

Daftar Pustaka

- Agarwal, C., Green, G.M., Grove, J.M., Evans, T.P., & Schweik, C.M. (2002). A Review and Assessment of Land-Use Change Models: Dynamics of Space, Time, and Human Choice, *Apollo The International Magazine Of Art And Antiques*, 62. <http://doi.org/10.1289/ehp.6514>.
- Ahmad, A., Saleh, M.B. dan Rusolono, T. (2016). Model Spasial Deforestasi di KPHP Poigar, Provinsi Sulawesi Utara, *Jurnal Penelitian Kehutanan Wallacea*, Vol 5 Issue 2: 159-169.
- Apan, A.A. and Peterson, J.A. (1998). Probing Tropical Deforestation: The Use of GIS and Statistical Analysis of Georeferenced Data, *Applied Geography*, 18(2): 137-152.
- Arnold, L.L., 2008, Deforestation in Decentralised Indonesia: What's Law Got to Do with it? *Law Environmental and Development Journal*, 4(2), 75-101.
- Arowolo, A. Deng, X., Olatunji, O.A., Obayelu A.E. (2018). Assessing changes in the value of ecosystem services in response to land-use/land-cover dynamics in Nigeria. *Science of the Total Environment* (636) 2018
- Azizi, Z., Najafi, A., and Sohrabi, H. (2008). Forest Canopy Density Estimating Using Satellite Images, *The International Archive of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Vol XXXVII. Part B 8. Beijing; 2008.
- Bavaghar, M.P. (2015). Deforestation Modelling using Logistic Regression and GIS. *Journal of Forest Science*, 61(5):193–199. <http://dx.doi.org/10.17221/78/2014-JFS>
- Beckers, V., Beckers J., Vanmaercke, M. Van Hecke, E. Van Rompaey, A., and Dendonker, N. (2018). Modelling Farm Growth and Its Impact on Agricultural Land Use. A Country Scale Application of an Agent-Based Model. *Land* 7 (3), 109
- Benenson, I. and Torrens, P. (2004). *Geosimulation: automata-based modeling of urban phenomena*. John Wiley & Sons, New York, USA.
- BBKSDA-Balai Besar Konservasi Sumber daya Alam NTT. (2018). *Profil Cagar Alam Mutis Timau*. Dimuat dalam <http://bbksdannt.menlhk.go.id/kawasan-konservasi/ca/ca-mutis/profil-ca-mutis-timau>, diakses 05 Mei 2019
- BMKG–Badan Meteorologi, Klimatologi dan Geofisika. (2019). *Data Online – Pusat Database - BMKG*. Dimuat dalam: dataonline.bmkg.go.id/home, diakses 11 Mei 2019.
- Bonabeau E (2002). Agent-Based Modeling: Methods and Techniques for Simulating Human Systems. *PNAS* 99(2): 7280 – 7287
- Bos, A.B. (2013). *To see the Forest for the Trees: Understanding drivers and processes involved in deforestation and modelling forest change dynamics in central Vietnam*. Master thesis. ITC/UTwente – Utrecht University – Wageningen University.
- Boserup, E. (1965). *The Conditions of Agricultural Growth*. Aldine, Chicago
- Bounfour, A. and Lambin, E.F. (1999). How valuable is remotely sensed information? The case of tropical deforestation modeling. *Space Policy*, 15(3):149-158
- BPK Kupang - Balai Penelitian Kehutanan Kupang. (2010). *Kandungan Karbon di Kawasan Hutan Gunung Mutis*. Laporan Hasil Penelitian BPK Kupang. Kupang
- BPK Kupang - Balai Penelitian Kehutanan Kupang. (2013). *Kajian Valuasi Potensi dan Kelembagaan KPHL Mutis*, Laporan Hasil Penelitian BPK Kupang, Kupang.
- BPS – Badan Pusat Statistik. (2016). *Persentase Rumah Tangga Menurut Provinsi dan Bahan Bakar Utama untuk Memasak Tahun 2001, 2007-2016*. Dimuat dalam <https://www.bps.go.id/statictable/2014/09/10%2000:00:00/1364/persentase-rumah-tangga-menurut-provinsi-dan-bahan-bakar-utama-untuk-memasak-tahun-2001-2007-2016.html>, diakses pada 5 Mei 2019.
- BPS TTS. (2017). *Kabupaten Timor Tengah Selatan Dalam Angka tahun 2017*. BPS Kabupaten TTS. Soe, NTT.

- BPS TTU. (2017). *Kabupaten Timor Tengah Selatan Dalam Angka tahun 2017*. BPS Kabupaten TTU. Kefamenanu, NTT.
- Briassoulis, H. (2000). *Analysis of land use change: theoretical and modelling approaches*. The Web Book of Regional Science (ed. S. Loveridge). Regional Research Institute, West Virginia University. Dimuat dalam <http://www.rri.wvu.edu/WebBook/Briassoulis/contents.htm>, diakses 11 Mei 2018.
- Broich, M., Hansen, M., Stolle, F., Potapov, P., Margono, B.A. and Adusei, B. (2011). Remote sensed forest cover loss showed high spatial and temporal variation across Sumatera and Kalimantan, Indonesia 2000-2008. *Environmental Research Letter*, 6.
- BSN – Badan Standardisasi Nasional. (2010). *Klasifikasi penutup lahan*. Badan Standardisasi Nasional. Jakarta
- Burgess, R., Hansen, M., Olken, B. A., Potapov, P., & Sieber, S. (2011). The Political Economy of Deforestation in the Tropics. *NBER Working Paper Series*, 17417.
- Candrashekhar, B.M., Saran, S., Raju, P.L.N. and Roy, P.S. (2005). Forest Canopy Density Stratification: How relevant is Biophysical Spectral Response Modeling Approach? *Geocarto International*, Vol. 20, No.1. <http://dx.doi.org/10.1080/10106040508542332>.
