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# LAMPIRAN

Lampiran 1. Hasil Uji Independent t Test Produksi pada Lahan Mineral dan Lahan Gambut 2017-2019

**Group Statistics**

| Perlakuan     |               | N | Mean    | Std. Deviation | Std. Error Mean |
|---------------|---------------|---|---------|----------------|-----------------|
| produksi_2017 | lahan mineral | 3 | 22.7600 | 3.37756        | 1.95003         |
|               | lahan gambut  | 3 | 21.9367 | .91719         | .52954          |
| produksi_2018 | lahan mineral | 3 | 22.7733 | 4.87159        | 2.81262         |
|               | lahan gambut  | 3 | 21.2767 | .73514         | .42443          |
| produksi_2019 | lahan mineral | 3 | 21.5200 | 1.31685        | .76029          |
|               | lahan gambut  | 3 | 22.0000 | 1.98283        | 1.14479         |

**Independent Samples Test**

|               |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|---------------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|               |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| produksi_2017 | Equal variances assumed     | 4.839                                   | .093 | .407                         | 4     | .705            |
|               | Equal variances not assumed |                                         |      | .407                         | 2.293 | .719            |
| produksi_2018 | Equal variances assumed     | 6.059                                   | .070 | .526                         | 4     | .627            |
|               | Equal variances not assumed |                                         |      | .526                         | 2.091 | .649            |
| produksi_2019 | Equal variances assumed     | .385                                    | .569 | -.349                        | 4     | .744            |
|               | Equal variances not assumed |                                         |      | -.349                        | 3.477 | .747            |

Lampiran 2. Hasil Uji Independent t Test Produksi pada Lahan Mineral dan Lahan Gambut 2020-2021

**Group Statistics**

| perlakuan     |               | N | Mean    | Std. Deviation | Std. Error Mean |
|---------------|---------------|---|---------|----------------|-----------------|
| produksi_2020 | lahan mineral | 3 | 23.8633 | 2.20953        | 1.27567         |
|               | lahan gambut  | 3 | 22.4333 | .32036         | .18496          |
| produksi_2021 | lahan mineral | 3 | 23.7133 | 3.65460        | 2.10999         |
|               | lahan gambut  | 3 | 23.2100 | 2.37622        | 1.37191         |

**Independent Samples Test**

|               |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|---------------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|               |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| produksi_2020 | Equal variances assumed     | 3.512                                   | .134 | 1.109                        | 4     | .329            |
|               | Equal variances not assumed |                                         |      | 1.109                        | 2.084 | .379            |
| produksi_2021 | Equal variances assumed     | 1.276                                   | .322 | .200                         | 4     | .851            |
|               | Equal variances not assumed |                                         |      | .200                         | 3.435 | .853            |

Lampiran 3. Hasil Uji Independent t Test BJR Pada Lahan Mineral dan Lahan Gambut 2017-2019

**Group Statistics**

| perlakuan |               | N | Mean    | Std. Deviation | Std. Error Mean |
|-----------|---------------|---|---------|----------------|-----------------|
| BJR_2017  | lahan mineral | 3 | 12.1700 | 1.25168        | .72266          |
|           | lahan gambut  | 3 | 11.8200 | .24637         | .14224          |
| BJR_2018  | lahan mineral | 3 | 13.2500 | .70505         | .40706          |
|           | lahan gambut  | 3 | 12.5933 | .28148         | .16251          |
| BJR_2019  | lahan mineral | 3 | 14.0767 | .71009         | .40997          |
|           | lahan gambut  | 3 | 13.9067 | .23116         | .13346          |

**Independent Samples Test**

|          |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|----------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|          |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| BJR_2017 | Equal variances assumed     | 6.863                                   | .059 | .475                         | 4     | .659            |
|          | Equal variances not assumed |                                         |      | .475                         | 2.155 | .678            |
| BJR_2018 | Equal variances assumed     | 1.254                                   | .325 | 1.498                        | 4     | .208            |
|          | Equal variances not assumed |                                         |      | 1.498                        | 2.622 | .244            |
| BJR_2019 | Equal variances assumed     | 5.612                                   | .077 | .394                         | 4     | .713            |
|          | Equal variances not assumed |                                         |      | .394                         | 2.419 | .725            |

Lampiran 4. Hasil Uji Independent t Test BJR Pada Lahan Mineral dan Lahan Gambut 2020-2021

**Group Statistics**

| perlakuan |               | N | Mean    | Std. Deviation | Std. Error Mean |
|-----------|---------------|---|---------|----------------|-----------------|
| BJR_2020  | lahan mineral | 3 | 15.7500 | .66000         | .38105          |
|           | lahan gambut  | 3 | 14.7167 | .60119         | .34710          |
| BJR_2021  | lahan mineral | 3 | 16.8867 | .74889         | .43237          |
|           | lahan gambut  | 3 | 16.3400 | .92455         | .53379          |

