | 0,0 |
| KA ₃ | 0 | 201 | 201 | 101 | 0,0 |
| B ₁ | 73 | 649 | 722 | 361 | 10,1 |
| B ₂ | 99 | 597 | 696 | 348 | 14,2 |
| B ₃ | 83 | 612 | 695 | 347,5 | 11,9 |
| KB ₁ | 0 | 692 | 692 | 346 | 0,0 |
| KB ₂ | 0 | 676 | 703 | 351,5 | 0,0 |
| KB ₃ | 0 | 681 | 704 | 352 | 0,0 |
| C ₁ | 20 | 34 | 54 | 27 | 37,0 |
| C ₂ | 29 | 29 | 58 | 29 | 50,0 |
| C ₃ | 21 | 27 | 48 | 24 | 43,8 |
| KC ₁ | 0 | 48 | 48 | 24 | 0,0 |
| KC ₂ | 0 | 47 | 47 | 23,5 | 0,0 |
| KC ₃ | 0 | 66 | 66 | 33 | 0,0 |
| D ₁ | 41 | 135 | 176 | 88 | 23,3 |
| D ₂ | 50 | 123 | 173 | 87 | 28,9 |
| D ₃ | 37 | 133 | 170 | 85 | 21,8 |
| KD ₁ | 0 | 175 | 175 | 88 | 0,0 |
| KD ₂ | 0 | 165 | 165 | 83 | 0,0 |
| KD ₃ | 0 | 171 | 171 | 85,5 | 0,0 |
| E ₁ | 69 | 743 | 812 | 406 | 8,5 |
| E ₂ | 63 | 744 | 807 | 403,5 | 7,8 |
| E ₃ | 31 | 783 | 814 | 407 | 3,8 |
| KE1 | 0 | 734 | 734 | 0 | 0,0 |
| KE2 | 0 | 763 | 763 | 0 | 0,0 |
| KE3 | 0 | 738 | 738 | 0 | 0,0 |

Lampiran 04. Data Persentase Penurunan Berat Biji pada Berbagai Jenis Kacang yang Ditumbuhkan

| Ulangan | Biji Rusak (butir) | Biji Utuh (butir) | Berat Rusak (gr) | Berat Utuh (gr) | Jumlah | Rata-rata | Persentase Penurunan Berat Biji | Data Hasil Transformasi Data Akar |
|-----------------|--------------------|-------------------|------------------|-----------------|--------|-----------|---------------------------------|-----------------------------------|
| A ₁ | 34 | 146 | 6,6 | 33,4 | 40,0 | 20 | 2,90% | 1,69 |
| A ₂ | 50 | 156 | 8,6 | 31,4 | 40,0 | 20 | 3,60% | 1,90 |
| A ₃ | 20 | 167 | 3,6 | 36,4 | 40,0 | 20 | 1,80% | 1,34 |
| KA ₁ | 0 | 206 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| KA ₂ | 0 | 171 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| KA ₃ | 0 | 201 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| B ₁ | 73 | 649 | 3,4 | 36,6 | 40,0 | 20 | 1,80% | 1,35 |
| B ₂ | 99 | 597 | 4,8 | 35,2 | 40,0 | 20 | 2,60% | 1,63 |
| B ₃ | 83 | 612 | 4,2 | 35,8 | 40,0 | 20 | 1,70% | 1,32 |
| KB ₁ | 0 | 692 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| KB ₂ | 0 | 676 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| KB ₃ | 0 | 681 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| C ₁ | 20 | 34 | 12,7 | 27,3 | 40,0 | 20 | 7,80% | 2,80 |
| C ₂ | 29 | 29 | 18,9 | 21,1 | 40,0 | 20 | 5,30% | 2,30 |
| C ₃ | 21 | 27 | 16 | 24 | 40,0 | 20 | 6,40% | 2,53 |
| KC ₁ | 0 | 48 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| KC ₂ | 0 | 47 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| KC ₃ | 0 | 66 | 0,0 | 40,0 | 40,0 | 20 | 0,00% | - |
| D ₁ | 41 | 135 | 8,5 | 31,5 | 40,0 | 20 | 2,60% | 1,60 |
| D ₂ | 50 | 123 | 10,1 | 29,9 | 40,0 | 20 | 4,90% | 2,21 |
| D ₃ | 37 | 133 | 8,0 | 32 | 40,0 | 20 | 2,30% | 1,53 |
| KD ₁ | 0 | 175 | 0,0 | 39,72 | 40,0 | 20 | 0,00% | - |
| KD ₂ | 0 | 165 | 0,0 | 38,87 | 40,0 | 20 | 0,00% | - |
| KD ₃ | 0 | 171 | 0,0 | 39,4 | 40,0 | 20 | 0,00% | - |
| E ₁ | 69 | 743 | 2,9 | 37,1 | 40,0 | 20 | 1,40% | 1,20 |
| E ₂ | 63 | 744 | 2,6 | 37,4 | 40,0 | 20 | 1,40% | 1,18 |
| E ₃ | 31 | 783 | 1,4 | 38,6 | 40,0 | 20 | 0,40% | 0,66 |
| KE ₁ | 0 | 734 | 0,0 | 40,0 | 40,0 | 0 | 0,00% | - |
| KE ₂ | 0 | 763 | 0,0 | 40,0 | 40,0 | 0 | 0,00% | - |
| KE ₃ | 0 | 738 | 0,0 | 40,0 | 40,0 | 0 | 0,00% | - |

Lampiran 05. Data Indeks Kerentanan pada Berbagai Biji yang Ditumbuhkan

| No. | Perlakuan/ Ulangan | Indeks Kerentanan | Rerata | Kategori |
|-----|-----------------------|----------------------|--------|---------------|
| 1. | A ₁ | 7,7 | 11,3 | Sangat Rentan |
| 2. | A ₂ | 14,4 | | |
| 3. | A ₃ | 11,7 | | |
| 4. | B ₁ | 15,7 | 16,0 | Sangat Rentan |
| 5. | B ₂ | 16,8 | | |
| 6. | B ₃ | 15,5 | | |
| 7. | C ₁ | 11,3 | 11,1 | Sangat Rentan |
| 8. | C ₂ | 12,1 | | |
| 9. | C ₃ | 9,8 | | |
| 10. | D ₁ | 12,3 | 13,0 | Sangat Rentan |
| 11. | D ₂ | 13,8 | | |
| 12. | D ₃ | 12,8 | | |
| 13. | E ₁ | 8,0 | 7,2 | Cukup Rentan |
| 14. | E ₂ | 7,7 | | |
| 15. | E ₃ | 6,0 | | |



Lampiran 06. Data Berat Basah pada Tanaman Kacang yang Ditumbuhkan

| Perlakuan | Biji ke- | | | | | | | | | | | | | | | Jumlah | Rerata |
|-----------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| A1 | 1,92 | 1,54 | 2,37 | 2,27 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 8,10 | 0,54 |
| A2 | 2,22 | 2,42 | 0,64 | 0,73 | 2,11 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 8,12 | 0,54 |
| A3 | 1,90 | 1,09 | 0,81 | 1,11 | 1,13 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 6,04 | 0,40 |
| KA1 | 2,59 | 3,07 | 3,58 | 1,13 | 3,73 | 1,9 | 0,64 | 1,12 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 17,76 | 1,18 |
| KA2 | 2,67 | 2,35 | 2,21 | 2,79 | 2,12 | 2,16 | 2,41 | 2,53 | 1,76 | 1,76 | 2,35 | 2,21 | 0,00 | 0,00 | 0,00 | 27,32 | 1,82 |
| KA3 | 2,65 | 3,54 | 0,64 | 2,36 | 1,35 | 3,26 | 1,45 | 1,01 | 1,02 | 0,54 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 17,82 | 1,19 |
| B1 | 0,36 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,36 | 0,02 |
| B2 | 0,24 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,24 | 0,02 |
| B3 | 0,12 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,12 | 0,01 |
| KB1 | 0,64 | 0,78 | 0,74 | 0,91 | 0,71 | 0,88 | 0,81 | 0,88 | 0,99 | 0,80 | 0,85 | 0,9 | 0,82 | 0,96 | 0,00 | 11,67 | 0,78 |
| KB2 | 0,57 | 0,78 | 0,91 | 0,68 | 0,60 | 0,70 | 0,67 | 0,71 | 0,87 | 0,74 | 0,74 | 0,71 | 0,68 | 0,61 | 0,81 | 10,78 | 0,72 |
| KB3 | 0,69 | 0,66 | 0,69 | 0,85 | 0,52 | 0,78 | 0,96 | 0,78 | 0,72 | 0,91 | 0,74 | 0,61 | 0,63 | 1,01 | 0,00 | 10,55 | 0,70 |

| | | | | | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| C1 | 0,85 | 0,31 | 0,46 | 0,31 | 0,45 | 0,24 | 0,70 | 0,39 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 3,71 | 0,25 |
| C2 | 0,63 | 0,56 | 0,43 | 0,39 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 2,01 | 0,13 |
| C3 | 1,77 | 2,04 | 2,32 | 0,99 | 0,38 | 0,47 | 0,57 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 8,54 | 0,57 |
| KC1 | 3,68 | 1,82 | 2,27 | 2,61 | 2,44 | 2,13 | 1,59 | 1,15 | 1,40 | 0,96 | 0,87 | 0,00 | 0,00 | 0,00 | 0,00 | 20,92 | 1,39 |
| KC2 | 1,66 | 2,56 | 1,31 | 1,11 | 2,26 | 3,11 | 2,14 | 2,15 | 1,45 | 0,64 | 1,05 | 0,40 | 0,00 | 0,00 | 0,00 | 19,84 | 1,32 |
| KC3 | 0,68 | 3,07 | 1,83 | 2,62 | 0,88 | 0,78 | 1,30 | 0,80 | 0,49 | 0,79 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 13,24 | 0,88 |
| D1 | 0,96 | 2,01 | 2,05 | 1,66 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 6,68 | 0,45 |
| D2 | 0,65 | 1,48 | 1,68 | 1,18 | 2,27 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 7,26 | 0,48 |
| D3 | 1,66 | 1,07 | 1,17 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 3,90 | 0,26 |
| KD1 | 1,45 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 1,45 | 0,10 |
| KD2 | 1,44 | 0,35 | 0,39 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 2,18 | 0,15 |
| KD3 | 0,70 | 1,91 | 0,93 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 3,54 | 0,24 |
| E1 | 0,22 | 0,21 | 0,15 | 0,18 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,76 | 0,05 |
| E2 | 0,15 | 0,21 | 0,22 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,58 | 0,04 |
| E3 | 0,36 | 0,24 | 0,32 | 0,17 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 0,00 | 1,09 | 0,07 |
| KE1 | 0,64 | 0,54 | 0,62 | 0,72 | 0,85 | 0,59 | 0,79 | 0,57 | 0,77 | 0,79 | 0,58 | 0,88 | 0,57 | 0,50 | 0,00 | 9,41 | 0,63 |
| KE2 | 0,70 | 0,74 | 0,64 | 0,62 | 0,69 | 0,66 | 0,64 | 0,48 | 0,46 | 0,61 | 0,66 | 0,42 | 0,73 | 0,54 | 0,53 | 9,12 | 0,61 |
| KE3 | 0,81 | 0,60 | 0,64 | 0,71 | 0,51 | 0,81 | 0,66 | 0,41 | 0,27 | 0,17 | 0,24 | 0,00 | 0,00 | 0,00 | 0,00 | 5,83 | 0,39 |

Lampiran 07. Data Parameter Lingkungan di Penyimpanan

1. Suhu (°C)

| Hari | Tanggal | Suhu Luar | | | | Suhu Dalam | | | |
|------|-----------|-----------|-------|------|--------|------------|-------|------|--------|
| | | Pagi | Siang | Sore | Rerata | Pagi | Siang | Sore | Rerata |
| 1 | 07-Sep-23 | 25,3 | 27,7 | 28,3 | 27,1 | 25,0 | 27,3 | 27,8 | 26,7 |
| 2 | 08-Sep-23 | 25,7 | 27,4 | 27,8 | 27,0 | 25,4 | 27,0 | 27,5 | 26,6 |
| 3 | 09-Sep-23 | 26,0 | 28,5 | 28,9 | 27,8 | 25,5 | 28,1 | 28,7 | 27,4 |
| 4 | 10-Sep-23 | 25,5 | 27,8 | 28,0 | 27,1 | 24,6 | 27,6 | 28,4 | 26,9 |
| 5 | 11-Sep-23 | 25,6 | 28,4 | 28,7 | 27,6 | 25,3 | 28,0 | 28,1 | 27,1 |
| 6 | 12-Sep-23 | 25,2 | 28,0 | 28,1 | 27,1 | 24,9 | 27,7 | 27,9 | 26,8 |
| 7 | 13-Sep-23 | 25,1 | 28,1 | 28,4 | 27,2 | 24,8 | 27,7 | 28,2 | 26,9 |
| 8 | 14-Sep-23 | 25,8 | 27,4 | 27,8 | 27,0 | 25,4 | 27,1 | 27,5 | 26,7 |
| 9 | 15-Sep-23 | 25,6 | 27,8 | 27,8 | 27,1 | 25,0 | 27,4 | 27,8 | 26,7 |
| 10 | 16-Sep-23 | 25,8 | 28,9 | 28,4 | 27,7 | 25,3 | 28,0 | 28,3 | 27,2 |
| 11 | 17-Sep-23 | 25,4 | 27,9 | 28,0 | 27,1 | 25,5 | 27,8 | 28,0 | 27,1 |
| 12 | 18-Sep-23 | 26,5 | 28,2 | 28,5 | 27,7 | 25,9 | 27,5 | 28,8 | 27,4 |
| 13 | 19-Sep-23 | 25,9 | 28,1 | 27,6 | 27,2 | 25,7 | 27,3 | 27,5 | 26,8 |
| 14 | 20-Sep-23 | 26,9 | 27,8 | 28,4 | 27,7 | 26,1 | 27,8 | 28,6 | 27,5 |
| 15 | 21-Sep-23 | 25,6 | 29,8 | 28,8 | 28,1 | 25,2 | 29,2 | 28,6 | 27,7 |
| 16 | 22-Sep-23 | 26,2 | 29,1 | 28,8 | 28,0 | 25,8 | 28,4 | 28,5 | 27,6 |
| 17 | 23-Sep-23 | 25,6 | 27,8 | 29,0 | 27,5 | 25 | 27,6 | 28,8 | 27,1 |
| 18 | 24-Sep-23 | 25,7 | 28,8 | 28,7 | 27,7 | 25,2 | 28,1 | 28,4 | 27,2 |
| 19 | 25-Sep-23 | 25,6 | 28,7 | 28,5 | 27,6 | 25 | 27,8 | 28,5 | 27,1 |
| 20 | 26-Sep-23 | 26,5 | 28,5 | 28,4 | 27,8 | 25,9 | 28,1 | 28,3 | 27,4 |
| 21 | 27-Sep-23 | 25,9 | 28,7 | 28,8 | 27,8 | 25,4 | 28,1 | 28,5 | 27,3 |
| 22 | 28-Sep-23 | 25,7 | 28,5 | 28,4 | 27,5 | 25,3 | 28,0 | 28,4 | 27,2 |
| 23 | 29-Sep-23 | 27,1 | 29,5 | 28,5 | 28,4 | 26,4 | 28,7 | 29,0 | 28,0 |
| 24 | 30-Sep-23 | 26,1 | 28,2 | 28,6 | 27,6 | 25,2 | 28,0 | 28,6 | 27,3 |
| 25 | 01-Okt-23 | 26,6 | 28,2 | 28,4 | 27,7 | 26,4 | 27,9 | 28,2 | 27,5 |
| 26 | 02-Okt-23 | 25,9 | 27,5 | 28,4 | 27,3 | 25,5 | 27,8 | 28,2 | 27,2 |
| 27 | 03-Okt-23 | 25,8 | 27,7 | 28,1 | 27,2 | 25,5 | 27,6 | 28,0 | 27,0 |
| 28 | 04-Okt-23 | 25,9 | 26,8 | 27,1 | 26,6 | 26,1 | 27,8 | 28,2 | 27,4 |
| 29 | 05-Okt-23 | 25,9 | 27,2 | 27,1 | 26,7 | 25,5 | 28,4 | 27,2 | 27,0 |
| 30 | 06-Okt-23 | 26,9 | 27,6 | 27,9 | 27,5 | 27,2 | 28,3 | 28,4 | 28,0 |
| 31 | 07-Okt-23 | 27,6 | 28,3 | 28,1 | 28,0 | 28,2 | 28,6 | 28,3 | 28,4 |
| 32 | 08-Okt-23 | 26,7 | 28,1 | 28,6 | 27,8 | 27,5 | 28,6 | 28,9 | 28,3 |
| 33 | 09-Okt-23 | 27,5 | 29,4 | 28,2 | 28,4 | 27,7 | 28,9 | 28,5 | 28,4 |
| 34 | 10-Okt-23 | 27,2 | 28,6 | 28,2 | 28,0 | 27,1 | 29,1 | 28,4 | 28,2 |
| 35 | 11-Okt-23 | 27,2 | 29,0 | 28,8 | 28,3 | 27,3 | 28,3 | 29,1 | 28,2 |
| 36 | 12-Okt-23 | 27,6 | 28,9 | 29,1 | 28,5 | 27,6 | 29,4 | 29,2 | 28,7 |

| | | | | | | | | | |
|---------------|-----------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|
| 37 | 13-Okt-23 | 27,7 | 29,6 | 29,4 | 28,9 | 27,9 | 29,6 | 29,5 | 29,0 |
| 38 | 14-Okt-23 | 27,9 | 29,0 | 29,1 | 28,7 | 28,0 | 29,1 | 29,2 | 28,8 |
| 39 | 15-Okt-23 | 27,3 | 28,6 | 29,0 | 28,3 | 27,2 | 28,9 | 29,1 | 28,4 |
| 40 | 16-Okt-23 | 27,4 | 29,1 | 29,5 | 28,7 | 27,4 | 29,2 | 29,7 | 28,8 |
| 41 | 17-Okt-23 | 27,9 | 29,5 | 29,6 | 29,0 | 27,9 | 29,7 | 29,6 | 29,1 |
| 42 | 18-Okt-23 | 27,7 | 29,1 | 29,3 | 28,7 | 27,9 | 29,4 | 30 | 29,0 |
| 43 | 19-Okt-23 | 27,6 | 28,9 | 29,4 | 28,6 | 27,7 | 29,4 | 29,4 | 28,8 |
| 44 | 20-Okt-23 | 28,3 | 29,5 | 27,9 | 28,6 | 28,9 | 29,9 | 28,0 | 28,9 |
| 45 | 21-Okt-23 | 28,1 | 28,9 | 28,4 | 28,5 | 28,2 | 29,2 | 28,7 | 28,7 |
| 46 | 22-Okt-23 | 28,4 | 28,8 | 28,6 | 28,6 | 28,6 | 28,9 | 28,8 | 28,8 |
| 47 | 23-Okt-23 | 28,2 | 28,4 | 28,2 | 28,3 | 28,5 | 28,7 | 28,4 | 28,5 |
| 48 | 24-Okt-23 | 26,8 | 28,6 | 28,4 | 27,9 | 26,6 | 28,7 | 28,6 | 28,0 |
| 49 | 25-Okt-23 | 27,1 | 28,2 | 27,8 | 27,7 | 27,1 | 28,4 | 27,8 | 27,8 |
| 50 | 26-Okt-23 | 27,0 | 28,6 | 28,6 | 28,1 | 27,2 | 28,8 | 28,8 | 28,3 |
| 51 | 27-Okt-23 | 27,1 | 28,3 | 28,5 | 28,0 | 27,1 | 28,8 | 28,8 | 28,2 |
| 52 | 28-Okt-23 | 26,9 | 28,3 | 29,1 | 28,1 | 27,0 | 28,8 | 29,1 | 28,3 |
| 53 | 29-Okt-23 | 27,9 | 28,8 | 29,2 | 28,6 | 28,4 | 29,2 | 29,4 | 29,0 |
| 54 | 30-Okt-23 | 27,9 | 28,9 | 29,2 | 28,7 | 28,1 | 29,2 | 29,5 | 28,9 |
| 55 | 31-Okt-23 | 28,1 | 29,5 | 29,1 | 28,9 | 28,4 | 29,8 | 29,2 | 29,1 |
| 56 | 01-Nov-23 | 27,5 | 28,9 | 28,4 | 28,3 | 27,8 | 29,3 | 28,2 | 28,4 |
| 57 | 02-Nov-23 | 27,3 | 28,4 | 28,8 | 28,2 | 27,5 | 28,6 | 28,9 | 28,3 |
| 58 | 03-Nov-23 | 26,8 | 28,7 | 27,9 | 27,8 | 27,1 | 29,1 | 28,2 | 28,1 |
| 59 | 04-Nov-23 | 27,9 | 28,3 | 28,3 | 28,2 | 28,2 | 28,7 | 28,5 | 28,5 |
| 60 | 05-Nov-23 | 27,0 | 27,2 | 27,5 | 27,2 | 27,0 | 27,5 | 27,6 | 27,4 |
| Jumlah | | 1603 | 1707 | 1708 | 1646 | 1596 | 1706 | 1712 | 1671 |
| Rerata | | 26,7 | 28,5 | 28,5 | 27,88 | 26,6 | 28,4 | 28,5 | 27,86 |