- Castella, J., & Verburg, P. H. (2007). Combination of process-oriented and pattern-oriented models of land-use change in a mountain area of Vietnam. *Ecological Modelling* 202: 410–420. <http://doi.org/10.1016/j.ecolmodel.2006.11.011>
- Chakravarty, S., Ghosh, S., & Suresh, C. (2011). Deforestation: Causes, Effects and Control Strategies. In D. D. C. A. Okia (Ed.), *Global Perspectives on Sustainable Forest Management* (pp. 3–29). <http://doi.org/10.5772/33342>
- Chayanov. (1966). *The Theory of Peasant Economy*. [1925]. The University of Wisconsin Press, Madison, Wisconsin
- Chowdhury, R.R. (2006). Driving forces of tropical deforestation: The role of remote sensing and spatial models. *Singapore Journal of Tropical Geography* 27: 82–101
- Coe, M.T., Marthews, T.R, Costa, M.H. (2013). Deforestation and climate feedbacks threaten the ecological integrity of south–southeastern Amazonia. *Phil Trans R Soc B* 368: 20120155. <http://dx.doi.org/10.1098/rstb.2012.0155>
- Congalton, R.G., and K. Green. (1999). *Assessing the accuracy of remotely sensed data: Principles and practice*. Lewis Publishers, New York.
- Congalton, R.G. (1996). *Accuracy Assessment: A Critical Component of Land Cover Mapping. Gap Analysis*. American Society for Photogrammetry and Remote Sensing.
- Culas, R.J. (2012). REDD and forest Transition: Tunneling through the environmental Kuznets. *Ecological Economisc*. 79:44-51
- Cushman S.A., MacDonald E.A, Landguth E.L., Mahli, Y. and MacDonald, D.W. (2017). Multiple-scale prediction of forest loss risk across Borneo. *Landscape Ecol* (2017) 32:1581–1598
- Dako, F.X., Purwanto, R.H, Farida, L.R.W and Sumardi. (2019). Kerusakan antropogenik kawasan lindung Mutis Timau dan Upaya Penanggulangannya di Pulau Timor Barat. *Journal of Natural Resources and Environment Management* 9 (2): 437-455
- De Sy, V., Herold, M., Achard, F., Asner, G.P., Held, A., Kellndorfer, J., Verbesselt, J. (2012). Synergies of multiple remote sensing data sources for REDD+ monitoring. *Curr. Opin. Environ. Sustain.* 4, 696–706.
- De Vries, B. (2015). *Monitoring tropical forest dynamics using Landsat time series and community-based data*. PhD thesis, Wageningen University, Wageningen, NL. 170 pages.

- Deadman, P., Robinson, D., Moran, E. and Brondizio, E. (2004). Colonist household decision making and land use change in the Amazon Rainforest: an agent-based simulation. *Environmental and Planning B: Planning and Design*, Vol. 31: 693-709
- Deka, J., Tripathi, O.P. and Khan, M.L. (2013). Implementation of Forest Canopy Density Model to Monitor Tropical Deforestation. *Journal Indian Society Remote Sensing*, 41(2): 469-475, <http://dx.doi.org/10.1007/s12524-012-0224-5>.
- Direktorat IGRK dan MPV – Direktorat Inventarisasi Gas Rumah Kaca dan Monitoring, Pelaporan, dan Verifikasi. (2017). *Pedoman Pengukuran, Pelaporan, dan Verifikasi (Measurement, Reporting, and Verification) REDD+ Indonesia*. Kementerian Lingkungan Hidup dan Kehutanan, Jakarta.
- Direktorat IPSDH. (2019). *Basis Data Geospasial 2019*. Kementerian Lingkungan Hidup dan Kehutanan, Jakarta, Indonesia.
- Dwarakish, G. S., Ganasri, B. P., & De Stefano, L. (2015). Impact of land use change on hydrological systems: A review of current modeling approaches Public Interest Statement. *GIS Applications of International Journal of Earth Sciences and Engineering and Editor of Aquatic Procedia Ms. B.P. Dwarakish & Ganasri Cogent Geoscience*, 1(1), 1115691–1115691. <http://doi.org/10.1080/23312041.2015.1115691>
- Eghenter, C. (2000). *Mapping Peoples ' Forests: The Role of Mapping in Planning Community-Based Management of Conservation Areas in Indonesia*. Washington DC.: Biodiversity Support Program (BSP).
- Ellis, F. (2000). *Rural livelihoods and Diversity in Developing Countries*. Oxford University Press. Oxford
- Elz, I., Tansey, K., Page, S.E. and Trivedi, M. (2015). Modelling Deforestation and Land Cover Transition of Tropical Peatland in Sumatra, Indonesia Using Remote Sensed Land Cover Data Set. *Land*, 4 : 670-687; <http://dx.doi.org/10.3390/land4030670>.
- ERDAS. (2013). ERDAS Imagine 2013. Hexagon Geospatial, Peachtree Corners Circle Norcross
- ESRI - Environmental Systems Research Institute. (2016) *ArcGIS Release 10.4.1*. Redlands, CA.
- FAO – Food and Agriculture Organization. (1995). *Forest Resources Assessment 1990. Global Synthesis*. FAO, Rome
- FAO. (2001). *Global Forest Resources Assessment 2000: term and definition*. FAO, Rome
- FAO. (2010). *Global Forest Resources Assessment 2010: term and definition*. FAO Working Paper 144/E. Food and Agriculture Organization (FAO) of the United Nation (UN), Rome.
- FAO. (2011). *Assessing forest degradation, Towards the development of globally applicable guidelines*. FAO Working Paper 177. Food and Agriculture Organization (FAO) of the United Nation (UN).
- FAO. (2016). *Global Forest Resources Assessment 2015*. Rome: FAO.
- FAO. (2018). *The State of the World's Forests 2018 - Forest pathways to sustainable development*. Rome, available online at: <http://www.fao.org/3/I9535EN/i9535en.pdf>
- FAO. (2020). *Global Forest Resources Assessment 2020*. Rome: FAO.
- Farida, W.R., Triono, T., Handayani, T.H., Ismail. (2005). Pemilihan Jenis Tumbuhan Sumber Pakan dan Tempat Bersarang Kuskus (Phalanger sp.) di Cagar Alam Gunung Mutis, NTT. *Biodiversitas*, Vol 6, No.1, Hal. 50-54. <http://dx.doi.org/10.13057/biodiv/d060110>.