**Independent Samples Test**

|          |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|----------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|          |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| BJR_2020 | Equal variances assumed     | .008                                    | .933 | 2.005                        | 4     | .115            |
|          | Equal variances not assumed |                                         |      | 2.005                        | 3.966 | .116            |
| BJR_2021 | Equal variances assumed     | .336                                    | .593 | .796                         | 4     | .471            |
|          | Equal variances not assumed |                                         |      | .796                         | 3.835 | .472            |

Lampiran 5. Hasil Uji Independent t Test Jumlah Janjang Pada Lahan Mineral dan Lahan Gambut 2017-2019

**Group Statistics**

| perlakuan           |               | N | Mean    | Std. Deviation | Std. Error Mean |
|---------------------|---------------|---|---------|----------------|-----------------|
| jumlah_janjang_2017 | lahan mineral | 3 | 1883.00 | 339.616        | 196.077         |
|                     | lahan gambut  | 3 | 1857.00 | 107.140        | 61.857          |
| jumlah_janjang_2018 | lahan mineral | 3 | 1717.67 | 353.951        | 204.354         |
|                     | lahan gambut  | 3 | 1689.67 | 55.582         | 32.090          |
| jumlah_janjang_2019 | lahan mineral | 3 | 1530.00 | 86.810         | 50.120          |
|                     | lahan gambut  | 3 | 1581.67 | 125.620        | 72.527          |

**Independent Samples Test**

|                     |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|---------------------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|                     |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| jumlah_janjang_2017 | Equal variances assumed     | 3.914                                   | .119 | .126                         | 4     | .905            |
|                     | Equal variances not assumed |                                         |      | .126                         | 2.394 | .909            |
| jumlah_janjang_2018 | Equal variances assumed     | 10.461                                  | .032 | .135                         | 4     | .899            |
|                     | Equal variances not assumed |                                         |      | .135                         | 2.099 | .904            |
| jumlah_janjang_2019 | Equal variances assumed     | .195                                    | .681 | -.586                        | 4     | .589            |
|                     | Equal variances not assumed |                                         |      | -.586                        | 3.555 | .593            |

Lampiran 6. Hasil Uji Independent t Test Jumlah Janjang Pada Lahan Mineral dan Lahan Gambut 2020-2021

### Group Statistics

| perlakuan           |               | N | Mean    | Std. Deviation | Std. Error Mean |
|---------------------|---------------|---|---------|----------------|-----------------|
| jumlah_janjang_2020 | lahan mineral | 3 | 1549.00 | 109.531        | 63.238          |
|                     | lahan gambut  | 3 | 1657.00 | 247.788        | 143.061         |
| jumlah_janjang_2021 | lahan mineral | 3 | 1400.33 | 152.139        | 87.838          |
|                     | lahan gambut  | 3 | 1419.00 | 86.377         | 49.870          |

### Independent Samples Test

|                     |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|---------------------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|                     |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| jumlah_janjang_2020 | Equal variances assumed     | 3.346                                   | .141 | -.690                        | 4     | .528            |
|                     | Equal variances not assumed |                                         |      | -.690                        | 2.753 | .544            |
| jumlah_janjang_2021 | Equal variances assumed     | 2.239                                   | .209 | -.185                        | 4     | .862            |
|                     | Equal variances not assumed |                                         |      | -.185                        | 3.168 | .865            |

Lampiran 7. Hasil Uji Independent t Test Berat Berondolan Pada Lahan Mineral dan Lahan Gambut 2017-2019

**Group Statistics**

| perlakuan             |               | N | Mean   | Std. Deviation | Std. Error Mean |
|-----------------------|---------------|---|--------|----------------|-----------------|
| berat_berondolan_2017 | lahan mineral | 3 | 2.9133 | .20984         | .12115          |
|                       | lahan gambut  | 3 | 2.8700 | .07000         | .04041          |
| berat_berondolan_2018 | lahan mineral | 3 | 3.0133 | .14012         | .08090          |
|                       | lahan gambut  | 3 | 2.8400 | .06083         | .03512          |
| berat_berondolan_2019 | lahan mineral | 3 | 2.7567 | .22234         | .12837          |
|                       | lahan gambut  | 3 | 2.8533 | .16563         | .09563          |

