

DAFTAR PUSTAKA

- Arsyad, S. (2010). *Konservasi Tanah dan Air* (2nd ed.). Bogor: IPB PRESS.
<http://repository.ipb.ac.id/handle/123456789/42667>
- Basuki, A. T. (2014). *Penggunaan SPSS dalam statistik*. Yogyakarta: Danisa Media.
- Burkhart, H. E., & Tomé, M. (2012). Modeling Forest Trees and Stands. In *Modeling Forest Trees and Stands* (1st ed., Vol. 9789048131). Blacksburg: Springer Dordrecht.
<https://doi.org/10.1007/978-90-481-3170-9>
- Davis, L. S., & Johnson, K. N. (1987). *Forest Management*. Minnesota: McGraw-Hill. <https://books.google.co.id/books?id=WHjGMp0VWvIC>
- Dzakwan, A., Suhartati, T., & Wahyudiono, S. (2019). *Analisis Kompetisi Eucalyptus pellita Umur18 Bulan pada Berbagai Jarak Tanam*. Skripsi. Tidak Dipublikasi. Yogyakarta: Fakultas Kehutanan Institut Pertanian Stiper.
- Gardner, R. H., Hunsaker, C. T., Graham, R. L., Suter, G. W., O'Neill, R. V., & Barnthouse, L. W. (1990). Assessing Ecological Risk on a Regional Scale. *Environmental Management*, 14(3), 325–332.
- George, D., & Mallery, P. (2010). *SPSS for Windows Step by Step: A Simple Guide and Reference, 17.0 Update*. Boston: Allyn & Bacon.
<https://books.google.co.id/books?id=KS1DPgAACAAJ>
- Hakim, I. (2009). Kajian Pembiayaan Pembangunan Hutan Tanaman Industri. *Penelitian Sosial Dan Ekonomi Kehutanan*, 6(no 2), 135–158.
<https://doi.org/10.20886/jpsek.2009.6.2.135-158>
- Harlan, J. (2018). *Analisis variansi*. Depok: Gunadarma.
- Hegyi, F. (1974). A Simulation Model for Managing Jack-Pine Standssimulation. *RoyalColl. For, Res. Notes*, 30, 74–90.

Hidayat, H. (2008). *Politik Lingkungan: Pengelolaan Hutan Masa Orde Baru dan Reformasi* (N. Kusumawardani & B. Wahyunarso (eds.); 1st ed.). Jakarta: Yayasan Obor Indonesia & Ngrumat Bondo Utomo.
<https://doi.org/595.26.18.2008>

Hiwale, S. (2015). Sustainable Horticulture in Semiarid Dry Lands. In *Sustainable Horticulture in Semiarid Dry Lands* (pp. 1–393). New Delhi: Springer.
<https://doi.org/10.1007/978-81-322-2244-6>

Hutagaol, G. A. P., Suwadji, S., & Wahyudiono, S. (2022). *Analisis Kompetisi Tanaman Eucalyptus Umur 27 Bulan pada Berbagai Clone Eucalyptus pellita*. Skripsi. Tidak Dipublikasi. Yogyakarta: Fakultas Kehutanan Institut Pertanian Stiper.

Junaidi, J. (2015). Multiple Box-Plot dengan Program Minitab dan SPSS. *Fakultas Ekonomi Dan Bisnis Universitas Jambi*.

Kurniadie, D., Widayat, D., & Sernita, P. I. (2022). Pengaruh Dosis Herbisida Isopropilamina Glifosat 480 SL untuk Pengendalian Gulma pada Budidaya Tanaman Eukaliptus (Eucalyptus sp.). *Agrikultura*, 33(2), 208.
<https://doi.org/10.24198/agrikultura.v33i2.40613>

Kusmana, C. (2017). *Metode Survey dan Interpretasi Data Vegetasi*. Bogor: IPB Press.

Levene, H. (1960). *Contributions to Probability and Statistics: Essays in Honor of Harold Hotelling*. California: Stanford University Press.
<https://books.google.co.id/books?id=ZUSsAAAAIAAJ>

McNaughton, S. J., & Wolf, L. L. (1973). *General Ecology*. New York: Holt, Rinehart and Winston.
<https://books.google.co.id/books?id=wJkoAQAAQAAJ>

Meng, X.-Z., Zeng, E. Y., Yu, L.-P., Mai, B.-X., Luo, X.-J., & Ran, Y. (2007). Persistent Halogenated Hydrocarbons in Consumer Fish of China: Regional and Global Implications for Human Exposure. *Environmental Science & Technology*, 41(6),

1821–1827.

<https://doi.org/10.1021/es062251z>

Newton, P. (2019). Wood Quality Attribute Models and Their Utility when Integrated into Density Management Decision-Support Systems for Boreal Conifers. *Forest Ecology and Management*, 438, 267–284.
<https://doi.org/10.1016/j.foreco.2019.01.053>

Nuryadi, N., Astuti, D., Utami, S., & M Budiantara, M. B. (2017). *Dasar-Dasar Statistik Penelitian* (1st ed.). Yogyakarta: Gramasurya.
<http://eprints.mercubuana-yogya.ac.id/id/eprint/6667>

Odum, H. T. (1983). *Systems Ecology; an Introduction*. New York: John Wiley and Sons.

Paembonan, S. A. (2020). *Silvika Ekofisiologi dan Pertumbuhan Pohon* (1st ed.). Makassar: Fakultas Kehutanan Universitas Hasanuddin.

Pearson, E. S. (1948). *Karl Pearson's Early Statistical Papers*. Cambridge: University Press.

<https://books.google.co.id/books?id=misWvgAACAAJ>

Pretzsch, H. (2009). *Forest Dynamics, Growth and Yield* (Issue 0). Freising: Springer-Verlag Berlin Heidelberg.
<https://doi.org/10.1007/978-3-540-88307-4>

Pretzsch, H. (2020). Density and Growth of Forest Stands Revisited. Effect of The Temporal Scale of Observation, Site Quality, and Thinning. *Forest Ecology and Management*, 460, 117879.
<https://doi.org/10.1016/j.foreco.2020.117879>

Pribadi, A. (2016). Hutan Tanaman Industri Jenis Eucalyptus Sp. Sebagai Pakan Lebah Madu di Riau. *Info Teknis EBONI*, 13(2), 105–118.

Priyatno, D. (2016). *Belajar Alat Analisis Data dan Cara Pengolahannya Dengan SPSS*. Yogyakarta: Gava Media.

- https://elibrary.polbangtanmalang.ac.id/index.php?p=show_detail&id=262
- S., S., C.M, P., Varghese, R., Joseph, P., C V, A., Bijoy Nandan, S., & Radhakrishnan, C. (2018). Diversity, Stand Structure and Zonation Pattern of Mangroves in Southwest Coast of India. *Journal of Asia-Pacific Biodiversity*, 11. <https://doi.org/10.1016/j.japb.2018.08.001>
- Sadono, R. (2019). Effects of Competition on the Crown Width Allometry for Dominant Trees on Good Sites of Vegetative Clonal Teak (*Tectona grandis* Linn. F.) in Java, Indonesia. *Jurnal Manajemen Hutan Tropika*, 25(2), 104–114. <https://doi.org/10.7226/jtfm.25.2.104>
- Sadono, R., & Silalahi, M. L. (2010). Penentuan Tingkat Kompetisi Tajuk Tegakan Jati Hasil Uji Keturunan Umur 11 Tahun di KPH Ngawi. *Jurnal Ilmu Kehutanan*, 4(2), 80. <https://doi.org/10.22146/jik.1564>
- Sahara, M. (2014). *Kajian Kemiringan Lereng dan Curah Hujan Terhadap Tingkat Kerawanan Longsor di Kecamatan Pekuncen Kabupaten Banyumas*. Skripsi. Tidak Dipublikasi. Purwokerto: Fakultas Keguruan dan Ilmu Pendidikan Universitas Muhammadiyah Purwokerto.
- Salim, E. H. (1998). *Pengelolaan Tanah*. Karya Tulis. Bandung: Fakultas Pertanian Universitas Padjadjaran.
- Sapkota, R., Stahl, P., & Norton, U. (2018). Anthropogenic Disturbances Shift Diameter Distributions of Woody Plant Species in *Shorea robusta* Gaertn. (Sal) Mixed Forests of Nepal. *Journal of Asia-Pacific Biodiversity*, 12. <https://doi.org/10.1016/j.japb.2018.08.004>
- Setyaningsih, W. (2017). *Respon Dimensi Tajuk Jati Klon Terhadap Kompetisi Tajuk di Kph Madiun*. Skripsi. Tidak Dipublikasi. Yogyakarta: Fakultas Kehutanan Universitas Gadjah Mada.
- Sitompul, S. M., & Guritno, B. (1995). *Analisis Pertumbuhan Tanaman*. Yogyakarta: Universitas Gadjah Mada Press.