- Firdaus, R. (2014). *Assessing Land Use and Land Cover Change toward Sustainability in Humid Tropical Watersheds, Indonesia Assessing Land Use and Land Cover Change toward Sustainability in Humid Tropical Watersheds, Indonesia*. Doctoral Dissertation. Hiroshima University. Japan.

- Fisher, L.M., (1998). Cattle, Cockatoos, Chameleons and Ninja Turtles: Seeking Sustainability in Forest Management and Conservation in Nusa Tenggara, Indonesia. *International CBNRM Workshop*. Washington D.C.
- Fisher, L., Moeliono, I. and Wodicka, S. (2003). The Nusa Tenggara Upland, Indonesia: Multiple-site lessons in conflict management. In D. Buckles (Ed.), *Cultivating Peace - Conflict and Collaboration in Nature Resources Management* (p. 300pp). Ottawa, Canada: International Development Research Center (IDRC).
- Fuller, D.O, Meijaard, E.M, Christy, L. and Jessup, T.C. (2010). Spatial Assessment of threats to biodiversity within East Kalimantan, Indonesia. *Applied Geography*, 30: 416-425. <http://dx.doi.org/10.1111/j.1467-9493.2006.00235.x>
- FWI – Forest Watch Indonesia. (2001). *Keadaan Hutan Indonesia*. Bogor, Indonesia: Forest Watch Indonesia dan Washington D.C.: Global Forest Watch
- FWI. (2003). *Pemetaan Land Use Land Cover (LULC) dari Penginderaan Jauh Landsat7 ETM+ untuk Wilayah Mamberamo dan Raja Ampat Provinsi Papua*. Laporan Proyek, Kerjasama: FWI, Baplan-Departemen Kehutanan dan Conservation International Indonesia-Papua Program, Bogor
- FWI & CIFOR. (2006). *Analisis Kondisi Tutupan Hutan di Papua dan Irian Jaya Barat Sebagai Salah Satu Langkah untuk Mendukung Pengelolaan Hutan Alam dan Pembatasan Konflik di Sektor Kehutanan*. Laporan Updating Landcover Mapping Papua, Kerjasama: FWI-Bogor dan CIFOR, Bogor.
- Gaveau, D.L.A., Wandono, H. and Setiabudi, F. (2007). Three decades of deforestation in Southwest Sumatra: Have protected area halted forest loss and logging, and promoted re-growth? *Biological Conservation*, 134: 495-504.
- Gaveau, D.L.A., Linkie, M., Suyadi, Levang, P. and Leader-Williams, N. (2009). Three decades of deforestation in southwest Sumatra: Effects of coffee prices, law enforcement and rural poverty. *Biological conservation*, 142: 597-605. <http://dx.doi.org/10.10016/j.biocon.2008.11.024>.
- Geist, H.J. and Lambin, E.F. (2001) *What Drives Tropical Deforestation? A Meta-Analysis of Proximate and Underlying Causes of Deforestation Based on Subnational Case Study Evidence*. LUCC International Project IV. International Human Dimensions Programme on Global Environmental Change (IHDP) V. International Geosphere-Biosphere Programme (IGHP) VI. LUCC Report Series 4, pp 1-116
- Geist, H..J. and Lambin, E.F. (2002). Proximate Causes and Underlying Driving Forces of Tropical Deforestation. *BioScience*, 52 (2), 142-150.
- Geoghegan, J., Pritchard jr, L., Himmelberger, Y.O., Chowdhury, R.R., Sanderson, S. and Turner II, B.L. (1998). “Socializing the Pixel” and “Pixelizing the Social” in Land-Use and Land-Cover Change. In *People and Pixels: Linking Remote Sensing and Social Science*, Liverman, D., Moran, E.F., Rindfuss, R.R. and Stearn, P.C. (Eds). National Academy Press. Washington. <http://doi.org/10.17226/5963>
- Getahun, K., van Rompaey, A., van Turnhout, P. and Poesen, J. (2013). Factors controlling patterns of deforestation in moist evergreen Afrotropical forest of Southwest Ethiopia. *Forest Ecology and Management* 304 (2013): 171 - 181
- Goldewijk, K.K. & Ramankutty, N. (2004). Land Use Changes during the Past 300 Years. *Encyclopedia of Life Support Systems (EOLSS)*, I.
- Goody, J. (1969). The Fission of Domestic Groups among the LoDagaba. In *The Development Cycle in Domestic Groups*, Goody, J. (Ed). Cambridge University Press.
- Government of Republic of Indonesia. (2002). *National Action Programme (NAP) for combatting land degradation in Indonesia: in relation to United Nation Convention to Combat Desertification (UNCCD)*. The Ministry of Forestry. Jakarta. Dalam: <https://knowledge.unccd.int/sites/default/files/naps/indonesia-eng2002.pdf>.

- Government of Republic of Indonesia. (2015). *Indonesia – Land Degradation Neutrality National Report*. The Ministry of Forestry. Jakarta.
https://knowledge.unccd.int/sites/default/files/inline-files/indonesia_ldn_country_report.pdf, diakses pada 30 August 2019
- Graham, S. (2004). *From 'Timor Koepang' to 'Timor NTT': A Political History of West Timor, 1901-1967*. PhD Thesis. Charles Darwin University. Australia
- Grimm, V. and Railsbacks, S.F. (2005). *Individual-based Modelling and Ecology*. Princeton University Press, Princeton-New Jersey.
- Grimm, V., Berger, U., Bastiansen, F., Eliassen, S., Ginot, V., Giske, J., Goss-custard, J., Grand, T., Heinz, S.K., Huse, G., Huth, A., Jepsen, J.U., Jørgensen, C., Mooij, W.M., Muller, B., Peer, G., Piou, C., Railsback, S.F., Robbins, A.M., Robbins, M.M., Rossmanith, E., Ruger, N., Strand, E., Souissi, S., Stillman, R.A., Vabø, R., Visser, U. and Deangelis, D.L. (2006). A Standard Protocol for Describing Individual-Based and Agent-Based Models. *Ecological Modelling*, 198, 115-126.
