

## DAFTAR PUSTAKA

- Adhi, A.R., 2017. *Model Pertumbuhan Jati asal Kebun Benih Klon di KPH Ngawi*. Tesis Pascasarjana UGM. Yogyakarta.
- Assmann, E., 1970. *The Principles of Forest Yield Studies*. Pergamon Press, Oxford, 506 pp.
- Baker. 1975. *Principles of Silviculture*. McDraw-Hill Book Company. New York.
- Ball, J., Pandey, D. dan Hirai, S., 1999. Global Overview of Teak Plantations. *Site, Technology and Productivity of Teak Plantations*, pp.1–14.
- Bailey, R.L. dan Clutter, J.L., 1974. Base-age invariant polymorphic site curve. *Forest Sci* , 155-159.
- Bermejo, I., Canellas, I. dan San Miguel, A., 2004. Growth and yield models for teak plantations in Costa Rica, pp.97–110.
- Burkhardt, H.E. dan Tome, M., 2012. *Modeling Forest Trees and Stands*, New York: Springer Dordrecht Heidelberg.
- Calegario, N., R.F. Daniels, R. Maestri, R. Neiva. 2005. Modelling Dominant Height Growth Based on Non Linear Mixed Effect Model: a Clonal Eucalyptus Plantation Case Study. *Forest Ecology Management* (204): 11-20.
- Clutter, J.L., J.C. Fortson, L.V. Pinear, G.H. Brister, R.L. Bailey. 1983. *Timber Management: A Quantitative Approach*. John Wiley and Son, New York.
- Daniel, T.W., J.A. Helms., dan F.S Baker. 1987. *Prinsip-prinsip Silviculture (terjemahan)*. Gadjah Mada University Press. Yogyakarta.
- Davis, L.S. dan K.N Johnson. 1987. *Forest Management. Third Edition*. Mc Graw Hill Book Company. New York.
- Davis, L.S., K. Johnson, K. Norman, P.S. Bettinger, Howard, E. Theodore. 2001. *Forest Management*. McGraw-Hill, New York.
- Departemen Kehutanan. 1993. *Perancangan Studi Pertumbuhan dan Penyusunan Tabel Tegakan untuk Indonesia*. Badan Penelitian dan Pengembangan Kehutanan Bagian Proyek Research. Jakarta.
- Direktorat Jendral Kehutanan. 1976. *Vademecum Kehutanan Indonesia*. Departemen Pertanian. Jakarta.
- Draper, N.R., Smith, H., 1981. *Applied Regression Analysis*. John Wiley & Sons, pp. 8–42.
- Droessler, T.D. & Burk, T.E., 1994. Modeling individual tree growth using temporary plot records: evaluation of a non-parametric diameter distribution based method. *Forest Ecology and Management*, pp.325–338.