2. Kelembapan Relatif (%)

| Hari | Pagi | Siang | Sore | Rerata |
|------|------|-------|------|--------|
| 1 | 71 | 66 | 63 | 66,7 |
| 2 | 73 | 57 | 54 | 61,3 |
| 3 | 69 | 59 | 58 | 62,0 |
| 4 | 72 | 61 | 59 | 64,0 |
| 5 | 70 | 65 | 61 | 65,3 |
| 6 | 74 | 57 | 56 | 62,3 |
| 7 | 72 | 62 | 61 | 65,0 |
| 8 | 67 | 62 | 63 | 64,0 |
| 9 | 69 | 62 | 58 | 63,0 |
| 10 | 75 | 59 | 60 | 64,7 |
| 11 | 70 | 63 | 60 | 64,3 |

| | | | | |
|----|----|----|----|------|
| 12 | 73 | 64 | 61 | 66,0 |
| 13 | 75 | 72 | 66 | 71,0 |
| 14 | 70 | 68 | 61 | 66,3 |
| 15 | 69 | 54 | 63 | 62,0 |
| 16 | 58 | 46 | 44 | 49,3 |
| 17 | 72 | 59 | 57 | 62,7 |
| 18 | 74 | 57 | 55 | 62,0 |
| 19 | 72 | 62 | 59 | 64,3 |
| 20 | 67 | 55 | 55 | 59,0 |
| 21 | 67 | 47 | 47 | 53,7 |
| 22 | 68 | 59 | 59 | 62,0 |
| 23 | 67 | 56 | 51 | 58,0 |
| 24 | 68 | 60 | 61 | 63,0 |
| 25 | 70 | 57 | 63 | 63,3 |
| 26 | 61 | 53 | 54 | 56,0 |
| 27 | 64 | 57 | 61 | 60,7 |
| 28 | 70 | 64 | 63 | 65,7 |
| 29 | 61 | 65 | 79 | 68,3 |
| 30 | 74 | 67 | 68 | 69,7 |
| 31 | 70 | 64 | 66 | 66,7 |
| 32 | 75 | 69 | 62 | 68,7 |
| 33 | 67 | 57 | 65 | 63,0 |
| 34 | 70 | 61 | 64 | 65,0 |
| 35 | 71 | 64 | 67 | 67,3 |
| 36 | 67 | 63 | 58 | 62,7 |
| 37 | 67 | 55 | 57 | 59,7 |
| 38 | 64 | 61 | 62 | 62,3 |
| 39 | 68 | 62 | 62 | 64,0 |
| 40 | 72 | 52 | 56 | 60,0 |
| 41 | 69 | 52 | 51 | 57,3 |
| 42 | 63 | 56 | 52 | 57,0 |
| 43 | 62 | 52 | 54 | 56,0 |
| 44 | 61 | 55 | 70 | 62,0 |
| 45 | 67 | 66 | 69 | 67,3 |
| 46 | 66 | 62 | 64 | 64,0 |
| 47 | 64 | 63 | 60 | 62,3 |
| 48 | 71 | 58 | 74 | 67,7 |
| 49 | 75 | 71 | 71 | 72,3 |
| 50 | 75 | 69 | 67 | 70,3 |
| 51 | 72 | 63 | 66 | 67,0 |
| 52 | 74 | 65 | 60 | 66,3 |

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| 53 | 65 | 64 | 60 | 63,0 |
| 54 | 66 | 63 | 61 | 63,3 |
| 55 | 66 | 61 | 64 | 63,7 |
| 56 | 72 | 67 | 67 | 68,7 |
| 57 | 74 | 74 | 69 | 72,3 |
| 58 | 75 | 69 | 75 | 73,0 |
| 59 | 77 | 75 | 75 | 75,7 |
| 60 | 75 | 77 | 76 | 76,0 |
| Jumlah | 4162 | 3685 | 3704 | 3850 |
| Rerata | 69,4 | 61,4 | 61,7 | 64,2 |

3. Intensitas Cahaya (Lux)

| Hari | Pagi | Siang | Sore | Rerata |
|-------------|-------------|--------------|-------------|---------------|
| 1 | 264 | 173 | 47 | 161,3 |
| 2 | 213 | 145 | 60 | 139,3 |
| 3 | 249 | 180 | 51 | 160,0 |
| 4 | 288 | 178 | 59 | 175,0 |
| 5 | 246 | 168 | 44 | 152,7 |
| 6 | 243 | 143 | 50 | 145,3 |
| 7 | 251 | 180 | 2,7 | 144,6 |
| 8 | 250 | 170 | 59 | 159,7 |
| 9 | 248 | 114 | 62 | 141,3 |
| 10 | 218 | 112 | 40 | 123,3 |
| 11 | 252 | 165 | 65 | 160,7 |
| 12 | 258 | 179 | 52 | 163,0 |
| 13 | 235 | 270 | 35 | 180,0 |
| 14 | 247 | 47 | 11 | 101,7 |
| 15 | 262 | 297 | 0,5 | 186,5 |
| 16 | 260 | 363 | 68 | 230,3 |
| 17 | 233 | 354 | 56 | 214,3 |
| 18 | 254 | 293 | 49 | 198,7 |
| 19 | 267 | 374 | 21 | 220,7 |
| 20 | 242 | 184 | 57 | 161,0 |
| 21 | 241 | 169 | 68 | 159,3 |
| 22 | 219 | 278 | 60 | 185,7 |
| 23 | 224 | 340 | 177 | 247 |
| 24 | 213 | 201 | 24 | 146 |
| 25 | 215 | 48 | 3,2 | 88,7 |
| 26 | 210 | 295 | 63 | 189,3 |
| 27 | 235 | 342 | 54 | 210,3 |

| | | | | |
|---------------|--------------|--------------|-------------|--------------|
| 28 | 243 | 329 | 39 | 203,7 |
| 29 | 237 | 121 | 7,8 | 121,9 |
| 30 | 251 | 275 | 32 | 186,0 |
| 31 | 260 | 94 | 19 | 124,3 |
| 32 | 243 | 157 | 57 | 152,3 |
| 33 | 218 | 134 | 1,2 | 117,7 |
| 34 | 237 | 96 | 88 | 140,3 |
| 35 | 255 | 163 | 0,7 | 139,6 |
| 36 | 252 | 165 | 26 | 147,7 |
| 37 | 272 | 141 | 12 | 141,7 |
| 38 | 162 | 157 | 1 | 106,7 |
| 39 | 231 | 182 | 14 | 142,3 |
| 40 | 291 | 360 | 26 | 225,7 |
| 41 | 262 | 202 | 36 | 166,7 |
| 42 | 302 | 339 | 56 | 232,3 |
| 43 | 312 | 335 | 25 | 224,0 |
| 44 | 266 | 189 | 1,5 | 152,2 |
| 45 | 298 | 22 | 1,2 | 107,1 |
| 46 | 294 | 76 | 38 | 136,0 |
| 47 | 275 | 173 | 3,9 | 150,6 |
| 48 | 197 | 168 | 17 | 127,3 |
| 49 | 211 | 195 | 2,9 | 136,3 |
| 50 | 246 | 192 | 6,6 | 148,2 |
| 51 | 334 | 205 | 7 | 182,0 |
| 52 | 329 | 202 | 25 | 185,3 |
| 53 | 329 | 205 | 50 | 194,7 |
| 54 | 324 | 183 | 28 | 178,3 |
| 55 | 80 | 20 | 3 | 34,3 |
| 56 | 75 | 15 | 9 | 33,0 |
| 57 | 219 | 26 | 3 | 82,7 |
| 58 | 66 | 60 | 20 | 48,7 |
| 59 | 86 | 55 | 27 | 56,0 |
| 60 | 114 | 40 | 12 | 55,3 |
| Jumlah | 14308 | 11038 | 2034 | 9127 |
| Rerata | 238,5 | 184,0 | 33,9 | 152,1 |

Lampiran 09. Hasil Uji Prasyarat (Normalitas)

1. Persentase Kerusakan Biji

| One-Sample Kolmogorov-Smirnov Test ^a | | | |
|---|----------------|---------------------------|-----------|
| | | Persentase Kerusakan Biji | Perlakuan |
| N | | 15 | 15 |
| Normal Parameters | Mean | 21,000 | 3,000 |
| | Std. Deviation | 13,8377 | 1,4639 |
| Most Extreme Differences | Absolute | ,155 | ,153 |
| | Positive | ,155 | ,153 |
| | Negative | -,107 | -,153 |
| Test Statistic | | ,155 | ,153 |
| Asymp. Sig. (2-tailed) | | ,200 | ,200 |

a. Data Persentase Kerusakan Biji is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted.