- Grimm, V., Berger, U., Deangelis, D.L., Polhill, J.G., Giske, J. and Railsback, S.F. (2010) The ODD Protocol: A Re- view and First Update. *Ecological Modelling*, 221, 2760-2768.
- Hadi, F., Wikantika, K., Sumarto, I. (2004). Implementation of Forest Canopy Density Model to Monitor Forest Fragmentation in Mt. Simpang and Mt. Tilu Nature Reserves, West Java, Indonesia. *Indonesian FIG Regional Conference*, 3-7 Oktober 2004.
- Haggith, M., Iv, S., Muetzelfeldt, R.I. & Taylor, J. (2003). Modelling Decision-making in Rural Communities at the Forest Margin. *Small-scale Forest Economics, Management and Policy*, 2(2): 241–258.
- Hajj, M.E., Begue, A., Lafrance, B., Hagolle, O., Dedieu, G. and Rumeau. (2008). Relative Radiometric Normalization and Atmospheric Correction of a SPOT 5 time series. *Sensors*, 8, 2774-2791. <http://dx.doi.org/10.3390/s8042774>.
- Haliuc, A., Feurdean, A., Mindrescu, M., Frantiuc, A. and Hutchinson, S.M. (2018) Impact of forest loss in the eastern Carpathian Mountain: linking remote sensing and sediment changes in a mid-altitude catchment (Red lake, Romania). *Regional Environmental Change*. <http://doi.org/10.1007/s10113-018-1416-5>
- Harper, K.A., Macdonald, S.E., Burton, P.J., Chen, J. (2005) Edge Influence on Structure and Composition in Fragmented Landscapes. *Conservation Biology*, 19: 768–782.
- Hersperger, A.M., Gennaio, M.P., Verbarg, P.H., & Bürgi, M. (2010). Linking land change with driving forces and actors : Four conceptual models. *Ecology and Society*, 15(4), 1–19.
- Hosmer, D.W. and Lemeshow, S. (2000). *Applied Logistic Regression* (2nd Edition ed.). Canada: John Wiley and Sons, Inc.
- Hosonuma, N., Herold, M., De Sy, V., De Fries, R.S., Brockhaus, M., Verchot, L., Angelsen, A. and Romijn, E. (2012). An Assessment of deforestation and forest degradation drivers in developing countries. *Environmental Research Letter*, 7 (2012) 044009. <http://dx.doi.org/10.1088/1748-9326/7/4/044009>.
- Howell, S. and Bastiansen, E. (2015). *REDD+ in Indonesia 2010–2015: Report of a Collaborative Anthropological Research Programme*. Department of Social Anthropology University of Oslo. Norwegia. pp 1-25
- Hoyos, L., Cabido, M. and Cingolani, A. (2018). A multivariate approach to study drivers of land-cover changes through remote sensing in the Dry Chaco of Argentina. *ISPRS International Journal of Geo-Information*, 7(5), 170. <http://dx.doi.org/10.3390/ijgi7050170>

- Htun, N.Z., Mizoue, N. and Yoshida, S. (2013). Changes in Determinants of Deforestation and Forest Degradation in Popa Mountain Park, Central Myanmar. *Environmental Management*, 51: 423–434. <http://dx.doi.org/10.1007/s00267-012-9968-5>.
- Huettner, M., Lemans, R., Kok, K., and Ebelling, J. (2009). A comparison of baseline methodologies for 'Reducing Emissions from Deforestation and Degradation'. *Carbon Balance and Management*, (4):4. <http://dx.doi.org/10.1186/1750-0680-4-4>.
- IBM Corp. (2015) *IBM SPSS Regression 23*. Armonk, NY: IBM Corp. Dalam: ftp://public.dhe.ibm.com/software/analytics/spss/documentation/statistics/23.0/en/client/Manuals/IBM_SPSS_Regression.pdf, diakses pada 01 Maret 2019.
- Indarto, J. and Mutaqin, D.J. (2016). An Overview of Theoretical and Empirical Studies on Deforestation. *Journal of International Development and Cooperation*, 22 (1 & 2), 107-120.
- Internasional Crisis Group. (2010). *Timor Leste: Oecusse and the Indonesian Border*. Policy Briefing, Asia Briefing N 104. Dilli/ Brussels
- ITTO – International Tropical Timber Organization. (2002). *ITTO Guidelines for the Restoration, Management and Rehabilitation of Degraded and Secondary Tropical Forests*. ITTO Policy Development Series No. 13. Yokohama.
- Jensen, J. (2005). *Introductory Digital Image Processing: A Remote Sensing Perspective* (3rd ed.). Upper Saddle River, NJ: Pearson Education, Inc.
- Junior, O.A.C., Guimaraes, R.F., Silva, N.C., Gillespie, A.R., Gomes, R.A.T., Silva, C.R. and Carvalho, A.P.F. (2013). Radiometric Normalization of Temporal Images Combining Automatic Detection of Pseudo-Invariant Features from the Distance and Similarity Spectral Measures, Density Scatterplot Analysis and Robust Regression. *Remote Sensing*, 5, 2763-2794. <http://dx.doi.org/10.3390/rs5062763>.
- Kaimowitz, D., & Angelsen, A. (1998). *Economic Models of Tropical Deforestation A Review*. *Environment and Development Economics* (Vol. 6). <http://doi.org/10.17528/cifor/000341>
- Kanade, R. and John, R. (2018). Topographical influence on recent deforestation and degradation in the Sikkim Himalaya in India; Implications for conservation of East Himalayan broadleaf forest. *Applied Geography* 92(2018) 85-93. <http://doi.org/10.1016/j.apgeog.2018.02.004>
- King, K.L. and Locke, D.H. (2013). A Comparison of Three Methods for Measuring Local Urban Tree Canopy Cover. *Arboriculture & Urban Forestry*, 39 (2): 62-67.