**Independent Samples Test**

|                       |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|-----------------------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|                       |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| berat_berondolan_2017 | Equal variances assumed     | 4.467                                   | .102 | .339                         | 4     | .751            |
|                       | Equal variances not assumed |                                         |      | .339                         | 2.440 | .761            |
| berat_berondolan_2018 | Equal variances assumed     | 1.126                                   | .349 | 1.965                        | 4     | .121            |
|                       | Equal variances not assumed |                                         |      | 1.965                        | 2.728 | .153            |
| berat_berondolan_2019 | Equal variances assumed     | .717                                    | .445 | -.604                        | 4     | .578            |
|                       | Equal variances not assumed |                                         |      | -.604                        | 3.697 | .581            |

Lampiran 8. Hasil Uji Independent t Test Berat Berondolan Pada Lahan Mineral dan Lahan Gambut 2020-2021

**Group Statistics**

| perlakuan             |               | N | Mean   | Std. Deviation | Std. Error Mean |
|-----------------------|---------------|---|--------|----------------|-----------------|
| berat_berondolan_2020 | lahan mineral | 3 | 2.9767 | .21548         | .12441          |
|                       | lahan gambut  | 3 | 2.9833 | .17214         | .09939          |
| berat_berondolan_2021 | lahan mineral | 3 | 2.7933 | .25541         | .14746          |
|                       | lahan gambut  | 3 | 2.7467 | .19858         | .11465          |

**Independent Samples Test**

|                       |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |       |                 |
|-----------------------|-----------------------------|-----------------------------------------|------|------------------------------|-------|-----------------|
|                       |                             | F                                       | Sig. | t                            | df    | Sig. (2-tailed) |
| berat_berondolan_2020 | Equal variances assumed     | .286                                    | .621 | -.042                        | 4     | .969            |
|                       | Equal variances not assumed |                                         |      | -.042                        | 3.814 | .969            |
| berat_berondolan_2021 | Equal variances assumed     | .074                                    | .799 | .250                         | 4     | .815            |
|                       | Equal variances not assumed |                                         |      | .250                         | 3.771 | .816            |

Lampiran 9. Hasil Uji Independent t Test Karakter Agronomi Tinggi Tanaman, Diameter Batang, dan Jumlah Tandan Kelapa Sawit pada Lahan Mineral dan Lahan Gambut

### Group Statistics

| perlakuan       |               | N  | Mean    | Std. Deviation | Std. Error Mean |
|-----------------|---------------|----|---------|----------------|-----------------|
| tinggi_pokok    | lahan mineral | 75 | 6.8347  | .46571         | .05378          |
|                 | lahan gambut  | 75 | 5.0840  | .94826         | .10950          |
| diameter_batang | lahan mineral | 75 | 80.6789 | 4.57353        | .52811          |
|                 | lahan gambut  | 75 | 64.4967 | 4.52915        | .52298          |
| tandan_pokok    | lahan mineral | 75 | 5.27    | 1.398          | .161            |
|                 | lahan gambut  | 75 | 5.36    | 1.332          | .154            |

### Independent Samples Test

|                 |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |         |                 |
|-----------------|-----------------------------|-----------------------------------------|------|------------------------------|---------|-----------------|
|                 |                             | F                                       | Sig. | t                            | df      | Sig. (2-tailed) |
| tinggi_pokok    | Equal variances assumed     | 24.201                                  | .000 | 14.351                       | 148     | .000            |
|                 | Equal variances not assumed |                                         |      | 14.351                       | 107.735 | .000            |
| diameter_batang | Equal variances assumed     | 6.948                                   | .009 | 21.773                       | 148     | .000            |
|                 | Equal variances not assumed |                                         |      | 21.773                       | 147.986 | .000            |
| tandan_pokok    | Equal variances assumed     | .008                                    | .927 | -.419                        | 148     | .676            |
|                 | Equal variances not assumed |                                         |      | -.419                        | 147.653 | .676            |

Lampiran 10. Hasil Uji Independent t Test Karakter Agronomi Berat Tandan dan Jumlah Pelepah Kelapa Sawit pada Lahan Mineral dan Lahan Gambut

**Group Statistics**

| perlakuan      |               | N  | Mean    | Std. Deviation | Std. Error Mean |
|----------------|---------------|----|---------|----------------|-----------------|
| berat_tandan   | lahan mineral | 75 | 16.5747 | 2.54628        | .29402          |
|                | lahan gambut  | 75 | 15.8200 | 1.73057        | .19983          |
| jumlah_pelepah | lahan mineral | 75 | 43.88   | 3.620          | .418            |
|                | lahan gambut  | 75 | 41.12   | 3.158          | .365            |