2. Persentase Penurunan Berat Biji

a. Sebelum Transformasi Akar (SQRT)

| One-Sample Kolmogorov-Smirnov Test ^a | | | |
|---|----------------|---------------------------------|-----------|
| | | Persentase Penurunan Berat Biji | Perlakuan |
| N | | 15 | 15 |
| Normal Parameters | Mean | 3,1386 | 3,000 |
| | Std. Deviation | 2,07942 | 1,4639 |
| Most Extreme Differences | Absolute | ,220 | ,153 |
| | Positive | ,220 | ,153 |
| | Negative | -,135 | -,153 |
| Test Statistic | | ,220 | ,153 |
| Asymp. Sig. (2-tailed) | | ,050 ^b | ,200 |

a. Data Persentase Penurunan Berat Biji is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted.

b. Setelah Transformasi Akar (SQRT)

| One-Sample Kolmogorov-Smirnov Test ^a | | | |
|---|----------------|---------------------------------|-----------|
| | | Persentase Penurunan Berat Biji | Perlakuan |
| N | | 15 | 15 |
| Normal Parameters | Mean | 1,6831 | 3,000 |
| | Std. Deviation | ,57246 | 1,4639 |

| | | | |
|--|----------|-------|-------|
| Most Extreme Differences | Absolute | ,161 | ,153 |
| | Positive | ,161 | ,153 |
| | Negative | -,124 | -,153 |
| Test Statistic | | ,161 | ,153 |
| Asymp. Sig. (2-tailed) | | ,200 | ,200 |
| a. Data Persentase Penurunan Berat Biji is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted. | | | |

3. Indeks Kerentanan Berbagai Kacang

| One-Sample Kolmogorov-Smirnov Test ^a | | | |
|--|----------------|------------------------|-----------|
| | | Data Indeks Kerentanan | Perlakuan |
| N | | 15 | 15 |
| Normal Parameters | Mean | 11,7130 | 3,0000 |
| | Std. Deviation | 3,29218 | 1,46385 |
| Most Extreme Differences | Absolute | ,137 | ,153 |
| | Positive | ,137 | ,153 |
| | Negative | -,121 | -,153 |
| Test Statistic | | ,137 | ,153 |
| Asymp. Sig. (2-tailed) | | ,200 | ,200 |
| a. Data Indeks Kerentanan is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted. | | | |

4. Berat Basah Tanaman Kacang yang Ditumbuhkan

| One-Sample Kolmogorov-Smirnov Test | | | |
|------------------------------------|----------------|------------------|-----------|
| | | Data Berat Basah | Perlakuan |
| N | | 30 | 30 |
| Normal Parameters | Mean | ,5309778 | 5,5000 |
| | Std. Deviation | ,47063137 | 2,92138 |
| Most Extreme Differences | Absolute | ,133 | ,104 |
| | Positive | ,119 | ,104 |
| | Negative | -,133 | -,104 |
| Test Statistic | | ,133 | ,104 |
| Asymp. Sig. (2-tailed) | | ,184 | ,200 |

Lampiran 10. Hasil Uji Prasyarat (Homogenitas)

1. Persentase Kerusakan Biji

| Test of Homogeneity of Variances ^a | | | | | |
|--|--------------------------------------|------------------|-----|-------|------|
| | | Levene Statistic | df1 | df2 | Sig. |
| Persentase Kerusakan Biji | Based on Mean | 1,146 | 4 | 10 | ,390 |
| | Based on Median | ,739 | 4 | 10 | ,586 |
| | Based on Median and with adjusted df | ,739 | 4 | 7,096 | ,594 |
| | Based on trimmed mean | 1,121 | 4 | 10 | ,400 |
| a. Data Persentase Kerusakan Biji is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted. | | | | | |

2. Persentase Penurunan Berat Biji

a. Sebelum Tranformasi Data SQRT

| Test of Homogeneity of Variances ^a | | | | | |
|---|--------------------------------------|------------------|-----|-------|------|
| | | Levene Statistic | df1 | df2 | Sig. |
| Persentase Penurunan Berat Biji | Based on Mean | 1,364 | 4 | 10 | ,313 |
| | Based on Median | ,354 | 4 | 10 | ,836 |
| | Based on Median and with adjusted df | ,354 | 4 | 5,644 | ,833 |
| | Based on trimmed mean | 1,258 | 4 | 10 | ,348 |
| a. Persentase Penurunan Berat Biji is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted. | | | | | |

b. Setelah Transformasi Data SQRT

| Test of Homogeneity of Variances ^a | | | | | |
|---|--------------------------------------|------------------|-----|-------|------|
| | | Levene Statistic | df1 | df2 | Sig. |
| Persentase Penurunan Berat Biji (SQRT) | Based on Mean | ,792 | 4 | 10 | ,557 |
| | Based on Median | ,114 | 4 | 10 | ,975 |
| | Based on Median and with adjusted df | ,114 | 4 | 6,870 | ,973 |
| | Based on trimmed mean | ,699 | 4 | 10 | ,610 |
| a. Persentase Penurunan Berat Biji is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted. | | | | | |

3. Indeks Kerentanan

| Test of Homogeneity of Variances ^a | | | | | |
|---|--------------------------------------|------------------|-----|-------|------|
| | | Levene Statistic | df1 | df2 | Sig. |
| Indeks Kerentanan | Based on Mean | 2,630 | 4 | 10 | ,098 |
| | Based on Median | 1,339 | 4 | 10 | ,321 |
| | Based on Median and with adjusted df | 1,339 | 4 | 4,032 | ,391 |
| | Based on trimmed mean | 2,535 | 4 | 10 | ,106 |

a. Indeks Kerentanan is constant when perlakuan KA, KB, KC, KD dan KE. It has been omitted.

4. Berat Basah Tanaman Kacang yang Ditumbuhkan

a. Sebelum Transformasi Data

| Test of Homogeneity of Variances | | | | | |
|----------------------------------|--------------------------------------|------------------|-----|-------|------|
| | | Levene Statistic | df1 | df2 | Sig. |
| Data Berat Basah Tanaman Kacang | Based on Mean | 6,409 | 9 | 20 | ,000 |
| | Based on Median | ,623 | 9 | 20 | ,764 |
| | Based on Median and with adjusted df | ,623 | 9 | 5,777 | ,749 |
| | Based on trimmed mean | 5,370 | 9 | 20 | ,001 |

c. Setelah Transformasi Data

| Test of Homogeneity of Variances | | | | | |
|----------------------------------|--------------------------------------|------------------|-----|--------|------|
| | | Levene Statistic | df1 | df2 | Sig. |
| Data Hasil Transformasi SQRT | Based on Mean | 2,950 | 9 | 20 | ,021 |
| | Based on Median | ,515 | 9 | 20 | ,846 |
| | Based on Median and with adjusted df | ,515 | 9 | 10,214 | ,834 |
| | Based on trimmed mean | 2,632 | 9 | 20 | ,034 |

Lampiran 11. Hasil Uji Statistik (Hipotesis)

1. Persentase Kerusakan Biji

| ANOVA | | | | | |
|---------------------------|----------------|----|-------------|--------|------|
| Persentase Kerusakan Biji | | | | | |
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 5758,154 | 9 | 639,795 | 56,349 | ,000 |
| Within Groups | 227,082 | 20 | 11,354 | | |
| Total | 5985,236 | 29 | | | |

2. Persentase Penurunan Berat Biji

| ANOVA | | | | | |
|---------------------------------|----------------|----|-------------|--------|------|
| Persentase Penurunan Berat Biji | | | | | |
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 124,338 | 9 | 13,815 | 27,408 | ,000 |
| Within Groups | 10,081 | 20 | ,504 | | |
| Total | 134,419 | 29 | | | |

3. Indeks Kerentanan

| ANOVA | | | | | |
|-------------------|----------------|----|-------------|--------|------|
| Indeks Kerentanan | | | | | |
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 1150,929 | 9 | 127,881 | 85,923 | ,000 |
| Within Groups | 29,766 | 20 | 1,488 | | |
| Total | 1180,695 | 29 | | | |

4. Berat Basah Tanaman Kacang yang Ditumbuhkan

| ANOVA | | | | | |
|----------------|----------------|----|-------------|--------|------|
| Berat Basah | | | | | |
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 5,841 | 9 | ,649 | 21,119 | ,000 |
| Within Groups | ,615 | 20 | ,031 | | |
| Total | 6,456 | 29 | | | |

Lampiran 12. Hasil Analisis Statistik (Uji Lanjut)