- Kissinger, G., Herold, M. and De Sy, V. (2012). *Drivers of Deforestation and Forest Degradation: A Synthesis Report for REDD+ Policymakers*. Lexeme Consulting, Vancouver Canada. pp 1–46
- KLHK - Kementerian Lingkungan Hidup dan Kehutanan. Direktorat Jenderal Pengendalian Perubahan. Direktorat Inventarisasi GRK dan Monitoring, Pelaporan, Verifikasi (2018). Laporan Inventarisasi Gas Rumah Kaca, Monitoring, Pelaporan, dan Verifikasi Nasional Tahun 2017
- Koomen, E. and Stillwell, J. (2007). Modelling land use: Theories and methods. In *Modelling Land-Use Change: Progress and Applications*, Koomen, E., Stilwell, J., Bakema, A., and Scholten, H.J. (Eds.). *GeoJournal Library*, 90: 1-21.
- KPHL Mutis Timau. (2012). *Rencana Pengelolaan KPHL Mutis Timau*. KPHL Mutis Timau. Dinas Kehutanan Provinsi NTT. Kupang
- Kucsisca, G. and Dumitrica C. (2019). Spatial modelling of deforestation in Romanian Carpathian Mountains using GIS and Logistic Regression. *J. Mt. Sci.* (2019) 16(5): 1005-1022

- Kurniadi, R. dan Rumboko, L. (2015). Implementasi Kebijakan Silvopastur di Cagar Alam Gunung Mutis dan Perlawanan Masyarakat Lokal. *Jurnal Ilmu Sosial Politik* Vol. 19, No.2.
- Kurniadi R., Purnomo, H., Wijayanto, H., and Fuah, A.M. (2017). Model Pengelolaan Ternak di Sekitar Hutan Gunung Mutis dan Dampaknya terhadap Kelestarian Hutan. *Jurnal Ilmu Kehutanan*, 11 (2017): 156-172
- Kurniawan, M. dan Subandono, E. (2018). *Tabukan Cagar Alam Mutis Berubah Fungsi?* Balai Besar Konservasi Sumber Daya Alam NTT. Kupang.
- Kuznets, S. (1955). *The American Economic Review*, Vol. 45, No. 1, pp. 1-28
- Lambin, E. F. (1994). Modelling Deforestation Processes: A review. *International Journal of Remote Sensing*, 17(5), 132. <http://doi.org/10.1080/01431169608949066>
- Lambin, E.F. (1999). Monitoring forest degradation in tropical regions by remote sensing: some methodological issues. *Global Ecology and Biogeography Letters*, 8, 191–198
- Le, Q.B. (2005) *Multi-agent system for simulation of land-use and land cover change: a theoretical framework and its first implementation for an upland watershed in the Central Coast of Vietnam*. Ecology and Development Series 29. Cuvillier Verlag Gottingen, Gottingen.
- Le, Q.B., Park, S.J., Vlek, P.L.G., Cremers, A.B. (2008). Land use dynamic simulator (LUDAS): a multi-agent system model for simulating spatio-temporal dynamics of coupled human–landscape system. 1. Structure and theoretical specification. *Ecological Informatics* 3 (2), 135–153
- Le, Q.B., Park, S.J. and Vlek, P.L.G. (2010). Land Use Dynamic Simulator (LUDAS): A multi-agent system model for simulating spatio-temporal dynamics of coupled human–landscape system. 2. Scenario-based application for impact assessment of land-use policies. *Ecological Informatics*, 5: 203-221
- Lentz, C., Malo, M. and Bowe, M. (1998). Environmental Management in Gunung Mutis. *International Association for the Study of Common Property*, 10-14 June. Vancouver, Canada.
- Ligtenberg, A., van Iammeren, R., Breght, A. and Beulens, A.J.M. (2010). Validation of an agent-based model for spatial planning: A role-playing approach. *Computer Environment and Urban Systems* 34 (5): 424-434
- Lillesand, T.M., Kiefer, R.W. and Chipman, J.W. (2004). *Remote Sensing and Image Interpretation* (5th ed.). Hoboken, NJ: John Wiley & Sons, Inc.
- Lim, K., Deadman, P., Moran, E., Brondizio, E., & McCracken, S. (2002). Agent-Based Simulations of Household Decision Making and Land Use Change near Altamira, Brazil. In *Integrating Geographic Information Systems and Agent-Based Modeling Techniques for Simulating Social and Ecological Processes* (pp. 277–310).
- Linkie, M., Rood, E. and Smith, R.J. (2010). Modelling the effectiveness of Enforcement strategies for avoiding tropical deforestation in Kerinci Seblat National Park, Sumatra. *Biodiversity Conservation*, 19: 973-984
- Linkie, M., Smith, R.J. and Williams, N.L. (2004). Mapping and predicting deforestation patterns in the lowlands of Sumatra. *Biodiversity and Conservation*, 13: 1809-1818.
- Lodhu, L., B. (1998). *Implikasi Etnobotani Kuantitatif Dalam Kaitannya Dengan Konservasi Gunung Mutis, Timor*. Disertasi IPB, Bogor
- Macdonald, E.A., Collins, M., Johnson, P.J., Clayton L.M., Malhi, Y., Fisher, J.B., Milner-Gulland, E.J. and Macdonald, D.W. (2011). Wildlife conservation and reduced emission from deforestation in a case study of Nantu National Park, Sulawesi. *Environmental Science and Policy*, Vol: 14, Pages: 697-708.
- Magliocca, N.R., van Vliet, J., Brown, C., Evans, T.P., Houet, T., Messerli, P., Yu, Q. (2015). From meta-studies to modeling: Using synthesis knowledge to build broadly

- applicable process-based land change models. *Environmental Modelling & Software*, 72, 10–20. <http://doi.org/10.1016/j.envsoft.2015.06.009>
- Mahapatra, K. and Kant, S. (2005). Tropical deforestation: A multinomial logistic model and some country-specific policy prescriptions. *Forest Policy and Economics* 7 (1): 1–24.