Suhartati, T. (2021). *Bahan Kuliah Dasar-Dasar Statistik*. Yogyakarta: Fakultas Kehutanan Institut Pertanian STIPER.

Tamba, P., & Manurung, D. R. (2015). Adaptasi Masyarakat Dalam Merespon Perubahan Fungsi Hutan (Studi Deskriptif Tentang Kehadiran Hutan Tanaman Industri Pt. Toba Pulp Lestari di Desa Tapian Nauli III, Kec. Sipahutar, Kab.Tapanuli Utara). *Perspektif Sosiologi*, 3(1), 150–164.

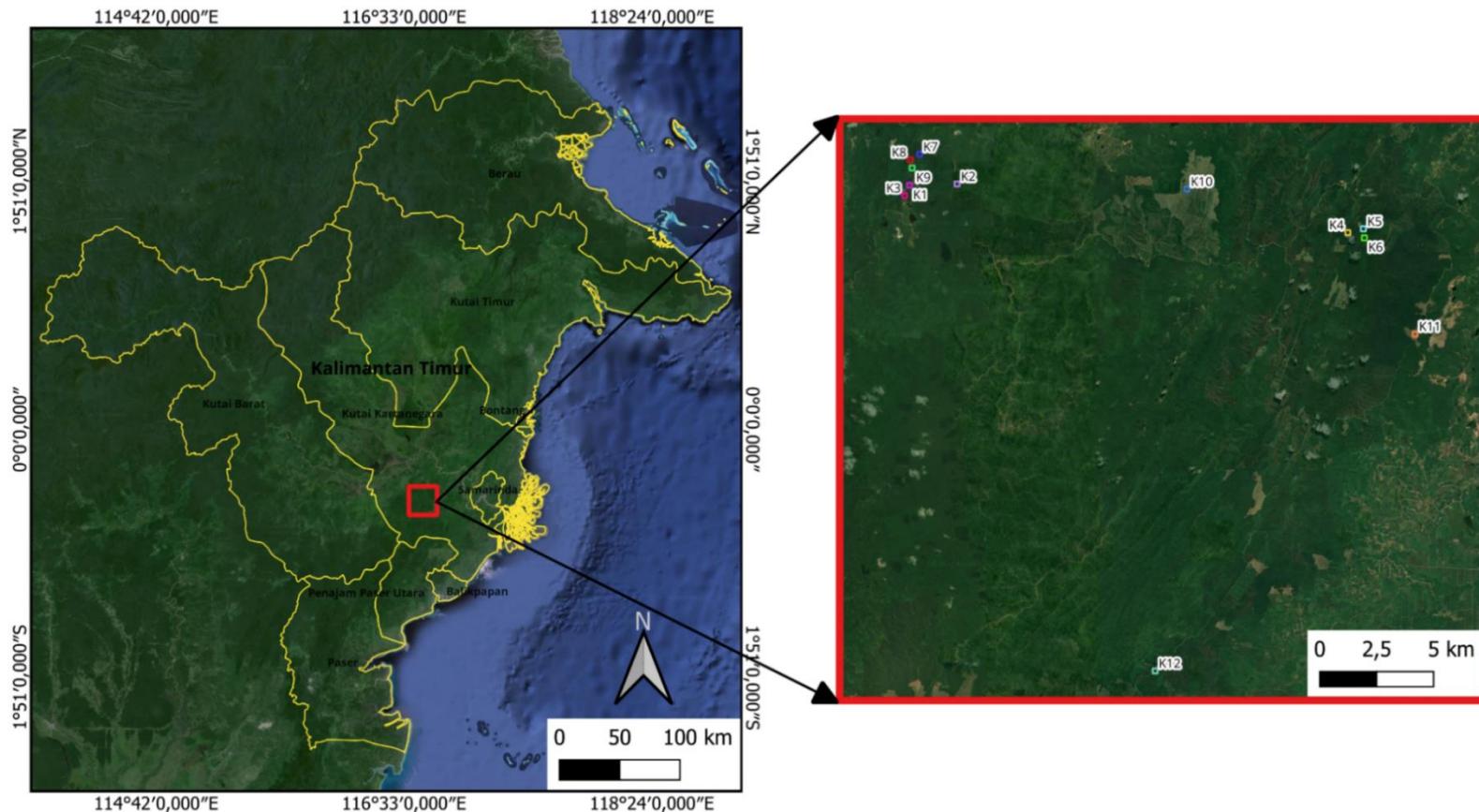
Tukey, J. W. (1953). *The Problem of Multiple Comparisons*. New York: Chapman and Hall.

Van Laar, A., & Akça, A. (2007). *Forest Mensuration* (Vol. 13). Gottenberg: Springer Dordrecht.

Zobel, B., & Talbert, J. (1984). *Applied forest tree improvement*. New York: John Wiley & Sons.

LAMPIRAN

Lampiran 1. Peta Seluruh Lokasi Kompartemen



Lampiran 2. Peta Lokasi Kompartemen 1 (Klona A \leq 26,79%)



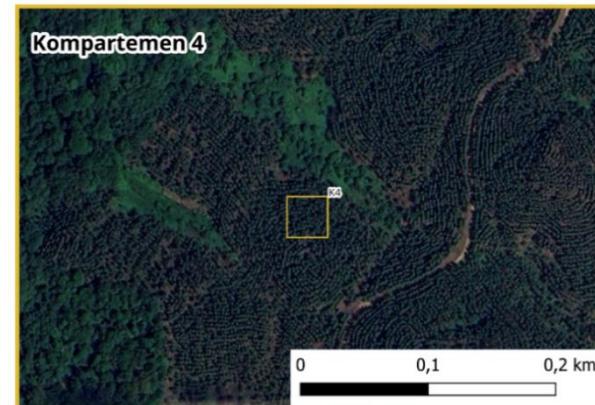
Lampiran 4. Peta Lokasi Kompartemen 3 (Klona A \leq 26,79%)



Lampiran 3. Peta Lokasi Kompartemen 2 (Klona A \leq 26,79%)



Lampiran 5. Peta Lokasi Kompartemen 4 (Klona A 26,79% – 46,63%)



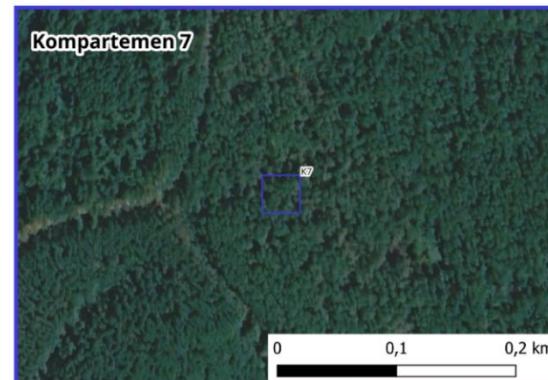
Lampiran 6. Peta Lokasi Kompartemen 5 (Klona A 26,79% – 46,63%)



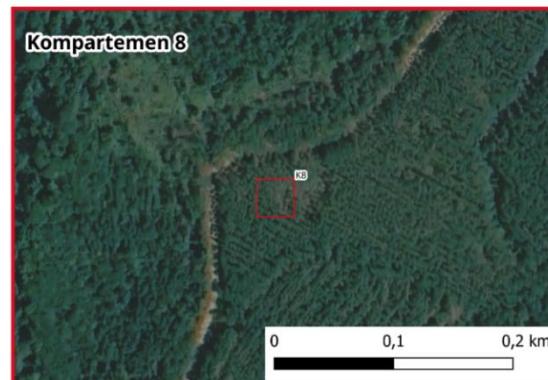
Lampiran 7. Peta Lokasi Kompartemen 6 (Klona A 26,79% – 46,63%)