1. Persentase Kerusakan Biji

| Multiple Comparisons | | | | | | |
|--|---------------|-----------------------|------------|-------|-------------------------|-------------|
| Dependent Variable: Data Persentase Kerusakan Biji | | | | | | |
| LSD | | | | | | |
| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| | | | | | Lower Bound | Upper Bound |
| A | KA | 17,95197* | 2,75126 | ,000 | 12,2130 | 23,6910 |
| | B | 5,85951* | 2,75126 | ,046 | ,1205 | 11,5985 |
| | KB | 17,95197* | 2,75126 | ,000 | 12,2130 | 23,6910 |
| | C | -25,64371* | 2,75126 | ,000 | -31,3827 | -19,9047 |
| | KC | 17,95197* | 2,75126 | ,000 | 12,2130 | 23,6910 |
| | D | -6,70199* | 2,75126 | ,024 | -12,4410 | -,9630 |
| | KD | 17,95197* | 2,75126 | ,000 | 12,2130 | 23,6910 |
| | E | 11,24778* | 2,75126 | ,001 | 5,5088 | 16,9868 |
| | KE | 17,95197* | 2,75126 | ,000 | 12,2130 | 23,6910 |
| KA | A | -17,95197* | 2,75126 | ,000 | -23,6910 | -12,2130 |
| | B | -12,09246* | 2,75126 | ,000 | -17,8315 | -6,3534 |
| | KB | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | C | -43,59568* | 2,75126 | ,000 | -49,3347 | -37,8567 |
| | KC | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | D | -24,65396* | 2,75126 | ,000 | -30,3930 | -18,9149 |
| | KD | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | E | -6,70419* | 2,75126 | ,024 | -12,4432 | -,9652 |
| | KE | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| B | A | -5,85951* | 2,75126 | ,046 | -11,5985 | -,1205 |
| | KA | 12,09246* | 2,75126 | ,000 | 6,3534 | 17,8315 |
| | KB | 12,09246* | 2,75126 | ,000 | 6,3534 | 17,8315 |
| | C | -31,50322* | 2,75126 | ,000 | -37,2422 | -25,7642 |
| | KC | 12,09246* | 2,75126 | ,000 | 6,3534 | 17,8315 |
| | D | -12,56150* | 2,75126 | ,000 | -18,3005 | -6,8225 |
| | KD | 12,09246* | 2,75126 | ,000 | 6,3534 | 17,8315 |
| | E | 5,38827 | 2,75126 | ,064 | -,3508 | 11,1273 |
| | KE | 12,09246* | 2,75126 | ,000 | 6,3534 | 17,8315 |
| KB | A | -17,95197* | 2,75126 | ,000 | -23,6910 | -12,2130 |
| | KA | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | B | -12,09246* | 2,75126 | ,000 | -17,8315 | -6,3534 |
| | C | -43,59568* | 2,75126 | ,000 | -49,3347 | -37,8567 |

| | | | | | | |
|----|----|------------|-----------|---------|----------|----------|
| | KC | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | D | -24,65396* | 2,75126 | ,000 | -30,3930 | -18,9149 |
| | KD | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | E | -6,70419* | 2,75126 | ,024 | -12,4432 | -,9652 |
| | KE | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| C | A | 25,64371* | 2,75126 | ,000 | 19,9047 | 31,3827 |
| | KA | 43,59568* | 2,75126 | ,000 | 37,8567 | 49,3347 |
| | B | 31,50322* | 2,75126 | ,000 | 25,7642 | 37,2422 |
| | KB | 43,59568* | 2,75126 | ,000 | 37,8567 | 49,3347 |
| | KC | 43,59568* | 2,75126 | ,000 | 37,8567 | 49,3347 |
| | D | 18,94171* | 2,75126 | ,000 | 13,2027 | 24,6807 |
| | KD | 43,59568* | 2,75126 | ,000 | 37,8567 | 49,3347 |
| | E | 36,89148* | 2,75126 | ,000 | 31,1525 | 42,6305 |
| | KE | 43,59568* | 2,75126 | ,000 | 37,8567 | 49,3347 |
| KC | A | -17,95197* | 2,75126 | ,000 | -23,6910 | -12,2130 |
| | KA | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | B | -12,09246* | 2,75126 | ,000 | -17,8315 | -6,3534 |
| | KB | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | C | -43,59568* | 2,75126 | ,000 | -49,3347 | -37,8567 |
| | D | -24,65396* | 2,75126 | ,000 | -30,3930 | -18,9149 |
| | KD | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | E | -6,70419* | 2,75126 | ,024 | -12,4432 | -,9652 |
| | | KE | ,00000 | 2,75126 | 1,000 | -5,7390 |
| D | A | 6,70199* | 2,75126 | ,024 | ,9630 | 12,4410 |
| | KA | 24,65396* | 2,75126 | ,000 | 18,9149 | 30,3930 |
| | B | 12,56150* | 2,75126 | ,000 | 6,8225 | 18,3005 |
| | KB | 24,65396* | 2,75126 | ,000 | 18,9149 | 30,3930 |
| | C | -18,94171* | 2,75126 | ,000 | -24,6807 | -13,2027 |
| | KC | 24,65396* | 2,75126 | ,000 | 18,9149 | 30,3930 |
| | KD | 24,65396* | 2,75126 | ,000 | 18,9149 | 30,3930 |
| | E | 17,94977* | 2,75126 | ,000 | 12,2108 | 23,6888 |
| | | KE | 24,65396* | 2,75126 | ,000 | 18,9149 |
| KD | A | -17,95197* | 2,75126 | ,000 | -23,6910 | -12,2130 |
| | KA | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | B | -12,09246* | 2,75126 | ,000 | -17,8315 | -6,3534 |
| | KB | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | C | -43,59568* | 2,75126 | ,000 | -49,3347 | -37,8567 |
| | KC | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| | D | -24,65396* | 2,75126 | ,000 | -30,3930 | -18,9149 |

| | | | | | | |
|----|----|------------|------------|---------|----------|----------|
| | E | -6,70419* | 2,75126 | ,024 | -12,4432 | -,9652 |
| | KE | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| E | A | -11,24778* | 2,75126 | ,001 | -16,9868 | -5,5088 |
| | KA | 6,70419* | 2,75126 | ,024 | ,9652 | 12,4432 |
| | B | -5,38827 | 2,75126 | ,064 | -11,1273 | ,3508 |
| | KB | 6,70419* | 2,75126 | ,024 | ,9652 | 12,4432 |
| | C | -36,89148* | 2,75126 | ,000 | -42,6305 | -31,1525 |
| | KC | 6,70419* | 2,75126 | ,024 | ,9652 | 12,4432 |
| | D | -17,94977* | 2,75126 | ,000 | -23,6888 | -12,2108 |
| | KD | 6,70419* | 2,75126 | ,024 | ,9652 | 12,4432 |
| | KE | 6,70419* | 2,75126 | ,024 | ,9652 | 12,4432 |
| | KE | A | -17,95197* | 2,75126 | ,000 | -23,6910 |
| KA | | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| B | | -12,09246* | 2,75126 | ,000 | -17,8315 | -6,3534 |
| KB | | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| C | | -43,59568* | 2,75126 | ,000 | -49,3347 | -37,8567 |
| KC | | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| D | | -24,65396* | 2,75126 | ,000 | -30,3930 | -18,9149 |
| KD | | ,00000 | 2,75126 | 1,000 | -5,7390 | 5,7390 |
| E | | -6,70419* | 2,75126 | ,024 | -12,4432 | -,9652 |

*. The mean difference is significant at the 0.05 level.

2. Persentase Penurunan Berat Biji

| Multiple Comparisons | | | | | | |
|---|---------------|-----------------------|------------|------|-------------------------|-------------|
| Dependent Variable: Persentase Penurunan Berat Biji | | | | | | |
| LSD | | | | | | |
| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| | | | | | Lower Bound | Upper Bound |
| A | KA | 2,7592* | ,5797 | ,000 | 1,550 | 3,968 |
| | B | ,6865 | ,5797 | ,250 | -,523 | 1,896 |
| | KB | 2,7592* | ,5797 | ,000 | 1,550 | 3,968 |
| | C | -3,7468* | ,5797 | ,000 | -4,956 | -2,538 |
| | KC | 2,7592* | ,5797 | ,000 | 1,550 | 3,968 |
| | D | -,5029 | ,5797 | ,396 | -1,712 | ,706 |
| | KD | 2,7592* | ,5797 | ,000 | 1,550 | 3,968 |
| | E | 1,6660* | ,5797 | ,009 | ,457 | 2,875 |
| KA | A | -2,7592* | ,5797 | ,000 | -3,968 | -1,550 |

| | | | | | | |
|----|----|----------|-------|-------|--------|--------|
| | B | -2,0727* | ,5797 | ,002 | -3,282 | -,863 |
| | KB | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | C | -6,5060* | ,5797 | ,000 | -7,715 | -5,297 |
| | KC | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | D | -3,2621* | ,5797 | ,000 | -4,471 | -2,053 |
| | KD | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | E | -1,0932 | ,5797 | ,074 | -2,302 | ,116 |
| | KE | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| B | A | -,6865 | ,5797 | ,250 | -1,896 | ,523 |
| | KA | 2,0727* | ,5797 | ,002 | ,863 | 3,282 |
| | KB | 2,0727* | ,5797 | ,002 | ,863 | 3,282 |
| | C | -4,4333* | ,5797 | ,000 | -5,642 | -3,224 |
| | KC | 2,0727* | ,5797 | ,002 | ,863 | 3,282 |
| | D | -1,1895 | ,5797 | ,054 | -2,399 | ,020 |
| | KD | 2,0727* | ,5797 | ,002 | ,863 | 3,282 |
| | E | ,9795 | ,5797 | ,107 | -2,230 | 2,189 |
| | KE | 2,0727* | ,5797 | ,002 | ,863 | 3,282 |
| KB | A | -2,7592* | ,5797 | ,000 | -3,968 | -1,550 |
| | KA | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | B | -2,0727* | ,5797 | ,002 | -3,282 | -,863 |
| | C | -6,5060* | ,5797 | ,000 | -7,715 | -5,297 |
| | KC | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | D | -3,2621* | ,5797 | ,000 | -4,471 | -2,053 |
| | KD | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | E | -1,0932 | ,5797 | ,074 | -2,302 | ,116 |
| | KE | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| C | A | 3,7468* | ,5797 | ,000 | 2,538 | 4,956 |
| | KA | 6,5060* | ,5797 | ,000 | 5,297 | 7,715 |
| | B | 4,4333* | ,5797 | ,000 | 3,224 | 5,642 |
| | KB | 6,5060* | ,5797 | ,000 | 5,297 | 7,715 |
| | KC | 6,5060* | ,5797 | ,000 | 5,297 | 7,715 |
| | D | 3,2438* | ,5797 | ,000 | 2,035 | 4,453 |
| | KD | 6,5060* | ,5797 | ,000 | 5,297 | 7,715 |
| | E | 5,4128* | ,5797 | ,000 | 4,204 | 6,622 |
| | KE | 6,5060* | ,5797 | ,000 | 5,297 | 7,715 |
| KC | A | -2,7592* | ,5797 | ,000 | -3,968 | -1,550 |
| | KA | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | B | -2,0727* | ,5797 | ,002 | -3,282 | -,863 |
| | KB | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |

| | | | | | | |
|----|----|----------|-------|-------|--------|--------|
| | C | -6,5060* | ,5797 | ,000 | -7,715 | -5,297 |
| | D | -3,2621* | ,5797 | ,000 | -4,471 | -2,053 |
| | KD | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | E | -1,0932 | ,5797 | ,074 | -2,302 | ,116 |
| | KE | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| D | A | ,5029 | ,5797 | ,396 | -,706 | 1,712 |
| | KA | 3,2621* | ,5797 | ,000 | 2,053 | 4,471 |
| | B | 1,1895 | ,5797 | ,054 | -,020 | 2,399 |
| | KB | 3,2621* | ,5797 | ,000 | 2,053 | 4,471 |
| | C | -3,2438* | ,5797 | ,000 | -4,453 | -2,035 |
| | KC | 3,2621* | ,5797 | ,000 | 2,053 | 4,471 |
| | KD | 3,2621* | ,5797 | ,000 | 2,053 | 4,471 |
| | E | 2,1689* | ,5797 | ,001 | ,960 | 3,378 |
| | KE | 3,2621* | ,5797 | ,000 | 2,053 | 4,471 |
| KD | A | -2,7592* | ,5797 | ,000 | -3,968 | -1,550 |
| | KA | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | B | -2,0727* | ,5797 | ,002 | -3,282 | -,863 |
| | KB | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | C | -6,5060* | ,5797 | ,000 | -7,715 | -5,297 |
| | KC | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | D | -3,2621* | ,5797 | ,000 | -4,471 | -2,053 |
| | E | -1,0932 | ,5797 | ,074 | -2,302 | ,116 |
| | KE | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| E | A | -1,6660* | ,5797 | ,009 | -2,875 | -,457 |
| | KA | 1,0932 | ,5797 | ,074 | -,116 | 2,302 |
| | B | -,9795 | ,5797 | ,107 | -2,189 | ,230 |
| | KB | 1,0932 | ,5797 | ,074 | -,116 | 2,302 |
| | C | -5,4128* | ,5797 | ,000 | -6,622 | -4,204 |
| | KC | 1,0932 | ,5797 | ,074 | -,116 | 2,302 |
| | D | -2,1689* | ,5797 | ,001 | -3,378 | -,960 |
| | KD | 1,0932 | ,5797 | ,074 | -,116 | 2,302 |
| | KE | 1,0932 | ,5797 | ,074 | -,116 | 2,302 |
| KE | A | -2,7592* | ,5797 | ,000 | -3,968 | -1,550 |
| | KA | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | B | -2,0727* | ,5797 | ,002 | -3,282 | -,863 |
| | KB | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | C | -6,5060* | ,5797 | ,000 | -7,715 | -5,297 |
| | KC | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | D | -3,2621* | ,5797 | ,000 | -4,471 | -2,053 |

| | | | | | | |
|--|----|---------|-------|-------|--------|-------|
| | KD | ,0000 | ,5797 | 1,000 | -1,209 | 1,209 |
| | E | -1,0932 | ,5797 | ,074 | -2,302 | ,116 |

*. The mean difference is significant at the 0.05 level.

3. Indeks Kerentanan

| Multiple Comparisons | | | | | | |
|---------------------------------------|---------------|--------------------------|------------|-------|-------------------------|-------------|
| Dependent Variable: Indeks Kerentanan | | | | | | |
| LSD | | | | | | |
| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| | | | | | Lower Bound | Upper Bound |
| A | KA | 11,26716* | ,99610 | ,000 | 9,1893 | 13,3450 |
| | B | -4,73813* | ,99610 | ,000 | -6,8159 | -2,6603 |
| | KB | 11,26716* | ,99610 | ,000 | 9,1893 | 13,3450 |
| | C | ,17761 | ,99610 | ,860 | -1,9002 | 2,2554 |
| | KC | 11,26716* | ,99610 | ,000 | 9,1893 | 13,3450 |
| | D | -1,70245 | ,99610 | ,103 | -3,7803 | ,3754 |
| | KD | 11,26716* | ,99610 | ,000 | 9,1893 | 13,3450 |
| | E | 4,03379* | ,99610 | ,001 | 1,9560 | 6,1116 |
| | KE | 11,26716* | ,99610 | ,000 | 9,1893 | 13,3450 |
| KA | A | -11,26716* | ,99610 | ,000 | -13,3450 | -9,1893 |
| | B | -16,00529* | ,99610 | ,000 | -18,0831 | -13,9275 |
| | KB | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | C | -11,08955* | ,99610 | ,000 | -13,1674 | -9,0117 |
| | KC | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | D | -12,96961* | ,99610 | ,000 | -15,0474 | -10,8918 |
| | KD | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | E | -7,23337* | ,99610 | ,000 | -9,3112 | -5,1556 |
| | KE | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| B | A | 4,73813* | ,99610 | ,000 | 2,6603 | 6,8159 |
| | KA | 16,00529* | ,99610 | ,000 | 13,9275 | 18,0831 |
| | KB | 16,00529* | ,99610 | ,000 | 13,9275 | 18,0831 |
| | C | 4,91574* | ,99610 | ,000 | 2,8379 | 6,9936 |
| | KC | 16,00529* | ,99610 | ,000 | 13,9275 | 18,0831 |
| | D | 3,03568* | ,99610 | ,006 | ,9579 | 5,1135 |
| | KD | 16,00529* | ,99610 | ,000 | 13,9275 | 18,0831 |
| | E | 8,77191* | ,99610 | ,000 | 6,6941 | 10,8497 |
| | KE | 16,00529* | ,99610 | ,000 | 13,9275 | 18,0831 |
| KB | A | -11,26716* | ,99610 | ,000 | -13,3450 | -9,1893 |

| | | | | | | |
|----|----|------------|--------|-------|----------|----------|
| | KA | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | B | -16,00529* | ,99610 | ,000 | -18,0831 | -13,9275 |
| | C | -11,08955* | ,99610 | ,000 | -13,1674 | -9,0117 |
| | KC | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | D | -12,96961* | ,99610 | ,000 | -15,0474 | -10,8918 |
| | KD | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | E | -7,23337* | ,99610 | ,000 | -9,3112 | -5,1556 |
| | KE | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| C | A | -,17761 | ,99610 | ,860 | -2,2554 | 1,9002 |
| | KA | 11,08955* | ,99610 | ,000 | 9,0117 | 13,1674 |
| | B | -4,91574* | ,99610 | ,000 | -6,9936 | -2,8379 |
| | KB | 11,08955* | ,99610 | ,000 | 9,0117 | 13,1674 |
| | KC | 11,08955* | ,99610 | ,000 | 9,0117 | 13,1674 |
| | D | -1,88006 | ,99610 | ,074 | -3,9579 | ,1978 |
| | KD | 11,08955* | ,99610 | ,000 | 9,0117 | 13,1674 |
| | E | 3,85617* | ,99610 | ,001 | 1,7784 | 5,9340 |
| | KE | 11,08955* | ,99610 | ,000 | 9,0117 | 13,1674 |
| KC | A | -11,26716* | ,99610 | ,000 | -13,3450 | -9,1893 |
| | KA | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | B | -16,00529* | ,99610 | ,000 | -18,0831 | -13,9275 |
| | KB | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | C | -11,08955* | ,99610 | ,000 | -13,1674 | -9,0117 |
| | D | -12,96961* | ,99610 | ,000 | -15,0474 | -10,8918 |
| | KD | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | E | -7,23337* | ,99610 | ,000 | -9,3112 | -5,1556 |
| | KE | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| D | A | 1,70245 | ,99610 | ,103 | -,3754 | 3,7803 |
| | KA | 12,96961* | ,99610 | ,000 | 10,8918 | 15,0474 |
| | B | -3,03568* | ,99610 | ,006 | -5,1135 | -,9579 |
| | KB | 12,96961* | ,99610 | ,000 | 10,8918 | 15,0474 |
| | C | 1,88006 | ,99610 | ,074 | -,1978 | 3,9579 |
| | KC | 12,96961* | ,99610 | ,000 | 10,8918 | 15,0474 |
| | KD | 12,96961* | ,99610 | ,000 | 10,8918 | 15,0474 |
| | E | 5,73623* | ,99610 | ,000 | 3,6584 | 7,8141 |
| | KE | 12,96961* | ,99610 | ,000 | 10,8918 | 15,0474 |
| KD | A | -11,26716* | ,99610 | ,000 | -13,3450 | -9,1893 |
| | KA | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | B | -16,00529* | ,99610 | ,000 | -18,0831 | -13,9275 |
| | KB | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |

| | | | | | | |
|----|----|------------|--------|-------|----------|----------|
| | C | -11,08955* | ,99610 | ,000 | -13,1674 | -9,0117 |
| | KC | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | D | -12,96961* | ,99610 | ,000 | -15,0474 | -10,8918 |
| | E | -7,23337* | ,99610 | ,000 | -9,3112 | -5,1556 |
| | KE | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| E | A | -4,03379* | ,99610 | ,001 | -6,1116 | -1,9560 |
| | KA | 7,23337* | ,99610 | ,000 | 5,1556 | 9,3112 |
| | B | -8,77191* | ,99610 | ,000 | -10,8497 | -6,6941 |
| | KB | 7,23337* | ,99610 | ,000 | 5,1556 | 9,3112 |
| | C | -3,85617* | ,99610 | ,001 | -5,9340 | -1,7784 |
| | KC | 7,23337* | ,99610 | ,000 | 5,1556 | 9,3112 |
| | D | -5,73623* | ,99610 | ,000 | -7,8141 | -3,6584 |
| | KD | 7,23337* | ,99610 | ,000 | 5,1556 | 9,3112 |
| | KE | 7,23337* | ,99610 | ,000 | 5,1556 | 9,3112 |
| KE | A | -11,26716* | ,99610 | ,000 | -13,3450 | -9,1893 |
| | KA | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | B | -16,00529* | ,99610 | ,000 | -18,0831 | -13,9275 |
| | KB | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | C | -11,08955* | ,99610 | ,000 | -13,1674 | -9,0117 |
| | KC | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | D | -12,96961* | ,99610 | ,000 | -15,0474 | -10,8918 |
| | KD | ,00000 | ,99610 | 1,000 | -2,0778 | 2,0778 |
| | E | -7,23337* | ,99610 | ,000 | -9,3112 | -5,1556 |

*. The mean difference is significant at the 0.05 level.