- Mardiastuti, A. (2012). *The Role of UN_REDD in the Development of REDD+ in Indonesia, Vol. III: Highlight of REDD+ Related Projects in Indonesia*. Kemenhut RI, UN-REDD, FAO, UNDP, UNEP. Jakarta, Indonesia. pp 1-96
- Margono, B.A. (2014). *Advancing Indonesian Forest Resource Monitoring using Multi-source Remotely Sensed Imagery*. Dissertation. University of Maryland. USA.
- Margono, B.A., Potapov, P.V., Turubanova, S., Stolle, F. and Hansen, M.C. (2014). Primary forest cover loss in Indonesia over 2000-2012. *Nature Climate Change*. <http://dx.doi.org/10.1038/NCLIMATE2277>.
- Margono, B.A., Turubanova, S., Zhuravleva, I., Potapov, P., Tyukavina, A., Baccini, A., Goetz, S. and Hansen, M.C. (2012). Mapping and monitoring deforestation and forest degradation in Sumatra (Indonesia) using Landsat time series data sets from 1990 to 2010. *Environmental Research Letter*, 7 (2012) 034010 (16pp). <http://dx.doi.org/10.1088/1748-9326/7/3/034010>.
- Marohn, C., Schreinemachers, P., Quang, D.V., Berger, T., Siripalangkonont, P., Nyuyen, T.T. and Cadisch G. (2013). A software coupling approach to assess low-cost soil conservation strategies for highland agriculture in Vietnam. *Environmental Modelling & Software*, 45: 116-128
- Maslow, A.H. (1943). A Theory of human motivation. *Psychological Review*, 50 (4):370-96.
- Mather, A.S. (1992). The Forest Transition. *Area*. Vol 24: 367-379
- McCracken, S.D., Brondizio, E.S., Nelson, D., Moran, E.F., Siquera, A.D., Pedraza, C.R. (1999). Remote Sensing and GIS at Farm Property Level: Demography and Deforestation in the Brazilian Amazon. *Photogrammetric Engineering & Remote Sensing*, Vol. 65, pp. 1311-1320
- Media Indonesia. (2011). Tergiur Mangan: Dari Timor mengalir ke Cina. *Media Indonesia*, Edisi Cetak 16 Maret 2011.
- Mertens, B. and Lambin E.F. (2000). Land-Cover-Change Trajectories in Southern Cameroon. *Annals of Association of American Geographers*, 90(3): 467-494
- Mertens, B., Kaimowitz, D., Puntodewo, A., Vanclay, J. and Mendez, P. (2004). Modelling Deforestation at Distinct Geographic Scales and Time Periods in Santa Cruz, Bolivia. *International Regional Science Review*, 27(3): 271-296.
- Meyfroidt, P., Chowdury, R.R., de Bremont, A., Ellis, E.C, Erb, K.H., Filatova, T., Garret, J.M., Grove, J.M., Heinimann, A., Kuemmerle, T., Kull, C.A., Lambin, E.F., Yandon, Y., le Polain de Waraoux, Y., Messerli, P., Muller, D., Nielsen, J.Q., Peterson, G.D., Verburg, P.H. (2018). Middle-range theories of land system change. *Global Environmental Change*, Vol. 53, November 2018, pages 52-57.
- Miettinen, J., Stibig, H-J. and Achard, F. (2014). Remote Sensing of Forest Degradation in Southeast Asia-Aiming for a regional view through 5-30 m satellite data. *Global Ecology and Conservation*. 2(2014) 24-36. <http://dx.doi.org/10.1016/j.gecco.2014.07.007>.
- Mitchell, A.L., Rosenqvist, A. and Mora, B. (2017). Current remote sensing approaches to monitor forest degradation in support of countries measurement, reporting and verification systems for REDD+. *Carbon Balance and Management*, 12: 9. <http://dx.doi.org/10.1186/s13021-017-0078-9>

- Miyasaka, T., Le, Q.B., Okuro, T., Zhao, X. and Takeuchi, K. (2017). Agent-based modeling of complex social–ecological feedback loops to assess multi-dimensional trade-offs in dryland ecosystem services. *Landscape Ecology* (2017) 32:707–727
- MoEF - Ministry of Environment and Forestry, Republic of Indonesia. (2018a). *The State of Indonesia's Forest 2018*. The Ministry of Environment and Forestry, Republic of Indonesia.
- MoEF – Ministry of Environment and Forestry, Republic of Indonesia. (2018b). *Indonesia Report on REDD+ Performance*. Directorate General of Climate Change. The Ministry of Environment and Forestry. Indonesia.
- Mon, M.S., Mizoue, N., Htun, N.Z., Kajisa, T. and Yoshida, S. (2012). Estimating forest canopy density of tropical mixed deciduous vegetation using Landsat data: a comparison of three classification approaches, *International Journal of Remote Sensing*, 33:4, 1042-1057. <http://dx.doi.org/10.1080/01431161.2010.549851>
- Monk, K.A., Fretes, Y. De. and Reksodiharjo-Lilly, G. (1997). *The ecology of Nusa Tenggara and Maluku*. Periplus., Hongkong: Oxford University Press.
- Montgomery, R. (2015). *Will no one Plant a Tree in Indonesia? Yes, the Poor will, and on Islands not known for Their Forests: One such is Timor*. Asia Research Centre Working Paper 69. Asia Research Centre (ARC) London School of Economics & Political Science Houghton Street, London - UK.
- Morales-Barquero, L., Borrego, A, Skutsch M., Klein C. and Healey, J.R. Identification and quantification of drivers of forest degradation in tropical dry forests: A case study in Western Mexico. *Land Use Policy* 40(2015) 296-300
- Moreno, N., Quintero, R., Ablan, M., Barros, R., Davila, J., Ramirez, H., Tonella, G. and Acevedo, M.F. (2007). Bio-complexity of Deforestation in the Caparo tropical forest reserve in Venezuela: an integrated multi-agent and cellular automata model. *Environmental Modelling & Software*, 22: 664-673.