Lampiran 8. Peta Lokasi Kompartemen 7 (Klona B \leq 26,79%)



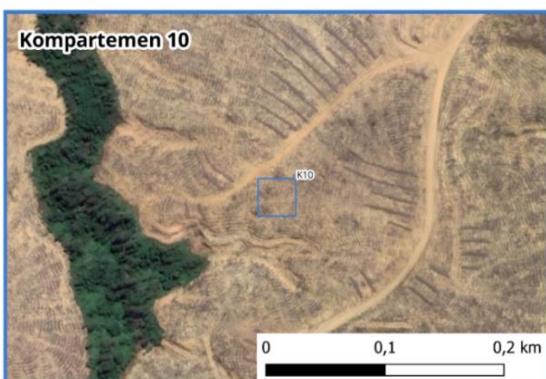
Lampiran 9. Peta Lokasi Kompartemen 8 (Klona B \leq 26,79%)



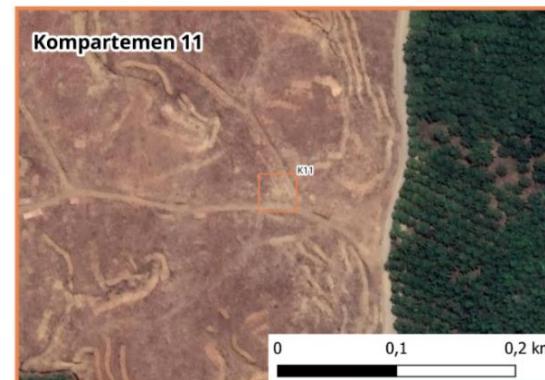
Lampiran 10. Peta Lokasi Kompartemen 9 (Klona B \leq 26,79%)



Lampiran 11. Peta Lokasi Kompartemen 10 (Klona B 26,79% – 46,63%)



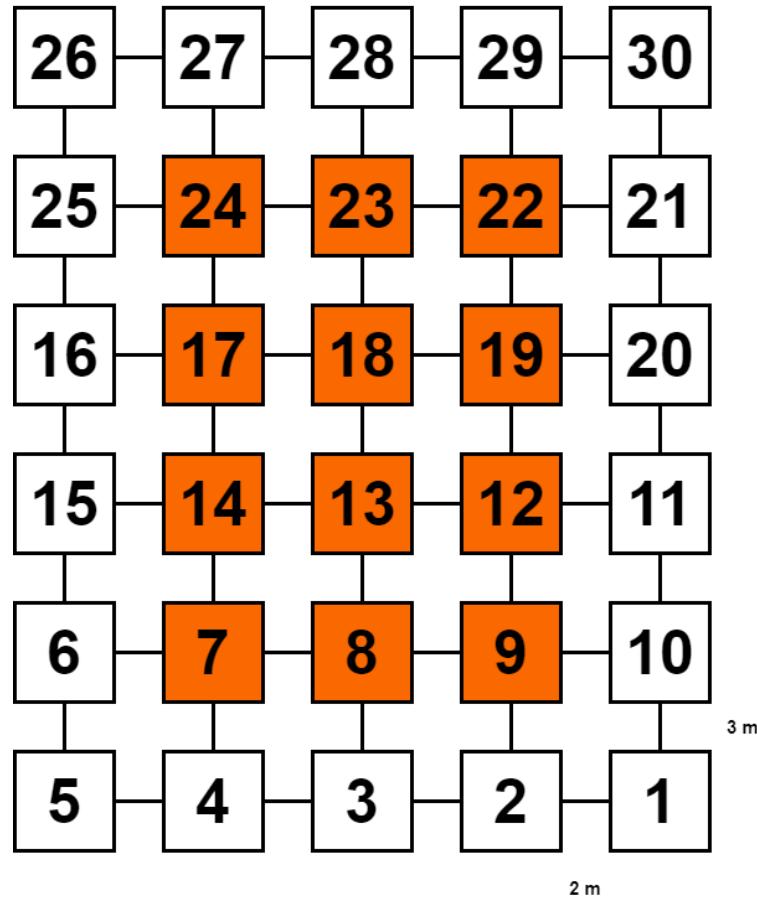
Lampiran 12. Peta Lokasi Kompartemen 11 (Klona B 26,79% – 46,63%)



Lampiran 13. Peta Lokasi Kompartemen 12 (Klona B 26,79% – 46,63%)



Lampiran 14. Peta Plot Pohon Subjek dan Kompetitor Plot 1-12 (Klona A & Klona B, $\leq 26,79\%$, $26,79\% - 46,63\%$)



Keterangan Pohon Subjek (S) dan Kompetitor (k):

$$S7 = k_{14} \text{ (utara)} - k_8 \text{ (timur)} - k_4 \text{ (selatan)} - k_6 \text{ (barat)}$$

$$S8 = k_{13} \text{ (utara)} - k_9 \text{ (timur)} - k_3 \text{ (selatan)} - k_7 \text{ (barat)}$$

$$S9 = k_{12} \text{ (utara)} - k_{10} \text{ (timur)} - k_2 \text{ (selatan)} - k_8 \text{ (barat)}$$

$$S12 = k_{19} \text{ (utara)} - k_{11} \text{ (timur)} - k_9 \text{ (selatan)} - k_{13} \text{ (barat)}$$

$$S13 = k_{18} \text{ (utara)} - k_{12} \text{ (timur)} - k_8 \text{ (selatan)} - k_{14} \text{ (barat)}$$

$$S14 = k_{17} \text{ (utara)} - k_{13} \text{ (timur)} - k_7 \text{ (selatan)} - k_{15} \text{ (barat)}$$

$$S17 = k_{24} \text{ (utara)} - k_{18} \text{ (timur)} - k_{14} \text{ (selatan)} - k_{16} \text{ (barat)}$$

$$S22 = k_{29} \text{ (utara)} - k_{21} \text{ (timur)} - k_{19} \text{ (selatan)} - k_{23} \text{ (barat)}$$

$$S23 = k_{28} \text{ (utara)} - k_{22} \text{ (timur)} - k_{18} \text{ (selatan)} - k_{24} \text{ (barat)}$$

$$S24 = k_{27} \text{ (utara)} - k_{23} \text{ (timur)} - k_{17} \text{ (selatan)} - k_{25} \text{ (barat)}$$

Lampiran 15. Data DBH, Diameter Tajuk (CD) Pohon Subjek, IKT, dan CCI Klona A \leq 26,79%

| Klona A \leq 26,79% Plot 1 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 7,00 | 1,30 | 1,8619 | 0,6951 |
| 8 | 5,50 | 1,40 | 2,4061 | 0,4551 |
| 9 | 8,20 | 1,77 | 1,4289 | 1,2774 |
| 12 | 5,50 | 1,15 | 2,1030 | 0,5974 |
| 13 | 6,60 | 1,31 | 1,9848 | 0,6627 |
| 14 | 11,10 | 2,18 | 1,1652 | 2,0386 |
| 17 | 7,80 | 1,47 | 1,9466 | 0,7011 |
| 18 | 8,90 | 1,81 | 1,4513 | 1,2779 |
| 19 | 7,30 | 1,49 | 1,9749 | 0,7014 |
| 22 | 10,30 | 2,13 | 1,3948 | 1,3873 |
| 23 | 9,50 | 1,97 | 1,6404 | 1,0392 |
| 24 | 8,80 | 1,76 | 1,4318 | 1,3038 |

| Klona A \leq 26,79% Plot 2 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 7,10 | 1,79 | 2,6479 | 0,4028 |
| 8 | 12,00 | 2,16 | 1,2444 | 1,6198 |
| 9 | 8,30 | 1,83 | 1,7269 | 0,8944 |
| 12 | 7,80 | 1,51 | 2,1261 | 0,6338 |
| 13 | 10,20 | 1,82 | 1,6144 | 1,0193 |
| 14 | 11,60 | 2,04 | 1,3549 | 1,5164 |
| 17 | 10,50 | 2,07 | 1,3746 | 1,3002 |
| 18 | 8,30 | 1,71 | 1,7570 | 0,8777 |
| 19 | 7,40 | 1,61 | 1,9032 | 0,7740 |
| 22 | 8,50 | 1,71 | 1,7510 | 0,8780 |
| 23 | 6,70 | 1,44 | 2,2910 | 0,5231 |
| 24 | 9,80 | 2,03 | 1,5323 | 1,1173 |

