

DAFTAR PUSTAKA

- Alhamd, L., and Rahajoe, J.S., 2013. Species composition and above ground biomass of a pine forest at Bodogol, Gunung Gede Pangrango National Park, West Java. *J. Trop. Biol. Conserv.* 10, 43–49.
- Backmund, F. 1966. *Kennzahlen für den Grad der Erschliessung von Forstbetrieben durch auto fahrbare Wege*. Forstwissenschaftliches Centralblatt 85. Jahrgang, Verlag Paul Parey, Hamburg und Berlin.
- Bendz, M. and Ake, Jarvholm. 1970. *Logging and Transportation Tropical High Forest*. Stockholm.
- Budiman, A. dan Herayana. 2013. Assesment of forest road network alternatives for pine resin. *Jurnal Manajemen Hutan Tropika*, 1, 23-30.
- Cahyono, S.A. 2012. *Faktor-faktor Yang Mempengaruhi Petani Menyadap Pinus di Kawasan Hutan Dengan Tujuan Khusus (KHDTK) Gembong*. Tekno Hutan Tanaman 4 (2), 49–56. Badan Penelitian dan Pengembangan Kehutanan. Kementrian Kehutanan. Bogor
- Departemen Kehutanan dan Perkebunan. 1999. *Undang-undang Nomor 41 Tahun 1999 tentang Kehutanan*. Jakarta: Dephutbun.
- Dharmawan, K. 2004. *Optimasi Jumlah Pohan Sadapan bagi Penyadap untuk Meningkatkan Produktivitas Penyadapan Getah Pinus di KPH Kedu Selatan*

PT. Perhutani Unit 1 Jawa Tengah [Skripsi]. Bogor. Fakultas Kehutanan,
Institut Pertanian Bogor.

Dietz, P., W. Knigge., and H, Loeffler. 1984. *Walderschliessung*. Verlag Paul
Parey. Hamburg und Berlin.

Elias. 2002. *Reduced Impact Logging*. Bogor: IPB Press.

Elias. 2008. *Pembukaan Wilayah Hutan*. Edisi I. Bogor: IPB Press.

Elias. 2012. *Pembukaan Wilayah Hutan*. Edisi II. Bogor: IPB Press.

FAO. 1974. *Logging and Log Transport in Tropical High Forest*. FAO Forestry
Development Paper no.18. Rome, Italy.

FAO. 2017 *Guide for Planning, Construction and Maintenance of Forest Roads*.
United Nations.

G. v. Segebenden. 1964. *Studies of Cross-Country Transport Distances and Road
Net Extension*. STudia Forestalia Suecica Nr. 18. Skogsoekolan, Stockholm.

Hadiyane, A., Sulistyawati, E., Asharina, W., and Dungani, R. 2015. A study on
production of resin from *Pinus merkusii* Jungh. et de Vriese in the Bosscha
observatory area, West Java-Indonesia. *Asian J. Plant Sci.* 14, 89–93.

Hayati, E., Majnournian, B., Abdi, E. 2013. Qualitative evaluation and
optimization of forest road network to minimize total costs and perspective.
Croatian Journal of Forest Engineering, 38 (2), 155-173.

Heinimann, H.R. 2017. Forest road network and transportation engineering state and perspectives. *Croatian Jurnal of Forest Engineering*, 38 (2), 155-173.

Idris, M.M dan Soenarno. 1987. *Teknik Eksploitasi Hutan Rawa. Makalah Penunjang pada Diskusi Pemanfaatan Kayu Kurang Dikenal. Tanggal 14 Januari 1987, di Cisarua-Bogor*. Penyelenggara Badan Penelitian dan Pengembangan Kehutanan, Departemen Kehutanan Republik Indonesia.

Lopes, E.S., Machado, C.C., and Souza, A.P. 2002. Classification and Costs of Roads in Planted Forests in Southeastern Brazil. *Revista Árvore. Vicosa. Vol. 26. No. 3. Hal. 329-338*.

Machado, C.C. 2013. *Construction and Conservation of Rural and Forest Roads*. Vicosa: UFV. 441 p.

Matthews, D.M. 1942. *Cost Control in The Logging Industry*. Mc. Graw Hill Book Company, Inc. New York. London.

Parsakhoo, *et al.* 2010. *Forest roads Planning and Construction in Iranian Forestry*, Department of Forestry, Faculty of Natural Resources, Sari Agricultural Sciences and Natural Resources University, Sari. Iran.

Sallata KM. 2013. Pinus (*Pinus merkusii* Jungh et de Vriese) dan Keberadaanya di Kabupaten Tana Toraja, Sulawesi Selatan. *Info Teknis Eboni* 10(2), 85 – 98.

Sandri, Y., Maideliza, T., Mansyurdin, dan Febriamansyah, R., 2016. Kajian Anatomi Kayu pada Tiga Ekotipe Pinus merkusii Sumatera dan Potensinya sebagai Indikator Perubahan Iklim. *J. Metamorf. III*, 103–111.

Souza, C.M.G. 2011. *Optimal Road Density for Teak Stands (Tectona grandis Lf) in The State of Mato Grosso*. 55 p. Dissertation (Master in Forestry and Environmental Sciences) - Federal University of Mato Grosso, Cuiabá.

Souza., F.L., Sampietro, J.A., Dacoregio, H.M., Soares, P.R.C., Lopes, E.S., and Quadros, D.S. 2018. *Optimum and Acceptable Forest Road Density in Pine Harvesting for Cut to Length and Full Tree Systems*. *Scientia Forestalis*. XLVI. 118. pg 189-198.

Supriyatno, N. 2012. *Buku Ajar Keteknikian Hutan*. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Zagonel, R., Correa, C.M.C., and Malinovski, J.R. 2008. Optimal Density of Forested Roads in Areas of Flat Relief in Pinus taeda L. Stands on The Santa Catarina plateau. *Scientia Forestalis, Piracicaba*, v. 36, n. 77, p. 33-41.