4. Berat Basah Tanaman Kacang yang Ditumbuhkan

| Multiple Comparisons | | | | | | |
|---------------------------------|---------------|--------------------------|------------|------|-------------------------|-------------|
| Dependent Variable: Berat Basah | | | | | | |
| LSD | | | | | | |
| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
| | | | | | Lower Bound | Upper Bound |
| A | KA | -,90311* | ,14313 | ,000 | -1,2017 | -,6045 |
| | B | ,47867* | ,14313 | ,003 | ,1801 | ,7772 |
| | KB | -,23867 | ,14313 | ,111 | -,5372 | ,0599 |
| | C | ,17778 | ,14313 | ,229 | -,1208 | ,4763 |
| | KC | -,70534* | ,14313 | ,000 | -1,0039 | -,4068 |
| | D | ,09822 | ,14313 | ,500 | -,2003 | ,3968 |
| | KD | ,33533* | ,14313 | ,030 | ,0368 | ,6339 |

| | | | | | | |
|----|----|-----------|----------|--------|---------|---------|
| | E | ,45200* | ,14313 | ,005 | ,1534 | ,7506 |
| | KE | -,04667 | ,14313 | ,748 | -,3452 | ,2519 |
| KA | A | ,90311* | ,14313 | ,000 | ,6045 | 1,2017 |
| | B | 1,38178* | ,14313 | ,000 | 1,0832 | 1,6803 |
| | KB | ,66444* | ,14313 | ,000 | ,3659 | ,9630 |
| | C | 1,08089* | ,14313 | ,000 | ,7823 | 1,3795 |
| | KC | ,19777 | ,14313 | ,182 | -,1008 | ,4963 |
| | D | 1,00133* | ,14313 | ,000 | ,7028 | 1,2999 |
| | KD | 1,23844* | ,14313 | ,000 | ,9399 | 1,5370 |
| | E | 1,35511* | ,14313 | ,000 | 1,0565 | 1,6537 |
| | KE | ,85644* | ,14313 | ,000 | ,5579 | 1,1550 |
| | B | A | -,47867* | ,14313 | ,003 | -,7772 |
| KA | | -1,38178* | ,14313 | ,000 | -1,6803 | -1,0832 |
| KB | | -,71733* | ,14313 | ,000 | -1,0159 | -,4188 |
| C | | -,30089* | ,14313 | ,048 | -,5995 | -,0023 |
| KC | | -1,18400* | ,14313 | ,000 | -1,4826 | -,8854 |
| D | | -,38044* | ,14313 | ,015 | -,6790 | -,0819 |
| KD | | -,14333 | ,14313 | ,329 | -,4419 | ,1552 |
| E | | -,02667 | ,14313 | ,854 | -,3252 | ,2719 |
| KE | | -,52533* | ,14313 | ,002 | -,8239 | -,2268 |
| KB | | A | ,23867 | ,14313 | ,111 | -,0599 |
| | KA | -,66444* | ,14313 | ,000 | -,9630 | -,3659 |
| | B | ,71733* | ,14313 | ,000 | ,4188 | 1,0159 |
| | C | ,41645* | ,14313 | ,009 | ,1179 | ,7150 |
| | KC | -,46667* | ,14313 | ,004 | -,7652 | -,1681 |
| | D | ,33689* | ,14313 | ,029 | ,0383 | ,6355 |
| | KD | ,57400* | ,14313 | ,001 | ,2754 | ,8726 |
| | E | ,69066* | ,14313 | ,000 | ,3921 | ,9892 |
| | KE | ,19200 | ,14313 | ,195 | -,1066 | ,4906 |
| | C | A | -,17778 | ,14313 | ,229 | -,4763 |
| KA | | -1,08089* | ,14313 | ,000 | -1,3795 | -,7823 |
| B | | ,30089* | ,14313 | ,048 | ,0023 | ,5995 |
| KB | | -,41645* | ,14313 | ,009 | -,7150 | -,1179 |
| KC | | -,88312* | ,14313 | ,000 | -1,1817 | -,5845 |
| D | | -,07956 | ,14313 | ,584 | -,3781 | ,2190 |
| KD | | ,15755 | ,14313 | ,284 | -,1410 | ,4561 |
| E | | ,27422 | ,14313 | ,070 | -,0244 | ,5728 |
| KE | | -,22445 | ,14313 | ,133 | -,5230 | ,0741 |
| KC | | A | ,70534* | ,14313 | ,000 | ,4068 |

| | | | | | | |
|----|----|-----------|--------|------|---------|---------|
| | KA | -,19777 | ,14313 | ,182 | -,4963 | ,1008 |
| | B | 1,18400* | ,14313 | ,000 | ,8854 | 1,4826 |
| | KB | ,46667* | ,14313 | ,004 | ,1681 | ,7652 |
| | C | ,88312* | ,14313 | ,000 | ,5845 | 1,1817 |
| | D | ,80356* | ,14313 | ,000 | ,5050 | 1,1021 |
| | KD | 1,04067* | ,14313 | ,000 | ,7421 | 1,3392 |
| | E | 1,15733* | ,14313 | ,000 | ,8588 | 1,4559 |
| | KE | ,65867* | ,14313 | ,000 | ,3601 | ,9572 |
| D | A | -,09822 | ,14313 | ,500 | -,3968 | ,2003 |
| | KA | -1,00133* | ,14313 | ,000 | -1,2999 | -,7028 |
| | B | ,38044* | ,14313 | ,015 | ,0819 | ,6790 |
| | KB | -,33689* | ,14313 | ,029 | -,6355 | -,0383 |
| | C | ,07956 | ,14313 | ,584 | -,2190 | ,3781 |
| | KC | -,80356* | ,14313 | ,000 | -1,1021 | -,5050 |
| | KD | ,23711 | ,14313 | ,113 | -,0615 | ,5357 |
| | E | ,35377* | ,14313 | ,023 | ,0552 | ,6523 |
| | KE | -,14489 | ,14313 | ,323 | -,4435 | ,1537 |
| KD | A | -,33533* | ,14313 | ,030 | -,6339 | -,0368 |
| | KA | -1,23844* | ,14313 | ,000 | -1,5370 | -,9399 |
| | B | ,14333 | ,14313 | ,329 | -,1552 | ,4419 |
| | KB | -,57400* | ,14313 | ,001 | -,8726 | -,2754 |
| | C | -,15755 | ,14313 | ,284 | -,4561 | ,1410 |
| | KC | -1,04067* | ,14313 | ,000 | -1,3392 | -,7421 |
| | D | -,23711 | ,14313 | ,113 | -,5357 | ,0615 |
| | E | ,11666 | ,14313 | ,425 | -,1819 | ,4152 |
| | KE | -,38200* | ,14313 | ,015 | -,6806 | -,0834 |
| E | A | -,45200* | ,14313 | ,005 | -,7506 | -,1534 |
| | KA | -1,35511* | ,14313 | ,000 | -1,6537 | -1,0565 |
| | B | ,02667 | ,14313 | ,854 | -,2719 | ,3252 |
| | KB | -,69066* | ,14313 | ,000 | -,9892 | -,3921 |
| | C | -,27422 | ,14313 | ,070 | -,5728 | ,0244 |
| | KC | -1,15733* | ,14313 | ,000 | -1,4559 | -,8588 |
| | D | -,35377* | ,14313 | ,023 | -,6523 | -,0552 |
| | KD | -,11666 | ,14313 | ,425 | -,4152 | ,1819 |
| | KE | -,49866* | ,14313 | ,002 | -,7972 | -,2001 |
| KE | A | ,04667 | ,14313 | ,748 | -,2519 | ,3452 |
| | KA | -,85644* | ,14313 | ,000 | -1,1550 | -,5579 |
| | B | ,52533* | ,14313 | ,002 | ,2268 | ,8239 |
| | KB | -,19200 | ,14313 | ,195 | -,4906 | ,1066 |

| | | | | | | |
|--|----|----------|--------|------|--------|--------|
| | C | ,22445 | ,14313 | ,133 | -,0741 | ,5230 |
| | KC | -,65867* | ,14313 | ,000 | -,9572 | -,3601 |
| | D | ,14489 | ,14313 | ,323 | -,1537 | ,4435 |
| | KD | ,38200* | ,14313 | ,015 | ,0834 | ,6806 |
| | E | ,49866* | ,14313 | ,002 | ,2001 | ,7972 |

*. The mean difference is significant at the 0.05 level.