**Independent Samples Test**

|                |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |         |                 |
|----------------|-----------------------------|-----------------------------------------|------|------------------------------|---------|-----------------|
|                |                             | F                                       | Sig. | t                            | df      | Sig. (2-tailed) |
| berat_tandan   | Equal variances assumed     | 9.721                                   | .002 | 2.123                        | 148     | .035            |
|                | Equal variances not assumed |                                         |      | 2.123                        | 130.342 | .036            |
| jumlah_pelepah | Equal variances assumed     | 3.524                                   | .062 | 4.975                        | 148     | .000            |
|                | Equal variances not assumed |                                         |      | 4.975                        | 145.318 | .000            |

## Lampiran 11. Potensi Produksi Benih Damimas

**Potensi benih DamiMas berdasarkan MCAR SinarMas**

| Umur<br>(Thn) | Kategory<br>Tanaman | BJR<br>(Kg) | Damimas              |                   |                    |                      |                   |                    |
|---------------|---------------------|-------------|----------------------|-------------------|--------------------|----------------------|-------------------|--------------------|
|               |                     |             | S2                   |                   |                    | N1                   |                   |                    |
|               |                     |             | Yph<br>(Pot<br>MCAR) | Total<br>(JJG/Ha) | JJG/Pkk<br>Setahun | Yph<br>(Pot<br>MCAR) | Total<br>(JJG/Ha) | JJG/Pkk<br>Setahun |
| 1             | TBM                 |             |                      |                   |                    |                      |                   |                    |
| 2             | TBM                 |             |                      |                   |                    |                      |                   |                    |
| 3             | Young               | 4           | 14.00                | 3,500             | 26                 | 12.00                | 3,000             | 22                 |
| 4             | Young               | 5           | 16.00                | 3,200             | 24                 | 14.00                | 2,800             | 21                 |
| 5             | Young               | 7           | 20.00                | 2,857             | 21                 | 18.00                | 2,571             | 19                 |
| 6             | Young               | 8           | 25.00                | 3,125             | 23                 | 23.00                | 2,875             | 21                 |
| 7             | Prime 1             | 11          | 27.00                | 2,455             | 18                 | 25.00                | 2,273             | 17                 |
| 8             | Prime 1             | 13          | 28.00                | 2,154             | 16                 | 26.00                | 2,000             | 15                 |
| 9             | Prime 1             | 15          | 29.00                | 1,933             | 14                 | 26.00                | 1,733             | 13                 |
| 10            | Prime 1             | 16          | 30.00                | 1,875             | 14                 | 26.00                | 1,625             | 12                 |
| 11            | Prime 1             | 17          | 30.00                | 1,765             | 13                 | 26.00                | 1,529             | 11                 |
| 12            | Prime 1             | 18          | 30.00                | 1,667             | 12                 | 26.00                | 1,444             | 11                 |
| 13            | Prime 2             | 20          | 30.00                | 1,500             | 11                 | 26.00                | 1,300             | 10                 |
| 14            | Prime 2             | 20          | 30.00                | 1,500             | 11                 | 26.00                | 1,300             | 10                 |
| 15            | Prime 2             | 21          | 30.00                | 1,429             | 11                 | 26.00                | 1,238             | 9                  |
| 16            | Prime 2             | 22          | 29.00                | 1,318             | 10                 | 26.00                | 1,182             | 9                  |
| 17            | Prime 2             | 23          | 29.00                | 1,261             | 9                  | 26.00                | 1,130             | 8                  |
| 18            | Prime 2             | 24          | 28.00                | 1,167             | 9                  | 25.00                | 1,042             | 8                  |
| 19            | Prime 3             | 25          | 28.00                | 1,120             | 8                  | 25.00                | 1,000             | 7                  |
| 20            | Prime 3             | 27          | 26.00                | 963               | 7                  | 25.00                | 926               | 7                  |
| 21            | Prime 3             | 28          | 26.00                | 929               | 7                  | 24.00                | 857               | 6                  |
| 22            | Prime 3             | 28          | 26.00                | 929               | 7                  | 24.00                | 857               | 6                  |
| 23            | Prime 3             | 28          | 25.00                | 893               | 7                  | 22.00                | 786               | 6                  |
| 24            | Prime 3             | 28          | 25.00                | 893               | 7                  | 22.00                | 786               | 6                  |
| 25            | OLD                 | 25          | 23.00                | 920               | 7                  | 21.00                | 840               | 6                  |

Lampiran 12. Kegiatan Pengambilan Data Karakter Agronomi Kelapa Sawit

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    |    |
| <p>Pengukuran Berat Tandan</p>                                                      | <p>Pengukuran Tinggi Tanaman</p>                                                     |
|  |  |
| <p>Pengukuran Diameter Batang</p>                                                   | <p>Penghitungan jumlah pelepah dan jumlah tandan</p>                                 |