| Klona A \leq 26,79% Plot 3 | | | | |
|--|------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 5,50 | 1,31 | 2,3455 | 0,5063 |
| 8 | 7,80 | 1,70 | 1,3291 | 1,5817 |
| 9 | 7,50 | 1,60 | 1,4889 | 1,2353 |
| 12 | 5,10 | 1,24 | 2,2418 | 0,5174 |
| 13 | 5,60 | 1,32 | 1,9821 | 0,6681 |
| 14 | 7,30 | 1,82 | 1,5776 | 1,1045 |
| 17 | 6,70 | 1,66 | 1,8905 | 0,7682 |
| 18 | 6,90 | 1,38 | 1,7271 | 0,9320 |
| 19 | 8,20 | 1,83 | 1,2561 | 1,7869 |
| 22 | 6,30 | 1,84 | 2,1667 | 0,5860 |
| 23 | 7,80 | 1,63 | 1,5021 | 1,2366 |
| 24 | 8,20 | 1,65 | 1,5732 | 1,1271 |

Lampiran 16. Data DBH, Diameter Tajuk (CD) Pohon Subjek, IKT, dan CCI Klona A 26,79% – 46,63%

| Klona A 26,79% – 46,63% Plot 4 | | | | |
|---------------------------------------|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 5,50 | 1,38 | 2,3697 | 0,2251 |
| 8 | 10,10 | 2,34 | 1,4488 | 1,2040 |
| 9 | 10,50 | 2,21 | 1,6270 | 1,0111 |
| 12 | 11,80 | 2,07 | 1,3150 | 1,5854 |
| 13 | 10,40 | 2,09 | 1,3686 | 1,3808 |
| 14 | 5,80 | 1,42 | 2,2299 | 0,2108 |
| 17 | 11,00 | 2,07 | 1,2364 | 1,6740 |
| 18 | 6,20 | 1,67 | 2,5753 | 0,4109 |
| 19 | 8,00 | 1,79 | 2,0563 | 0,6008 |
| 22 | 10,10 | 2,66 | 1,4934 | 1,1946 |
| 23 | 9,00 | 1,80 | 1,7870 | 0,8766 |
| 24 | 11,00 | 1,92 | 1,5818 | 1,0793 |

| Klona A 26,79% – 46,63% Plot 5 | | | | |
|---------------------------------------|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 7,20 | 1,83 | 2,0741 | 0,6354 |
| 8 | 9,80 | 2,16 | 1,2534 | 1,6821 |
| 9 | 6,50 | 1,43 | 2,2256 | 0,5490 |
| 12 | 6,70 | 1,23 | 1,8408 | 0,6766 |
| 13 | 9,00 | 2,00 | 1,5407 | 1,1146 |
| 14 | 8,90 | 2,12 | 1,5281 | 1,1796 |
| 17 | 9,00 | 2,11 | 1,4352 | 1,2413 |
| 18 | 8,40 | 1,76 | 1,9702 | 0,7168 |
| 19 | 11,30 | 2,04 | 1,1903 | 2,0285 |
| 22 | 6,50 | 1,51 | 2,1179 | 0,5551 |
| 23 | 10,20 | 1,87 | 1,3480 | 1,4553 |
| 24 | 9,00 | 1,89 | 1,7148 | 0,9617 |

| Klona A 26,79% – 46,63% Plot 6 | | | | |
|---------------------------------------|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 10,80 | 1,98 | 1,3426 | 1,5256 |
| 8 | 7,50 | 1,37 | 2,2711 | 0,5412 |
| 9 | 10,00 | 2,01 | 1,6517 | 0,9717 |
| 12 | 11,20 | 2,19 | 1,5640 | 1,1366 |
| 13 | 10,70 | 2,51 | 1,3458 | 1,5687 |
| 14 | 8,40 | 1,83 | 2,1766 | 0,5940 |
| 17 | 10,00 | 2,47 | 1,4583 | 1,2462 |
| 18 | 6,30 | 1,62 | 2,7328 | 0,3731 |
| 19 | 10,90 | 2,66 | 1,2110 | 1,6106 |
| 22 | 9,50 | 2,24 | 1,5772 | 1,0944 |
| 23 | 9,60 | 2,28 | 1,4444 | 1,3844 |
| 24 | 9,70 | 2,32 | 1,5481 | 1,1358 |

Lampiran 17. Data DBH, Diameter Tajuk (CD) Pohon Subjek, IKT, dan CCI Klona B \leq 26,79%

| Klona B \leq 26,79% Plot 7 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 6,50 | 2,18 | 1,9923 | 0,6177 |
| 8 | 6,70 | 2,07 | 2,0721 | 0,5861 |
| 9 | 8,60 | 2,85 | 1,4457 | 1,2142 |
| 12 | 6,00 | 1,91 | 2,7028 | 0,3923 |
| 13 | 11,70 | 3,39 | 1,1638 | 1,8885 |
| 14 | 9,50 | 2,98 | 1,8158 | 0,8629 |
| 17 | 10,00 | 2,80 | 1,8183 | 0,8583 |
| 18 | 10,90 | 2,87 | 1,4755 | 1,1904 |
| 19 | 7,50 | 2,30 | 1,8267 | 0,8417 |
| 22 | 7,50 | 2,56 | 2,1533 | 0,6039 |
| 23 | 10,30 | 3,29 | 1,5939 | 1,0214 |
| 24 | 10,40 | 3,21 | 1,7356 | 0,9312 |

| Klona B \leq 26,79% Plot 8 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 10,00 | 3,16 | 1,2317 | 1,8234 |
| 8 | 8,50 | 2,40 | 1,8471 | 0,7714 |
| 9 | 7,60 | 2,40 | 1,9101 | 0,7690 |
| 12 | 8,80 | 2,67 | 1,7860 | 0,8960 |
| 13 | 11,50 | 3,25 | 1,1768 | 1,8408 |
| 14 | 5,80 | 1,84 | 2,8218 | 0,3507 |
| 17 | 8,50 | 2,72 | 1,8196 | 0,8407 |
| 18 | 10,20 | 3,46 | 1,2908 | 1,4666 |
| 19 | 5,50 | 1,80 | 2,6364 | 0,4057 |
| 22 | 6,80 | 1,85 | 1,7574 | 0,9161 |
| 23 | 7,00 | 1,89 | 2,1738 | 0,5562 |
| 24 | 10,30 | 2,79 | 1,2670 | 1,7093 |

| Klona B \leq 26,79% Plot 9 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 8,40 | 2,44 | 1,7321 | 0,8945 |
| 8 | 8,70 | 2,63 | 1,7165 | 0,9038 |
| 9 | 8,60 | 2,69 | 1,4767 | 1,1579 |
| 12 | 7,60 | 2,41 | 2,0044 | 0,6887 |
| 13 | 8,20 | 2,23 | 1,7642 | 0,8662 |
| 14 | 9,00 | 2,70 | 1,6352 | 1,0232 |
| 17 | 9,80 | 2,97 | 1,5969 | 1,0685 |
| 18 | 9,80 | 2,91 | 1,5187 | 1,2401 |
| 19 | 9,50 | 2,80 | 1,4368 | 1,3797 |
| 22 | 6,50 | 2,70 | 2,1051 | 0,6182 |
| 23 | 7,50 | 2,35 | 1,9467 | 0,7014 |
| 24 | 10,50 | 3,34 | 1,3365 | 1,5271 |

