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# LAMPIRAN

Lampiran 1. Sidik ragam tinggi bibit kelapa sawit di *pre nursery*

| Source          | Type III Sum of Squares | df | Mean Square | F        | Sig.                |
|-----------------|-------------------------|----|-------------|----------|---------------------|
| Corrected Model | 75.746 <sup>a</sup>     | 11 | 6.886       | 1.863    | 0.069               |
| Intercept       | 17812.374               | 1  | 17812.374   | 4820.126 | 0.000               |
| Biochar         | 2.707                   | 3  | 0.902       | 0.244    | 0.865 <sup>ns</sup> |
| Pupuk_nitrogen  | 3.097                   | 2  | 1.548       | 0.419    | 0.660 <sup>ns</sup> |
| Biochar *       | 69.942                  | 6  | 11.657      | 3.154    | 0.011 <sup>ns</sup> |
| Pupuk_nitrogen  |                         |    |             |          |                     |
| Error           | 177.380                 | 48 | 3.695       |          |                     |
| Total           | 18065.500               | 60 |             |          |                     |
| Corrected Total | 253.126                 | 59 |             |          |                     |

Lampiran 2. Sidik ragam jumlah daun bibit kelapa sawit di *pre nursery*

| Source          | Type III Sum of Squares | df | Mean Square | F        | Sig.                |
|-----------------|-------------------------|----|-------------|----------|---------------------|
| Corrected Model | 1.650 <sup>a</sup>      | 11 | 0.150       | 0.474    | 0.910               |
| Intercept       | 714.150                 | 1  | 714.150     | 2255.211 | 0.000               |
| Biochar         | 0.317                   | 3  | 0.106       | 0.333    | 0.801 <sup>ns</sup> |
| Pupuk_nitrogen  | 0.100                   | 2  | 0.050       | 0.158    | 0.854 <sup>ns</sup> |
| Biochar *       | 1.233                   | 6  | 0.206       | 0.649    | 0.691 <sup>ns</sup> |
| Pupuk_nitrogen  |                         |    |             |          |                     |
| Error           | 15.200                  | 48 | 0.317       |          |                     |
| Total           | 731.000                 | 60 |             |          |                     |
| Corrected Total | 16.850                  | 59 |             |          |                     |

Lampiran 3. Sidik ragam luas daun bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F        | Sig.                |
|-----------------|-------------------------------|----|----------------|----------|---------------------|
| Corrected Model | 11268.360 <sup>a</sup>        | 11 | 1024.396       | 2.884    | 0.005               |
| Intercept       | 549823.341                    | 1  | 549823.341     | 1547.725 | 0.000               |
| Biochar         | 401.768                       | 3  | 133.923        | 0.377    | 0.770 <sup>ns</sup> |
| Pupuk_nitrogen  | 858.680                       | 2  | 429.340        | 1.209    | 0.308 <sup>ns</sup> |
| Biochar *       | 10007.911                     | 6  | 1667.985       | 4.695    | 0.001 <sup>s</sup>  |
| Pupuk_nitrogen  |                               |    |                |          |                     |
| Error           | 17051.817                     | 48 | 355.246        |          |                     |
| Total           | 578143.518                    | 60 |                |          |                     |
| Corrected Total | 28320.177                     | 59 |                |          |                     |

Lampiran 4. Sidik ragam berat segar tajuk bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | Df | Mean<br>Square | F       | Sig.                |
|-----------------|-------------------------------|----|----------------|---------|---------------------|
| Corrected Model | 8.839 <sup>a</sup>            | 11 | 0.804          | 2.621   | 0.011               |
| Intercept       | 230.770                       | 1  | 230.770        | 752.578 | 0.000               |
| Biochar         | 0.387                         | 3  | 0.129          | 0.420   | 0.739 <sup>ns</sup> |
| Pupuk_nitrogen  | 0.613                         | 2  | 0.307          | 1.000   | 0.375 <sup>ns</sup> |
| Biochar *       | 7.839                         | 6  | 1.307          | 4.261   | 0.002 <sup>s</sup>  |
| Pupuk_nitrogen  |                               |    |                |         |                     |
| Error           | 14.719                        | 48 | 0.307          |         |                     |
| Total           | 254.329                       | 60 |                |         |                     |
| Corrected Total | 23.558                        | 59 |                |         |                     |

Lampiran 5. Sidik ragam berat kering tajuk bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F       | Sig.                |
|-----------------|-------------------------------|----|----------------|---------|---------------------|
| Corrected Model | .432 <sup>a</sup>             | 11 | 0.039          | 2.379   | 0.019               |
| Intercept       | 12.881                        | 1  | 12.881         | 780.134 | 0.000               |
| Biochar         | 0.027                         | 3  | 0.009          | 0.545   | 0.654 <sup>ns</sup> |
| Pupuk_nitrogen  | 0.034                         | 2  | 0.017          | 1.040   | 0.361 <sup>ns</sup> |
| Biochar *       | 0.371                         | 6  | 0.062          | 3.742   | 0.004 <sup>s</sup>  |
| Pupuk_nitrogen  |                               |    |                |         |                     |
| Error           | 0.793                         | 48 | 0.017          |         |                     |
| Total           | 14.105                        | 60 |                |         |                     |
| Corrected Total | 1.225                         | 59 |                |         |                     |