- Fang Z, dan Bailey R.L., 2001. Nonlinier mixed effects modelling for slash pine dominant height growth following intensive silvicultural treatments. *Forest Sci*, 287-300
- Foli, E.G., D. Alder., H.G. Miller, dan M. D. Swaine. 2003. Modelling Growing Space Requirements for some Tropical Forest Tree Species. *Forest Ecology and Management*, 79-88.
- Garcia, O., H. E. Burkhart dan R. L. Amateis. 2011. A Biologically-Consistent Stand Growth Model for Loblolly Pine in the Piedmont Physiographic Region, USA. *Forest Ecology Management* 262, 2035-2041.
- Haber, M., Longini, I.M., Cotsonis, G.A., 2017. Consistent Estimation of Site Index Curves Fitted to Temporary Plot Data. *International Biometric Society*, pp.163–173.
- Herningtyas, W. 2016. *Pertumbuhan dan Hasil Tegakan Jati Plus Perhutani di Seksi Perencanaan Hutan Madiun*. Tesis Pascasarjana UGM. Yogyakarta.
- Jayaraman, K. dan Zeide, B., 2007. Optimizing Stand Density in Teak Plantations. *Journal of Sustainable Forestry*, pp.1–22.
- Kitikidou, K., P. Petrou, E. Milios. 2012. Dominant Height Growth and Site Index Curves for Calabrian Pine (*Pinus brutia* Ten. ) in Central Cyprus. *Renewable and Sustainable Energy Review* (16): 1323-1329.
- Kramer P.J., dan Kozlowski T.T. 1960. *Physiology of Trees*. Mc Graw-Hill Book Company, New York
- Kollert, W. dan Cherubini, L., 2012. Teak resources and Market assessment 2010. , p.52.
- Laar, A. van dan Akca, A., 2007. *Forest Mensuration*, Springer Dordrecht Heidelberg, The Netherlands.
- Martawidjaya, A., Kartasujana, I., Kadir, K. dan Soewanda., A.P., 2005. *Atlas Kayu Indonesia Jilid I* 3rd ed., Bogor: Pusat Penelitian dan Pengembangan Kehutanan.
- Miranda, I., Vincelia, S., and Helena P., 2011. *Wood Properties of Teak (Tectona grandis) From a Mature Unmanaged Stand in East Timor*. The Japan Wood Research Society (2011) 57:171:178
- Monserud, R.A. 1984. Height growth and site index curves for inland Douglasfir based on stem analysis data and forest habitat type. *Forest Sci.* 30 (4), 943–965.
- Ng, F. S. P., 1999. The Development of the Tree Trunk in Relation to Apical Dominance and other Shoot Organisation Concepts. *Journal of Tropical Forest Science* , 11(1), pp. 270–285.
- Perez, D., 2008. Growth and volume equations developed from STEM analysis for *Tectona grandis* in Costa Rica. *Journal of Tropical Forest Science*, pp.66–75.

- Pérez, L.D.C. dan Kanninen, M., 2003. Heartwood, sapwood and bark content, and wood dry density of young and mature teak (*Tectona grandis*) trees grown in Costa Rica. *Silva Fennica*, 37(1), pp.45–54.
- Perhutani, 2011. *Monitoring dan Evaluasi Pengembangan Jati Plus Perhutani (JPP) di KPH Kendal*. Perum Perhutani KPH Kendal. Kendal.
- Perhutani, 2012. *Rekalkulasi tanaman JPP di KPH Madiun*. Perum Perhutani KPH Madiun
- Perhutani. 2013. *Revisi Penjarangan Tanaman 6x2*. Puslitbang Perhutani
- Perhutani, 2014. *Jati Plus Perhutani (JPP) Pohon Pioner*. BINA.Perhutani
- Perhutani. 2015. *Tipologi Tapak KPH Madiun*. Biroren Divre Jawa Timur
- Planck, N.R. Ver dan Macfarlane, D.W., 2014. Modelling vertical allocation of tree stem and branch volume for hardwoods. *Forestry*, pp.1–11.
- Pretzsch, H., 2009. *Forest Dynamics, Growth and Yield*, Berlin: Springer-Verlag Berlin Heidelberg.
- Prodan, M. 1968. *Forest Biometric*. Pergamon. Oxford-London
- Rodiana, D. 2013. *Pertumbuhan Pertanaman Jati Pada Perolehan Genetik di Perum Perhutani dan Karakteristik Tapak yang Mempengaruhinya*. Tesis Pascasarjana UGM. Yogyakarta.
- Sadono, R., R. Rachmadwiati dan N. Supriyatno. 2015. Preliminary Dominant Height Growth Model and Site Quality Class of Perhutani's Teak Plus from Clonal Seed Orchards in Madiun, Saradan and Ngawi Forest District, East Java, Indonesia. *Australian Journal of Basic and Applied Sciences* 9 (11): 559-566.
- Sadono R., A Nirwanawati, A. Murdjoko, A.B. Santosa, I. Rachman. 2014. Growing Space Estimation of Teak Through Dominant Family Approach at Progeny Trial in Ngawi Forest District. *Advances in Environmental Biology* 8(5): 1890-1896.
- Schultz, E.B., Iles, J.C., Matney, T.G., Ezell, A.W., Meadows, J.S., Leininger, T.D., Booth, W.C., dan Jeffreys, J.P., 2010. Stand-Level Growth and Yield Component Models for Red Oak–Sweetgum Forests on Mid-South Minor Stream Bottoms. *South. J. Appl. For.*, pp.161–175.
- Seth, S.K and J.S.P. Yadav. 1959. *Teak Soils*. Ind. For. 85: 2-16
- Sharma, M., Amateis, R.L. dan Burkhart, H.E., 2002. Top height definition and its effect on site index determination in thinned and unthinned loblolly pine plantations thinned and unthinned loblolly pine plantations. *Forest Ecology and Management*, pp.163–167.
- Simon, H. 1993. *Hutan jati dan Kemakmuran*. Aditya Media. Yogyakarta.
- Simon, H. 2007. *Metode Inventore Hutan*. Pustaka Pelajar. Yogyakarta.