Lampiran 18. Data DBH, Diameter Tajuk (CD) Pohon Subjek, IKT, dan CCI Klona B 26,79% – 46,63%

| Klona B 26,79% – 46,63% Plot 10 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 7,80 | 2,19 | 2,1047 | 0,6193 |
| 8 | 10,90 | 2,23 | 1,1009 | 2,2988 |
| 9 | 6,80 | 2,26 | 2,3235 | 0,4758 |
| 12 | 11,30 | 2,68 | 1,3333 | 1,5438 |
| 13 | 7,40 | 2,26 | 2,4797 | 0,4591 |
| 14 | 11,60 | 2,42 | 1,3089 | 1,5886 |
| 17 | 10,00 | 2,11 | 1,5900 | 1,0300 |
| 18 | 9,80 | 2,40 | 1,5884 | 1,0901 |
| 19 | 9,00 | 2,11 | 2,0278 | 0,6603 |
| 22 | 11,80 | 2,02 | 1,3079 | 1,5356 |
| 23 | 10,80 | 2,46 | 1,5802 | 1,1353 |
| 24 | 10,00 | 2,69 | 1,6000 | 1,0064 |

| Klona B 26,79% – 46,63% Plot 11 | | | | |
|--|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 10,70 | 3,03 | 1,4813 | 1,2845 |
| 8 | 9,40 | 2,65 | 1,7447 | 0,9120 |
| 9 | 9,10 | 2,31 | 1,4945 | 1,2329 |
| 12 | 7,90 | 2,08 | 2,0359 | 0,6642 |
| 13 | 10,00 | 2,74 | 1,4983 | 1,1818 |
| 14 | 8,80 | 2,19 | 1,9489 | 0,7346 |
| 17 | 9,40 | 2,32 | 1,6099 | 1,0426 |
| 18 | 10,50 | 2,59 | 1,5921 | 1,0897 |
| 19 | 10,50 | 2,49 | 1,5413 | 1,1831 |
| 22 | 10,20 | 2,52 | 1,5948 | 1,1039 |
| 23 | 10,30 | 2,63 | 1,6553 | 1,0043 |
| 24 | 9,90 | 2,52 | 1,5976 | 1,0815 |

| Klona B '26,79% – 46,63% Plot 12 | | | | |
|---|-------|------|--------|--------|
| No Pohon | DBH | CD | IKT | CCI |
| 7 | 7,70 | 2,11 | 2,2727 | 0,5420 |
| 8 | 12,50 | 2,93 | 1,2173 | 1,6495 |
| 9 | 7,60 | 2,17 | 2,4693 | 0,4721 |
| 12 | 9,10 | 2,28 | 1,8974 | 0,7805 |
| 13 | 9,90 | 2,59 | 1,6751 | 0,9104 |
| 14 | 8,40 | 2,24 | 1,9821 | 0,7022 |
| 17 | 11,50 | 2,87 | 1,4145 | 1,4268 |
| 18 | 11,00 | 2,86 | 1,5303 | 1,2242 |
| 19 | 10,60 | 2,79 | 1,5881 | 1,1368 |
| 22 | 8,40 | 2,25 | 2,1290 | 0,6223 |
| 23 | 11,60 | 2,91 | 1,3865 | 1,3508 |
| 24 | 8,90 | 2,24 | 2,0899 | 0,6232 |

Lampiran 19. Nilai Statistik Deskriptif Varietas Klon dan Kelas Lereng

Descriptives

| DBH | Sumber_Variasi | | | Statistic | Std. Error |
|----------------------------|----------------------------------|--------|----------------------------------|-----------|------------|
| | | Mean | 95% Confidence Interval for Mean | | |
| Klona A ($\leq 26,79\%$) | Mean | 7.874 | | .2778 | |
| | 95% Confidence Interval for Mean | 7.310 | | | |
| | Lower Bound | | | | |
| | Upper Bound | 8.439 | | | |
| | 5% Trimmed Mean | 7.824 | | | |
| | Median | 7.800 | | | |
| | Variance | 2.700 | | | |
| | Std. Deviation | 1.6432 | | | |
| | Minimum | 5.1 | | | |
| | Maximum | 11.6 | | | |
| | Range | 6.5 | | | |
| | Interquartile Range | 2.1 | | | |
| | Skewness | .415 | | .398 | |
| | Kurtosis | -.246 | | .778 | |
| Klona A (26,79% – 46,63%) | Mean | 9.069 | | .2954 | |
| | 95% Confidence Interval for Mean | 8.470 | | | |
| | Lower Bound | | | | |
| | Upper Bound | 9.669 | | | |
| | 5% Trimmed Mean | 9.121 | | | |
| | Median | 9.550 | | | |
| | Variance | 3.142 | | | |
| | Std. Deviation | 1.7726 | | | |
| | Minimum | 5.5 | | | |
| | Maximum | 11.8 | | | |
| | Range | 6.3 | | | |
| | Interquartile Range | 2.8 | | | |
| | Skewness | -.555 | | .393 | |
| | Kurtosis | -.832 | | .768 | |
| Klona B ($\leq 26,79\%$) | Mean | 8.697 | | .2708 | |
| | 95% Confidence Interval for Mean | 8.147 | | | |
| | Lower Bound | | | | |
| | Upper Bound | 9.247 | | | |
| | 5% Trimmed Mean | 8.701 | | | |
| | Median | 8.600 | | | |
| | Variance | 2.566 | | | |
| | Std. Deviation | 1.6019 | | | |
| | Minimum | 5.5 | | | |
| | Maximum | 11.7 | | | |
| | Range | 6.2 | | | |
| | Interquartile Range | 2.5 | | | |
| | Skewness | -.082 | | .398 | |

| | | | | |
|---|----------------------------------|-------------|--------|--------|
| | Kurtosis | | -.813 | .778 |
| Klona B (26,79% – 46,63%) | Mean | | 9.720 | .2380 |
| | 95% Confidence Interval for Mean | Lower Bound | 9.236 | |
| | | Upper Bound | 10.204 | |
| | 5% Trimmed Mean | | 9.730 | |
| | Median | | 9.900 | |
| | Variance | | 1.982 | |
| | Std. Deviation | | 1.4079 | |
| | Minimum | | 6.8 | |
| | Maximum | | 12.5 | |
| | Range | | 5.7 | |
| | Interquartile Range | | 1.9 | |
| | Skewness | | -.173 | .398 |
| | Kurtosis | | -.631 | .778 |
| Diameter_Tajuk Klona A (\leq 26,79%) | Mean | | 1.6651 | .04548 |
| | 95% Confidence Interval for Mean | Lower Bound | 1.5727 | |
| | | Upper Bound | 1.7576 | |
| | 5% Trimmed Mean | | 1.6642 | |
| | Median | | 1.7000 | |
| | Variance | | .072 | |
| | Std. Deviation | | .26904 | |
| | Minimum | | 1.15 | |
| | Maximum | | 2.18 | |
| | Range | | 1.03 | |
| | Interquartile Range | | .39 | |
| | Skewness | | -.002 | .398 |
| | Kurtosis | | -.750 | .778 |
| Klona A (26,79% – 46,63%) | Mean | | 1.9681 | .06033 |
| | 95% Confidence Interval for Mean | Lower Bound | 1.8456 | |
| | | Upper Bound | 2.0905 | |
| | 5% Trimmed Mean | | 1.9672 | |
| | Median | | 2.0050 | |
| | Variance | | .131 | |
| | Std. Deviation | | .36196 | |
| | Minimum | | 1.23 | |
| | Maximum | | 2.66 | |
| | Range | | 1.43 | |
| | Interquartile Range | | .44 | |
| | Skewness | | -.124 | .393 |
| | Kurtosis | | -.399 | .768 |
| Klona B (\leq 26,79%) | Mean | | 2.6563 | .07743 |
| | 95% Confidence Interval for Mean | Lower Bound | 2.4989 | |