Lampiran 6. Sidik ragam berat segar akar bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F       | Sig.                |
|-----------------|-------------------------------|----|----------------|---------|---------------------|
| Corrected Model | 2.506 <sup>a</sup>            | 11 | 0.228          | 3.187   | 0.003               |
| Intercept       | 46.165                        | 1  | 46.165         | 645.834 | 0.000               |
| Biochar         | 0.679                         | 3  | 0.226          | 3.165   | 0.033 <sup>ns</sup> |
| Pupuk_nitrogen  | 0.073                         | 2  | 0.037          | 0.513   | 0.602 <sup>ns</sup> |
| Biochar *       | 1.754                         | 6  | 0.292          | 4.089   | 0.002 <sup>s</sup>  |
| Pupuk_nitrogen  |                               |    |                |         |                     |
| Error           | 3.431                         | 48 | 0.071          |         |                     |
| Total           | 52.102                        | 60 |                |         |                     |
| Corrected Total | 5.937                         | 59 |                |         |                     |

Lampiran 7. Sidik ragam berat kering akar bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F       | Sig.                |
|-----------------|-------------------------------|----|----------------|---------|---------------------|
| Corrected Model | .155 <sup>a</sup>             | 11 | .014           | 2.047   | 0.044               |
| Intercept       | 3.631                         | 1  | 3.631          | 528.524 | 0.000               |
| Biochar         | .046                          | 3  | .015           | 2.222   | 0.098 <sup>ns</sup> |
| Pupuk_nitrogen  | .001                          | 2  | .000           | 0.038   | 0.963 <sup>ns</sup> |
| Biochar *       | .108                          | 6  | .018           | 2.629   | 0.028 <sup>ns</sup> |
| Pupuk_nitrogen  |                               |    |                |         |                     |
| Error           | .330                          | 48 | .007           |         |                     |
| Total           | 4.115                         | 60 |                |         |                     |
| Corrected Total | .484                          | 59 |                |         |                     |

Lampiran 8. Sidik ragam diameter batang bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F        | Sig.                |
|-----------------|-------------------------------|----|----------------|----------|---------------------|
| Corrected Model | 7.002 <sup>a</sup>            | 11 | 0.637          | 1.921    | 0.060               |
| Intercept       | 1927.800                      | 1  | 1927.800       | 5816.847 | 0.000               |
| Biochar         | 3.151                         | 3  | 1.050          | 3.169    | 0.033 <sup>ns</sup> |
| Pupuk_nitrogen  | 0.652                         | 2  | 0.326          | 0.984    | 0.381 <sup>ns</sup> |
| Biochar *       | 3.198                         | 6  | 0.533          | 1.608    | 0.165 <sup>ns</sup> |
| Pupuk_nitrogen  |                               |    |                |          |                     |
| Error           | 15.908                        | 48 | 0.331          |          |                     |
| Total           | 1950.710                      | 60 |                |          |                     |
| Corrected Total | 22.910                        | 59 |                |          |                     |

Lampiran 9. Sidik ragam panjang akar bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F        | Sig.                |
|-----------------|-------------------------------|----|----------------|----------|---------------------|
| Corrected Model | 355.320 <sup>a</sup>          | 11 | 32.302         | 1.645    | 0.116               |
| Intercept       | 21980.376                     | 1  | 21980.376      | 1119.515 | 0.000               |
| Biochar         | 92.132                        | 3  | 30.711         | 1.564    | 0.210 <sup>ns</sup> |
| Pupuk_nitrogen  | 58.159                        | 2  | 29.079         | 1.481    | 0.238 <sup>ns</sup> |
| Biochar *       | 205.029                       | 6  | 34.172         | 1.740    | 0.132 <sup>ns</sup> |
| Pupuk_nitrogen  |                               |    |                |          |                     |
| Error           | 942.424                       | 48 | 19.634         |          |                     |
| Total           | 23278.120                     | 60 |                |          |                     |
| Corrected Total | 1297.744                      | 59 |                |          |                     |

Lampiran 10. Sidik ragam volume bibit kelapa sawit di *pre nursery*

| Source          | Type III<br>Sum of<br>Squares | df | Mean<br>Square | F       | Sig.                |
|-----------------|-------------------------------|----|----------------|---------|---------------------|
| Corrected Model | 3.161 <sup>a</sup>            | 11 | 0.287          | 2.528   | 0.013               |
| Intercept       | 71.723                        | 1  | 71.723         | 630.991 | 0.000               |
| Biochar         | 0.100                         | 3  | 0.033          | 0.293   | 0.830 <sup>ns</sup> |
| Pupuk_nitrogen  | 0.102                         | 2  | 0.051          | 0.450   | 0.640 <sup>ns</sup> |
| Biochar *       | 2.959                         | 6  | 0.493          | 4.339   | 0.001 <sup>ns</sup> |
| Pupuk_nitrogen  |                               |    |                |         |                     |
| Error           | 5.456                         | 48 | 0.114          |         |                     |
| Total           | 80.340                        | 60 |                |         |                     |
| Corrected Total | 8.617                         | 59 |                |         |                     |

Keterangan :

s : Signifikan (berbeda nyata)

ns : Non Signifikan (tidak berbeda nyata)

Lampiran 11. Foto pada saat penelitian.