- Soekotjo, 2009. Teknik Silvikultur Intensif: *Disampaikan pada Malam Orasi Penerima Anugerah Hamengku Buwono IX Dies Natalis ke-60 Universitas Gadjah Mada*.
- Spurr, S.H. 1952. *Forest Inventory*. 1st Edition. Ronald Press, New York, 476 pp.
- Suhendang, E. 1990. Hubungan antara dimensi tegakan hutan tanaman dengan faktor tempat tumbuh dan tindakan silvikultur pada hutan tanaman *Pinus merkusii* Jungh. *et de Vriese* di Pulau Jawa [Disertasi]. Fakultas Pascasarjana. Institut Pertanian Bogor.
- Sumarna, Y. 2002. *Budi Daya Jati*. Penebar Swadaya. Jakarta.
- Sumadi A., Azwar F., Muara J. 2006. Pemodelan Penduga Volume Pohon Pulau Darat. *Jurnal Penelitian Hutan Tanaman*. Vol.3 (2):73-81
- Sumarni, G dan M. Muslich. 2008. Kelas Awet Jati Cepat Tumbuh Dan Jati Konvensional Pada Berbagai Umur Pohon. *Jurnal Penelitian Hasil Hutan* 26 (4): 342-351.
- Tewari, D.N., 1992. *A Monograph on Teak (Tectona grandis L.f.)*. International Book Distributors, Dehra Dun, India.
- Tewari, V.P., Álvarez-gonzález, J.G. dan García, O., 2014. Developing a dynamic growth model for teak plantations in India. , pp.1–11.
- Toochi, E.C., Nwaigbo, L.C. dan Toochi, I., 2016. Forest Environmental Inventory: Assessment of Site Index Parameter of Uneven Aged Plots of *Tectona Grandis* ( f . linn ) in a Forest Reserve. , pp.126–130.
- Toochi, E.C., Nwaigbo, L.C. & Toochi, I., 2016. Forest Environmental Inventory: Assessment of Site Index Parameter of Uneven Aged Plots of *Tectona Grandis* ( f . linn ) in a Forest Reserve. , 3(1), pp.126–130.
- Torres, D.A., del Valle, J.I. dan Restrepo, G., 2012. Site index for teak in Colombia. *Journal of Forestry Research*, pp.405–411.
- Troup, R.S., 1921. *The Silviculture of Indian Trees*. vol. II. Oxford University Press.
- Twery, M.J., Rauscher, M.J., Bennett, H.M., Thomasma, D.J, Stout, S.A., Palmer, S.L., Hoffman, J.F., DeCalesta, R.E., Gustafson, D.S., Cleveland, E., Grove, H., Nute, J., Kim, D., Kollasch, G. dan Peter, R., 2000. NED-1: Integrated Analyses For Forest Stewardship Decisions. *Computers and Electronics in Agriculture*, pp.167–193.
- Upadhyay, A., Eid, T. dan Sankhayan, P.L., 2005. Construction of site index equations for even aged stands of *Tectona grandis* (teak) from permanent plot data in India. *Forest Ecology and Management*, pp.14–22.
- Zeide, B., 2004. Optimal stand density: a solution. *Canadian Journal of Forestry Resources*, pp.846-855.
- Zeide, K.J.& B., 2007. Optimizing Stand Density in Teak Plantations. *Journal of Sustainable Forestry*, pp.1–22.