| | | | | | |
|-----|---------------------------|----------------------------------|-------------|----------|----------|
| | | | Upper Bound | 2.8136 | |
| | | 5% Trimmed Mean | | 2.6597 | |
| | | Median | | 2.7000 | |
| | | Variance | | .210 | |
| | | Std. Deviation | | .45808 | |
| | | Minimum | | 1.80 | |
| | | Maximum | | 3.46 | |
| | | Range | | 1.66 | |
| | | Interquartile Range | | .62 | |
| | | Skewness | | -.142 | .398 |
| | | Kurtosis | | -.689 | .778 |
| | Klona B (26,79% – 46,63%) | Mean | | 2.4546 | .04769 |
| | | 95% Confidence Interval for Mean | Lower Bound | 2.3576 | |
| | | | Upper Bound | 2.5515 | |
| | | 5% Trimmed Mean | | 2.4477 | |
| | | Median | | 2.4200 | |
| | | Variance | | .080 | |
| | | Std. Deviation | | .28216 | |
| | | Minimum | | 2.02 | |
| | | Maximum | | 3.03 | |
| | | Range | | 1.01 | |
| | | Interquartile Range | | .44 | |
| | | Skewness | | .366 | .398 |
| | | Kurtosis | | -.996 | .778 |
| CCI | Klona A (\leq 26,79%) | Mean | | .974984 | .0673168 |
| | | 95% Confidence Interval for Mean | Lower Bound | .838180 | |
| | | | Upper Bound | 1.111788 | |
| | | 5% Trimmed Mean | | .952433 | |
| | | Median | | .894443 | |
| | | Variance | | .159 | |
| | | Std. Deviation | | .3982515 | |
| | | Minimum | | .4028 | |
| | | Maximum | | 2.0386 | |
| | | Range | | 1.6358 | |
| | | Interquartile Range | | .6147 | |
| | | Skewness | | .715 | .398 |
| | | Kurtosis | | .099 | .778 |
| | Klona A (26,79% – 46,63%) | Mean | | 1.039765 | .0759409 |
| | | 95% Confidence Interval for Mean | Lower Bound | .885597 | |
| | | | Upper Bound | 1.193933 | |
| | | 5% Trimmed Mean | | 1.039090 | |
| | | Median | | 1.104461 | |

| | | | |
|----------------------------|----------------------------------|----------------------------------|----------------------------|
| | Variance | .208 | |
| | Std. Deviation | .4556456 | |
| | Minimum | .2108 | |
| | Maximum | 2.0285 | |
| | Range | 1.8177 | |
| | Interquartile Range | .7740 | |
| | Skewness | -.018 | .393 |
| | Kurtosis | -.715 | .768 |
| Klona B ($\leq 26,79\%$) | Mean | 1.002080 | .0677934 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | .864307 1.139852 |
| | 5% Trimmed Mean | .987530 | |
| | Median | .896037 | |
| | Variance | .161 | |
| | Std. Deviation | .4010712 | |
| | Minimum | .3923 | |
| | Maximum | 1.8885 | |
| | Range | 1.4962 | |
| | Interquartile Range | .5128 | |
| | Skewness | .796 | .398 |
| | Kurtosis | -.033 | .778 |
| Klona B (26,79% – 46,63%) | Mean | 1.002865 | .0573791 |
| | 95% Confidence Interval for Mean | Lower Bound Upper Bound | .886256 1.119473 |
| | 5% Trimmed Mean | .998289 | |
| | Median | 1.042627 | |
| | Variance | .115 | |
| | Std. Deviation | .3394591 | |
| | Minimum | .4591 | |
| | Maximum | 1.6495 | |
| | Range | 1.1904 | |
| | Interquartile Range | .5600 | |
| | Skewness | .084 | .398 |
| | Kurtosis | -.864 | .778 |
| IKT | Klona A ($\leq 26,79\%$) | Mean | 1.769988 .0618682 |
| | | 95% Confidence Interval for Mean | Lower Bound Upper Bound |
| | | | 1.644256 1.895719 |
| | | 5% Trimmed Mean | 1.758409 |
| | | Median | 1.727053 |
| | | Variance | .134 |
| | | Std. Deviation | .3660174 |
| | | Minimum | 1.1652 |

| | | | |
|---------------------------|----------------------------------|-------------|----------|
| | Maximum | 2.6479 | |
| | Range | 1.4827 | |
| | Interquartile Range | .5335 | |
| | Skewness | .470 | .398 |
| | Kurtosis | -.504 | .778 |
| Klona A (26,79% – 46,63%) | Mean | 1.712555 | .0684840 |
| | 95% Confidence Interval for Mean | Lower Bound | 1.573525 |
| | | Upper Bound | 1.851585 |
| | 5% Trimmed Mean | 1.688268 | |
| | Median | 1.570591 | |
| | Variance | .169 | |
| | Std. Deviation | .4109037 | |
| | Minimum | 1.1903 | |
| | Maximum | 2.7328 | |
| | Range | 1.5425 | |
| | Interquartile Range | .6844 | |
| | Skewness | .817 | .393 |
| | Kurtosis | -.271 | .768 |
| Klona B (\leq 26,79%) | Mean | 1.741783 | .0614555 |
| | 95% Confidence Interval for Mean | Lower Bound | 1.616890 |
| | | Upper Bound | 1.866676 |
| | 5% Trimmed Mean | 1.721775 | |
| | Median | 1.757353 | |
| | Variance | .132 | |
| | Std. Deviation | .3635758 | |
| | Minimum | 1.1638 | |
| | Maximum | 2.7028 | |
| | Range | 1.5390 | |
| | Interquartile Range | .4711 | |
| | Skewness | .653 | .398 |
| | Kurtosis | .789 | .778 |
| Klona B (26,79% – 46,63%) | Mean | 1.734039 | .0574133 |
| | 95% Confidence Interval for Mean | Lower Bound | 1.617361 |
| | | Upper Bound | 1.850717 |
| | 5% Trimmed Mean | 1.719409 | |
| | Median | 1.597643 | |
| | Variance | .115 | |
| | Std. Deviation | .3396618 | |
| | Minimum | 1.2173 | |
| | Maximum | 2.4797 | |
| | Range | 1.2624 | |
| | Interquartile Range | .5294 | |

| | | |
|----------|-------|------|
| Skewness | .715 | .398 |
| Kurtosis | -.402 | .778 |

Lampiran 20. Uji Homogenitas (*Levene's*) Perlakuan Varietas Klon dan Kelas Lereng Terhadap DBH

Levene's Test of Equality of Error Variances^{a,b}

| | | Levene Statistic | df1 | df2 | Sig. |
|-----|--------------------------------------|------------------|-----|---------|------|
| DBH | Based on Mean | .692 | 3 | 137 | .558 |
| | Based on Median | .600 | 3 | 137 | .616 |
| | Based on Median and with adjusted df | .600 | 3 | 130.172 | .616 |
| | Based on trimmed mean | .684 | 3 | 137 | .563 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.^{a,b}

a. Dependent variable: DBH

b. Design: Intercept + Klon + Kelas_Lereng + Klon * Kelas_Lereng

Lampiran 21. Uji Homogenitas (*Levene's*) Perlakuan Varietas Klon dan Kelas Lereng Terhadap Diameter Tajuk (CD)

Levene's Test of Equality of Error Variances^{a,b}

| | | Levene Statistic | df1 | df2 | Sig. |
|----------------|--------------------------------------|------------------|-----|---------|------|
| Diameter_Tajuk | Based on Mean | 2.429 | 3 | 137 | .068 |
| | Based on Median | 2.007 | 3 | 137 | .116 |
| | Based on Median and with adjusted df | 2.007 | 3 | 113.827 | .117 |
| | Based on trimmed mean | 2.378 | 3 | 137 | .073 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.^{a,b}

a. Dependent variable: Diameter_Tajuk

b. Design: Intercept + Klon + Kelas_Lereng + Klon * Kelas_Lereng

Lampiran 22. Uji Homogenitas (*Levene's*) Perlakuan Varietas Klon dan Kelas Lereng Terhadap IKT

Levene's Test of Equality of Error Variances^{a,b}

| | | Levene Statistic | df1 | df2 | Sig. |
|-----|--------------------------------------|------------------|-----|---------|------|
| IKT | Based on Mean | .655 | 3 | 137 | .581 |
| | Based on Median | .645 | 3 | 137 | .587 |
| | Based on Median and with adjusted df | .645 | 3 | 132.580 | .588 |
| | Based on trimmed mean | .638 | 3 | 137 | .592 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.^{a,b}

a. Dependent variable: IKT

b. Design: Intercept + Klon + Kelas_Lereng + Klon * Kelas_Lereng

Lampiran 23. Uji Homogenitas (*Levene's*) Perlakuan Varietas Klon dan Kelas Lereng Terhadap CCI

Levene's Test of Equality of Error Variances^{a,b}

| | | Levene Statistic | df1 | df2 | Sig. |
|-----|--------------------------------------|------------------|-----|---------|------|
| CCI | Based on Mean | 1.079 | 3 | 137 | .360 |
| | Based on Median | .916 | 3 | 137 | .435 |
| | Based on Median and with adjusted df | .916 | 3 | 128.685 | .435 |
| | Based on trimmed mean | 1.054 | 3 | 137 | .371 |