Lampiran 13. Dokumentasi Penelitian



Serangga hama yang dikoleksi di Lab. Entomologi, SEAMEO BIOTROP



Melakukan Rearing Kumbang *Callosobruchus maculatus* F.



Pengamatan Jumlah Serangga yang Muncul



Pendataan Jumlah Serangga yang Muncul Setiap Harinya



Pendataan Parameter Lingkungan



Penimbangan Berat Biji pada Masing-Masing Jenis Kacang



Penutupan Kerangka Paralon dengan *Insect net*



Pembuatan Sungkup berbahan paralon



Pengamatan Pertumbuhan Tanaman Kacang yang Ditumbuhkan



Pengamatan Pertumbuhan hari ke-10



Pembersihan semua bagian tanaman

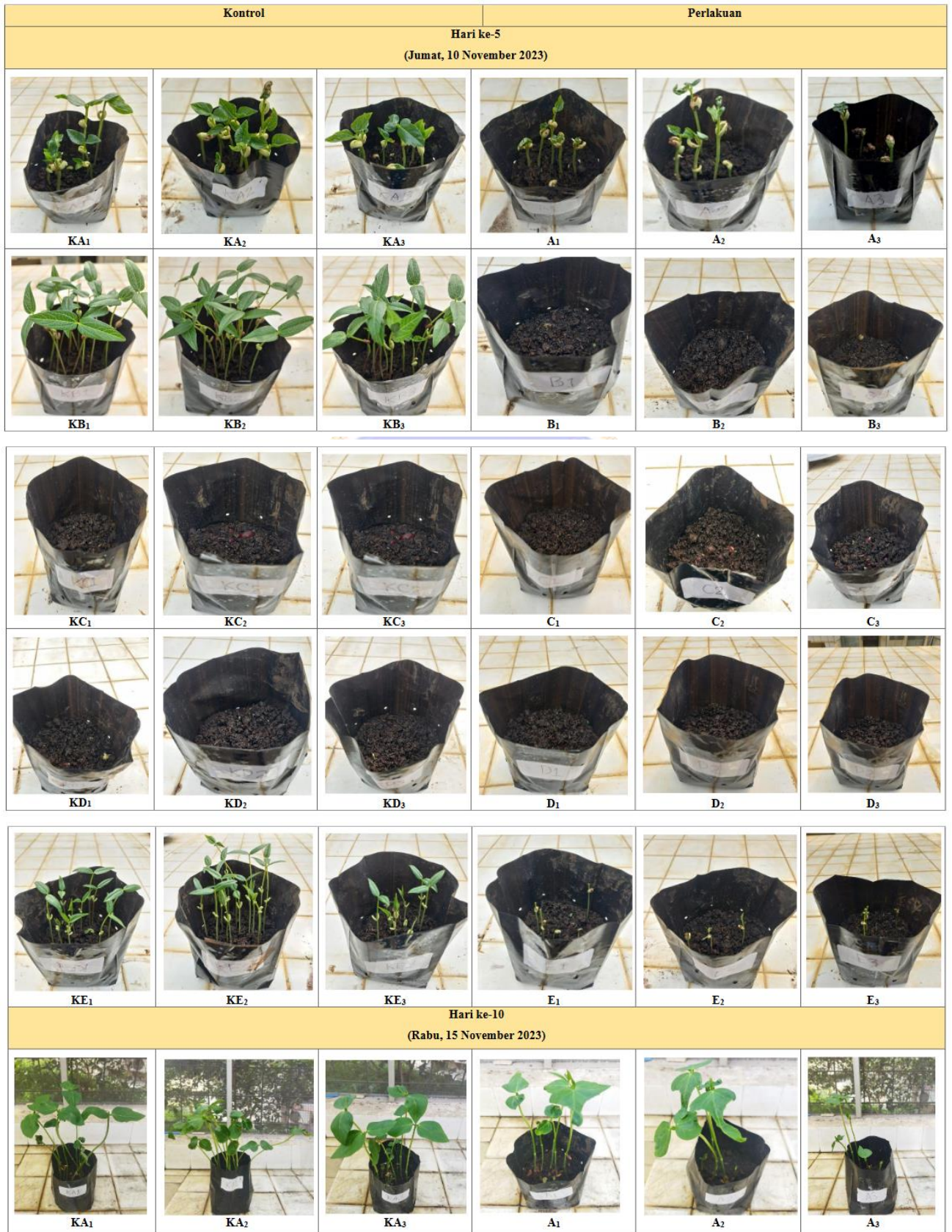


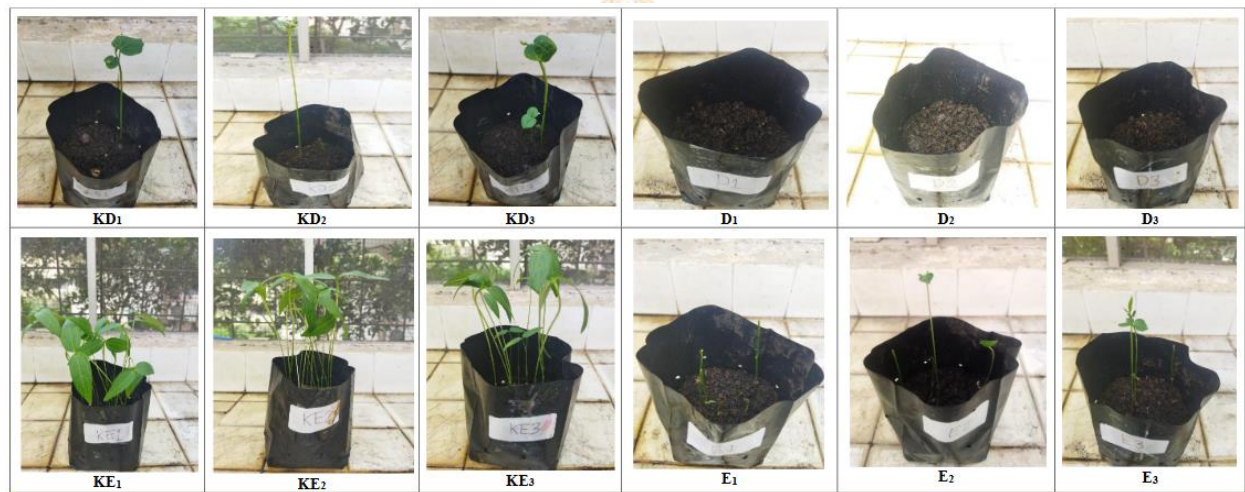
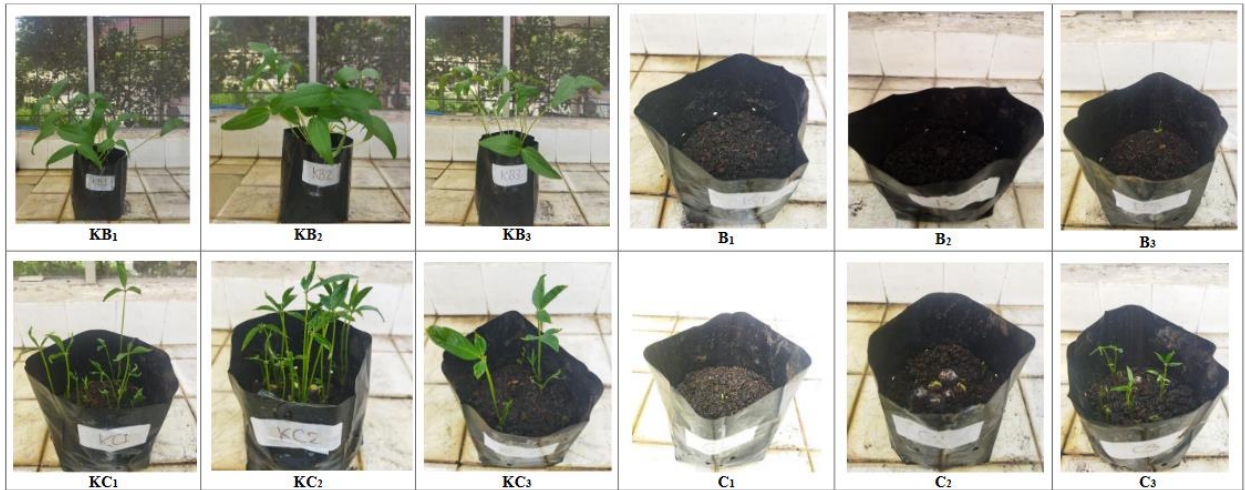
Proses Penimbangan Berat Basah Seluruh Bagian Tanaman Kacang



Kegiatan Terakhir Penelitian







Hari ke 15
(Senin, 20 November 2023)





Lampiran 14. Jadwal Penelitian

| No. | Kegiatan | Bulan | | | | | | | | | | | |
|-----|--|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Feb | Mar | Apr | Mei | Jun | Jul | Ags | Sep | Okt | Nov | Des | Jan |
| 1. | Pembuatan Proposal (Sept – 28 Feb 2023) | | | | | | | | | | | | |
| 2. | Bimbingan dan Revisi Proposal (28 Feb – 26 Mei 2023) | | | | | | | | | | | | |
| 3. | Ujian Proposal (07 Juni 2023) | | | | | | | | | | | | |
| 4. | Revisi Pasca Ujian Proposal (08 Juni – 09 Ags 2023) | | | | | | | | | | | | |
| 4. | Tahap Pelaksanaan (07 Sep – 20 Nov 2023) | | | | | | | | | | | | |
| 5. | Tabulasi dan Analisis Data (20 Nov – 27 Nov 2023) | | | | | | | | | | | | |
| 6. | Pembuatan Skripsi (09 Ags – 10 Des 2023) | | | | | | | | | | | | |
| 7. | Bimbingan dan Revisi Skripsi (10 Des 23 – 16 Jan 2024) | | | | | | | | | | | | |
| 8. | Ujian Skripsi (24 Jan 2024) | | | | | | | | | | | | |