- Moser, S.C. (1996). A Partial Instructional Module on Global and Regional Land Use/Cover Change: Assessing the Data and Searching for General Relationships. *GeoJournal* 39(3): 241-283
- Muller, C. and Yan, H. (2016). *Household Fuel Use in Developing Countries: Review of Theory and Evidence*. halshs-01290714. <https://halshs.archives-ouvertes.fr/halshs-01290714/document> (diakses tanggal 15 Januari 2020)
- Mulyani, M. and Jepson, P. (2013). REDD+ and Forest Governance in Indonesia: A Multistakeholder Study of Perceived Challenges and Opportunities. *Journal of Environment and Development*, 22(3): 261-283. <http://dx.doi.org/10.1177/1070496513494203>
- Mulyanto, L. and Jaya, I.N.S. (2004). Analisis Spasial Degradasi Hutan dan Deforestasi: Studi Kasus di PT. Duta Maju Timber, Sumatera Barat. *Manajemen Hutan Tropika*, X (1), 29-42
- Munthali, K. G., & Murayama, Y. (2014). Modeling deforestation in Dzalanyama Forest Reserve, Lilongwe, Malawi: a multi-agent simulation approach. *GeoJournal*, 1–15. <http://doi.org/10.1007/s10708-014-9592-4>
- Nandy, S., Joshi, P.K. and Das, K.K. (2003). Forest Canopy Density Stratification using Biophysical Modeling. *Indian Society of Remote Sensing* Vol. 31, No.4.
- NRC - National Research Council. (2013). *Advancing Land Change Modeling: Opportunities and Research Requirements*. Washington, DC: National Academies Press
- Nugroho, H.Y.S.H., van der Veen, A., Skidmore, A.K. and Husein, Y.A. (2018). Expansion of traditional land-use and deforestation: a case study of an adat forest in the Kandilo

- Subwatershed, East Kalimantan, Indonesia. *Journal of Forestry Research*, 29(2):495-513
- Nugroho, S. (2012). *Metode Deteksi Degradasi Hutan menggunakan Citra Satelit Landsat di Hutan Lahan Kering Taman Nasional Gunung Halimun Salak*. Disertasi. Sekolah Pasca Sarjana Institut Pertanian Bogor (IPB), Bogor.
- Oliveras, I. and Malhi, Y. (2016). Many shades of green: the dynamic tropical forest–savannah transition zones. *Philosophical Transactions. R. Soc. B* 371: 20150308. <http://dx.doi.org/10.1098/rstb.2015.0308>
- Ormeling, F.J. (1957). *The Timor Problem: A Geographical Interpretation of an Underdeveloped Island*. Groningen, ND.
- Orr, B.J., A.L. Cowie, V.M. Castillo Sanchez, P. Chasek, N.D. Crossman, A. Erlewein, G. Louwagie, M. Maron, G.I. Metternicht, S. Minelli, A.E. Tengberg, S. Walter, and S. Welton. (2017). *Scientific Conceptual Framework for Land Degradation Neutrality*. A Report of the Science-Policy Interface. United Nations Convention to Combat Desertification (UNCCD), Bonn, Germany
- Ostrom, E., (1990). *Governing the Commons. The Evolution of Institutions for Collective Action*. Cambridge University Press, Cambridge, UK
- Parker, D.C., Manson, S.M., Janssen, M.A., Hoffmann, M.J., & Deadman, P. (2002). Multi-Agent Systems for the Simulation of Land-Use and Land-Cover Change : A Review Forthcoming. *Workshop on Agent-Based Models of Land Use*, (Nag 56406), 75. <http://doi.org/10.1111/1467-8306.9302004>
- Pedraza, C., Clerici, N., Forero, C.F., *et al.* (2018) Zero Deforestation Agreement Assessment at Farm Level in Columbia Using ALOS PALSAR. *Remote Sensing*, 2018, 10, 1464. <http://doi.org/10.3390/rs10091464>
- Pontius, R.G., & Schneider, L.C. (2001). Land-cover change model validation by an ROC method for the Ipswich watershed, Massachusetts, USA. *Agriculture, Ecosystems & Environment*, 85(1): 239- 248.
- Potapov, P., Yaroshenko, A., Turubanova, S., Dubinin, M., Laestadius, L., Thies, C., Aksenov, D., Egorov, A., Yesipova, Y., Glushkov, I., Karpachevskiy, M., Kostikova, A., Manisha, A., Tsybikova, E. and Zhuravleva, I. (2008). Mapping the world's intact forest landscapes by remote sensing. *Ecology Society*. 2008: 13(2):51
- PPID KLHK. (2020). *Berhasil Tekan Deforestasi, Indonesia Terima Dana dari Norwegia*. Siaran Pers Biro Humas KLHK tanggal 20 Mei 2020 – Nomor: SP. 208/HUMAS/PP/HMS.3/5/2020. Dimuat dalam: http://ppid.menlhk.go.id/siaran_pers/browse/2481, diakses tanggal 28 Mei 2020
- Prenzel, B. and Treitz, P. (2004). Remote sensing change detection for a watershed in north Sulawesi, Indonesia. *Progress in Planning*, 61: 349-363.
- Price, M.F., Gratzner, G., Duguma, L.A., Kohler, T., Maselli, D. and Romeo, R. (editors). (2011). *Mountain Forests in a Changing World - Realizing Values, addressing challenges*. Published by FAO/MPS and SDC, Rome
- Pujiono, E. (2012). *Analysing Deforestation using GIS and RS*. MSc Thesis. Korea University, Seoul, Korea
- Pujiono, E, Lee, W.K., Kwak, D.A., and Lee, J.Y. (2011). Assessing the extent and rate of deforestation in the mountainous tropical forest. *Korean Journal of Remote Sensing*, 27(3): 315-328
- Pujiono, E., Sadono, R., Hartono, Imron, M.A. (2019a). A Three Decades Assessment of Forest Cover Change in the Mountainous Tropical Forest of Timor Island, Indonesia. *Jurnal Manajemen Hutan Tropika*. DOI: <http://doi.org/10.7226/jtfm.5.1.51>

- Pujiono, E., Sadono, R., Hartono, Imron, M.A. (2019b). Assessment of causes and future deforestation in the mountainous tropical forest of Timor Island, Indonesia. *Journal of Mountain Science*. <https://doi.org/10.1007/s11629-019-5480-1>
- Purwanto, J. Rusolono, T. and Prasetyo L.B. (2015). Spatial Model of Deforestation in Kalimantan from 2000 to 2013. *Jurnal Manajemen Hutan Tropika*, Vol. 21, (3): 110-118. <http://dx.doi.org/10.7226/jtfm.21.3.110>.