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.^{a,b}

a. Dependent variable: CCI

b. Design: Intercept + Klon + Kelas_Lereng + Klon * Kelas_Lereng

Lampiran 24. Nilai Statistik Deskriptif dari Uji *Two-way* ANOVA Perlakuan Varietas Klon dan Kelas Lereng Terhadap DBH

Descriptive Statistics

| Dependent Variable: DBH | | | | |
|-------------------------|-----------------|-------|----------------|-----|
| Klon | Kelas_Lereng | Mean | Std. Deviation | N |
| Klon A | ≤ 26,79% | 7.874 | 1.6432 | 35 |
| | 26,79% – 46,63% | 9.069 | 1.7726 | 36 |
| | Total | 8.480 | 1.8013 | 71 |
| Klon B | ≤ 26,79% | 8.697 | 1.6019 | 35 |
| | 26,79% – 46,63% | 9.720 | 1.4079 | 35 |
| | Total | 9.209 | 1.5832 | 70 |
| Total | ≤ 26,79% | 8.286 | 1.6634 | 70 |
| | 26,79% – 46,63% | 9.390 | 1.6252 | 71 |
| | Total | 8.842 | 1.7295 | 141 |

Lampiran 25. Nilai Statistik Deskriptif dari Uji *Two-way* ANOVA Perlakuan Varietas Klon dan Kelas Lereng Terhadap Diameter Tajuk

Descriptive Statistics

| Dependent Variable: Diameter_Tajuk | | | | |
|------------------------------------|-----------------|--------|----------------|-----|
| Klon | Kelas_Lereng | Mean | Std. Deviation | N |
| Klon A | ≤ 26,79% | 1.6651 | .26904 | 35 |
| | 26,79% – 46,63% | 1.9681 | .36196 | 36 |
| | Total | 1.8187 | .35203 | 71 |
| Klon B | ≤ 26,79% | 2.6563 | .45808 | 35 |
| | 26,79% – 46,63% | 2.4546 | .28216 | 35 |
| | Total | 2.5554 | .39109 | 70 |
| Total | ≤ 26,79% | 2.1607 | .62307 | 70 |
| | 26,79% – 46,63% | 2.2079 | .40520 | 71 |
| | Total | 2.1845 | .52344 | 141 |

Lampiran 26. Nilai Statistik Deskriptif dari Uji *Two-way* ANOVA Perlakuan Varietas Klon dan Kelas Lereng Terhadap IKT

Descriptive Statistics

| Dependent Variable: IKT | | | | |
|-------------------------|-----------------|----------|----------------|-----|
| Klona | Kelas_Lereng | Mean | Std. Deviation | N |
| Klona A | ≤ 26,79% | 1.769988 | .3660174 | 35 |
| | 26,79% – 46,63% | 1.712555 | .4109037 | 36 |
| | Total | 1.740867 | .3877212 | 71 |
| Klona B | ≤ 26,79% | 1.741783 | .3635758 | 35 |
| | 26,79% – 46,63% | 1.734039 | .3396618 | 35 |
| | Total | 1.737911 | .3492850 | 70 |
| Total | ≤ 26,79% | 1.755885 | .3624240 | 70 |
| | 26,79% – 46,63% | 1.723146 | .3749331 | 71 |
| | Total | 1.739399 | .3678242 | 141 |

Lampiran 27. Nilai Statistik Deskriptif dari Uji *Two-way* ANOVA Perlakuan Varietas Klon dan Kelas Lereng Terhadap CCI

Descriptive Statistics

| Dependent Variable: CCI | | | | |
|-------------------------|-----------------|----------|----------------|-----|
| Klona | Kelas_Lereng | Mean | Std. Deviation | N |
| Klona A | ≤ 26,79% | .974984 | .3982515 | 35 |
| | 26,79% – 46,63% | 1.039765 | .4556456 | 36 |
| | Total | 1.007831 | .4265052 | 71 |
| Klona B | ≤ 26,79% | 1.002080 | .4010712 | 35 |
| | 26,79% – 46,63% | 1.002865 | .3394591 | 35 |
| | Total | 1.002472 | .3688425 | 70 |
| Total | ≤ 26,79% | .988532 | .3969917 | 70 |
| | 26,79% – 46,63% | 1.021575 | .4001521 | 71 |
| | Total | 1.005170 | .3975063 | 141 |

Lampiran 28. Uji *Two-way* ANOVA Perlakuan Varietas Klon dan Kelas Lereng Terhadap DBH

Tests of Between-Subjects Effects

| Dependent Variable: DBH | | | | | |
|-------------------------|-------------------------|-----|-------------|----------|------|
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
| Corrected Model | 62.354 ^a | 3 | 20.785 | 7.989 | .000 |
| Intercept | 11017.434 | 1 | 11017.434 | 4234.753 | .000 |
| Klona | 19.129 | 1 | 19.129 | 7.352 | .008 |
| Kelas_Lereng | 43.347 | 1 | 43.347 | 16.661 | .000 |
| Klona * Kelas_Lereng | .262 | 1 | .262 | .101 | .752 |
| Error | 356.429 | 137 | 2.602 | | |
| Total | 11441.910 | 141 | | | |
| Corrected Total | 418.783 | 140 | | | |

a. R Squared = ,149 (Adjusted R Squared = ,130)

Lampiran 29. Uji *Two-way ANOVA* Perlakuan Varietas Klona dan Kelas Lereng Terhadap Diameter Tajuk

Tests of Between-Subjects Effects

Dependent Variable: Diameter_Tajuk

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|-----------|------|
| Corrected Model | 2.025 ^a | 3 | .675 | 58.996 | .000 |
| Intercept | 375.072 | 1 | 375.072 | 32782.655 | .000 |
| Klona | 1.812 | 1 | 1.812 | 158.383 | .000 |
| Kelas_Lereng | .016 | 1 | .016 | 1.438 | .233 |
| Klona * Kelas_Lereng | .206 | 1 | .206 | 18.045 | .000 |
| Error | 1.567 | 137 | .011 | | |
| Total | 378.510 | 141 | | | |
| Corrected Total | 3.592 | 140 | | | |

a. R Squared = ,564 (Adjusted R Squared = ,554)

Lampiran 30. Uji *Two-way ANOVA* Perlakuan Varietas Klona dan Kelas Lereng Terhadap IKT

Tests of Between-Subjects Effects

Dependent Variable: IKT

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|----------|------|
| Corrected Model | .012 ^a | 3 | .004 | .280 | .840 |
| Intercept | 50.662 | 1 | 50.662 | 3434.329 | .000 |
| Klona | .000 | 1 | .000 | .032 | .859 |
| Kelas_Lereng | .005 | 1 | .005 | .361 | .549 |
| Klona * Kelas_Lereng | .006 | 1 | .006 | .438 | .509 |
| Error | 2.021 | 137 | .015 | | |
| Total | 52.720 | 141 | | | |
| Corrected Total | 2.033 | 140 | | | |

a. R Squared = ,006 (Adjusted R Squared = -,016)

Lampiran 31. Uji *Two-way ANOVA* Perlakuan Varietas Klona dan Kelas Lereng Terhadap CCI

Tests of Between-Subjects Effects

Dependent Variable: CCI

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|----------------------|-------------------------|-----|-------------|---------|------|
| Corrected Model | .075 ^a | 3 | .025 | .156 | .925 |
| Intercept | 142.371 | 1 | 142.371 | 884.728 | .000 |
| Klona | .001 | 1 | .001 | .005 | .942 |
| Kelas_Lereng | .038 | 1 | .038 | .235 | .628 |
| Klona * Kelas_Lereng | .036 | 1 | .036 | .224 | .637 |
| Error | 22.046 | 137 | .161 | | |
| Total | 164.583 | 141 | | | |
| Corrected Total | 22.122 | 140 | | | |

a. R Squared = ,003 (Adjusted R Squared = -,018)

Lampiran 32. Uji Post-hoc Tukey HSD Perlakuan Varietas Klona dan Kelas Lereng Terhadap Diameter Tajuk

| Diameter_Tajuk | | | | |
|----------------------------|----|--------|--------|--------|
| Tukey HSD ^{a,b,c} | | | | |
| Post_Hoc | N | 1 | Subset | |
| Klona A ($\leq 26,79\%$) | 35 | 1.6651 | | |
| Klona A (26,79% – 46,63%) | 36 | | 1.9681 | |
| Klona B (26,79% – 46,63%) | 35 | | | 2.4546 |
| Klona B ($\leq 26,79\%$) | 35 | | | 2.6563 |
| Sig. | | 1.000 | 1.000 | 0.080 |

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,123.

a. Uses Harmonic Mean Sample Size = 35,245.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = 0,05.

Lampiran 33. Uji Korelasi Pearson Perlakuan Klona A dan Kelas Lereng ($\leq 26,79\%$) Terhadap DBH >< IKT

| Correlations | | | | |
|---------------------|---------------------|---------------------|---------------------|--------|
| | | DBH_KlonaA_≤ 26,79% | IKT_KlonaA_≤ 26,79% | |
| DBH_KlonaA_≤ 26,79% | Pearson Correlation | | 1 | .785** |
| | Sig. (2-tailed) | | | .000 |
| | N | 36 | 36 | |
| IKT_KlonaA_≤ 26,79% | Pearson Correlation | .785** | 1 | |
| | Sig. (2-tailed) | .000 | | |
| | N | 36 | 36 | |

Lampiran 34. Uji Korelasi Pearson Perlakuan Klona A dan Kelas Lereng (26,79% – 46,63%) Terhadap DBH >< IKT

| Correlations | | | | |
|----------------------------|---------------------|----------------------------|----------------------------|--------|
| | | DBH_KlonaA_26,79% – 46,63% | IKT_KlonaA_26,79% – 46,63% | |
| DBH_KlonaA_26,79% – 46,63% | Pearson Correlation | | 1 | .878** |
| | Sig. (2-tailed) | | | .000 |
| | N | 36 | 36 | |
| IKT_KlonaA_26,79% – 46,63% | Pearson Correlation | .878** | 1 | |
| | Sig. (2-tailed) | .000 | | |
| | N | 36 | 36 | |

Lampiran 35. Uji Korelasi *Pearson* Perlakuan Klona B dan Kelas Lereng ($\leq 26,79\%$) Terhadap DBH $><$ IKT

Correlations

| | | DBH_KlonaB_≤ 26,79% | IKT_KlonaB_≤ 26,79% | |
|---------------------|--|----------------------------|---------------------|--------|
| | | <i>Pearson Correlation</i> | 1 | .852** |
| DBH_KlonaB_≤ 26,79% | | Sig. (2-tailed) | | .000 |
| | | N | 35 | 35 |
| | | <i>Pearson Correlation</i> | .852** | 1 |
| IKT_KlonaB_≤ 26,79% | | Sig. (2-tailed) | .000 | |
| | | N | 35 | 35 |

Lampiran 36. Uji Korelasi *Pearson* Perlakuan Klona B dan Kelas Lereng (26,79% – 46,63%) Terhadap DBH $><$ IKT

Correlations

| | | DBH_KlonaB_26,79% – 46,63% | IKT_KlonaB_26,79% – 46,63% | |
|----------------------------|--|----------------------------|----------------------------|--------|
| | | <i>Pearson Correlation</i> | 1 | .945** |
| DBH_KlonaB_26,79% – 46,63% | | Sig. (2-tailed) | | .000 |
| | | N | 35 | 35 |
| | | <i>Pearson Correlation</i> | .945** | 1 |
| IKT_KlonaB_26,79% – 46,63% | | Sig. (2-tailed) | .000 | |
| | | N | 35 | 35 |

Lampiran 37. Uji Korelasi *Pearson* Perlakuan Klona A dan Kelas Lereng ($\leq 26,79\%$) Terhadap DBH $><$ Diameter Tajuk (CD)

Correlations

| | | DBH_KlonaA_≤ 26,79% | CD_KlonaA_≤ 26,79% | |
|---------------------|--|----------------------------|--------------------|--------|
| | | <i>Pearson Correlation</i> | 1 | .787** |
| DBH_KlonaA_≤ 26,79% | | Sig. (2-tailed) | | .000 |
| | | N | 36 | 36 |
| | | <i>Pearson Correlation</i> | .787** | 1 |
| CD_KlonaA_≤ 26,79% | | Sig. (2-tailed) | .000 | |
| | | N | 36 | 36 |

Lampiran 38. Uji Korelasi *Pearson* Perlakuan Klona A dan Kelas Lereng (26,79% – 46,63%) Terhadap DBH >< Diameter Tajuk (CD)

| | | Correlations | |
|----------------------------|----------------------------|----------------------------|---------------------------|
| | | DBH_KlonaA_26,79% – 46,63% | CD_KlonaA_26,79% – 46,63% |
| DBH_KlonaA_26,79% – 46,63% | <i>Pearson Correlation</i> | 1 | .783** |
| | Sig. (2-tailed) | | .000 |
| | N | 36 | 36 |
| CD_KlonaA_26,79% – 46,63% | <i>Pearson Correlation</i> | .783** | 1 |
| | Sig. (2-tailed) | .000 | |
| | N | 36 | 36 |

Lampiran 39. Uji Korelasi *Pearson* Perlakuan Klona B dan Kelas Lereng (\leq 26,79%) Terhadap DBH >< Diameter Tajuk (CD)

| | | Correlations | |
|---------------------|----------------------------|---------------------|--------------------|
| | | DBH_KlonaB_≤ 26,79% | CD_KlonaB_≤ 26,79% |
| DBH_KlonaB_≤ 26,79% | <i>Pearson Correlation</i> | 1 | .891** |
| | Sig. (2-tailed) | | .000 |
| | N | 35 | 35 |
| CD_KlonaB_≤ 26,79% | <i>Pearson Correlation</i> | .891** | 1 |
| | Sig. (2-tailed) | .000 | |
| | N | 35 | 35 |

Lampiran 40. Uji Korelasi *Pearson* Perlakuan Klona B dan Kelas Lereng (26,79% – 46,63%) Terhadap DBH >< Diameter Tajuk (CD)

| | | Correlations | |
|----------------------------|----------------------------|----------------------------|---------------------------|
| | | DBH_KlonaB_26,79% – 46,63% | CD_KlonaB_26,79% – 46,63% |
| DBH_KlonaB_26,79% – 46,63% | <i>Pearson Correlation</i> | 1 | .664** |
| | Sig. (2-tailed) | | .000 |
| | N | 35 | 36 |
| CD_KlonaB_26,79% – 46,63% | <i>Pearson Correlation</i> | .664** | 1 |
| | Sig. (2-tailed) | .000 | |
| | N | 35 | 35 |



PT. ITCI HUTANI MANUNGGAL

Base Camp. : Jl. 1519 Simpang Empat Terunen, Desa Bumi Harapan Kecamatan Sepaku, Kabupaten PPU
Kalimantan Timur, Telp. (0542) 840428, Fax. (0542) 840216

Bumi Harapan, 12 Agustus 2024

Nomor : 0066/L&D-IHM/VIII/2024
Lampiran : -
Tembusan : GM, HR, R&D
Perihal : Surat Keterangan Magang dan Penelitian

Dengan Hormat,

Bersamaan dengan surat ini, PT. Itci Hutani Manunggal menyatakan dengan sesungguhnya bahwa:

Nama : Ahmad Bahtiar Arofat
Nomor KTP : 3316090110020003

Mahasiswa dari Institute Pertanian STIPER Yogyakarta, Fakultas Kehutanan, dengan nomor mahasiswa 21551, Benar telah melakukan magang dan penelitiannya untuk kebutuhan skripsi dengan judul **Analisis Kompetisi Varietas (*Eucalyptus sp.*) Umur 25 Bulan Terhadap Perbedaan Kelas Lereng di PT. Itci Hutani Manunggal Kalimantan Timur** pada tanggal 1 Agustus 2023 – 25 Oktober 2023 di departemen Research & Development (R&D) PT. Itci Hutani Manunggal.

Demikian surat keterangan ini dibuat untuk dipergunakan dengan sebagaimana mestinya.

Hormat kami,

PT Itci Hutani Manunggal