- Puyravaud, J. (2003). Standardizing the calculation of the annual rate of deforestation. *Forest Ecology and Management*, 177: 593-596. [http://dx.doi.org/10.1016/S0378-1127\(02\)00335-3](http://dx.doi.org/10.1016/S0378-1127(02)00335-3).
- Qadri, M., Hardjanto, dan Hero, Y. (2016). Kontribusi pendapatan dan kebutuhan lahan minimum dalam pengembangan hutan rakyat cendana di Kabupaten Kupang. *Jurnal Silvikultur Tropika* Vol. 07 No.3, Hal 174-180
- Railsback, S. F. & Grimm, V. (2012). *Agent - Based and Individual - Based Modeling: A Practical Introduction*. Princeton: Princeton University Press
- Redy, M.B. and Blah, B. (2009). Topographic normalization of satellite imagery for image classification in India. *Progress in Physical Geography*, 33(6): 815-836. <https://doi.org/10.1177/0309133309351048>
- Ribot, J.C. and Peluso, N.L. (2003). A theory of access. *Rural Sociology*. 68 (2), 153–181.
- Rikimaru, A., Roy, P.S. and Miyateke, S. (2002). Tropical Forest Cover Density Mapping. *Tropical Ecology*, 43(1):39-47. https://tropecol.com/pdf/open/PDF_43_1/43104.pdf
- Russell, S.J. and Norvig, P. (1995) *Artificial intelligence: a modern approach*. Prentice and Hall, Englewood Cliffs, New Jersey, USA
- Salminah, M. dan Wibowo, A. (2017). Sinkronisasi Kebijakan Nasional REDD+ dengan Kepentingan Para Pihak pada Tingkat Nasional. *Jurnal Analisis Kebijakan Kehutanan*, Vol. 14 No.2: 105-120
- Schindler, J. (2009). *A multi-agent system for simulating land-use and land-cover change in the Atankwidi catchment of Upper East Ghana*. Dissertation. University of Bonn. Germany.
- Scholz, R.W. and Binder, C.R. (2004). Principles of Human-Environment Systems (HES) Research. *International Congress on Environmental Modelling and Software*. 116. <http://scholarsarchive.byu.edu/iemssconference/2004/all/116>
- Serneels, S. and Lambin, E.F. (2001). Proximate Causes of Land-Use Change in Narok District, Kenya: A Spatial Statistical Model. *Agriculture, Ecosystems and Environment*, 85: 65–81. [http://doi.org/10.1016/S0167-8809\(01\)00188-8](http://doi.org/10.1016/S0167-8809(01)00188-8)
- Shu, G.N. (2003). *Detection and analysis of land cover dynamics in moist tropical rainforest of South Cameroon*. Master Thesis, International Institute for Geo-Information Science and Earth Observation, Enschede, The Netherland.
- Steward, J.H. (1955). *Theory of Culture Change. The Methodology of Multi- linear Evolution*. Illinois Press, Urbana.
- Sumanto, S.E. dan Pujiono, E. (2009). Pengelolaan sumber daya alam secara tradisional di Timor Barat: Studi sosio-ekologi di Kabupaten Timor Tengah Selatan. *Info Sosial dan Ekonomi Kehutanan* 9(3): 179-186.
- Sunderlin, W.D., Angelson, A., Belcher, B., Burgers, P., Nasi, R., Santoso, L., Wunder, S. (2005). Livelihoods, Forests, and Conservations in Developing Countries: An Overview. *World Development*, 33(9): 1383-1402.
- Suwarno, A. (2016). *Optimising Land Use in Central Kalimantan Province, Indonesia : Modelling ecosystem benefits and land-use dynamics Optimising land use*. PhD Thesis. Wageningen University, Wageningen. The Netherland
- Suwarno, A. and van Noordwijk, M. (2016). Indonesia's forest conversion moratorium assessed with an agent-based model of Land-Use Change and Ecosystem Services (

- LUCES). *Mitigation and Adaptation Strategies for Global Change*. <http://doi.org/10.1007/s11027-016-9721-0>
- Suwarno, A., Hein, L., and Sumarga, E. (2015). Governance, Decentralisation and Deforestation: The Case of Central Kalimantan Province, Indonesia. *Quarterly Journal of International Agriculture*, 54(1), 77–100.
- Swart, R. (2016). *Monitoring 40 Years of land Use Change in the Mau Forest Complex, Kenya*. Thesis. Wageningen University, Wageningen, The Netherlands.
- Swart, R.J., Raskin, P. and Robinson, J. (2004). The Problem of future: sustainability science and scenario analysis. *Global Environmental Change* 14: 137–146
- Syahli, F. (2015). *The Impact of Land Use Change on Soil Erosion in Serayu Watershed, Case Study Merawu Watershed, Banjarnegara, Central Java*. Master Thesis. Double degree program - Gadjah Mada University - University of Twente.
- Tang, W. and Yang, J. (2020). Agent-Based Land Change Modelling of a Large Watershed: Space-Time Locations of Critical Threshold. *Journal of Artificial Societies and Social Simulation*. 23 (1)
- Tempo. (2015). *Warga Timor Leste Kuasai Perbatasan, Warga Kupang ancam Usir*. Tempo tanggal 17 April 2015. <https://nasional.tempo.co/read/news/2015/04/17/078658609/warga-timor-leste-kuasai-perbatasan-warga-kupang-ancam-usir>, diakses pada 20 Juni 2017.
- Tichy, L. (2016). Field test of canopy cover estimation by hemispherical photographs taken with a smartphone. *Journal of Vegetation Science*, 27: 427-435. <https://doi.org/10.1111/jvs.12350>
- Tole, L., (2002). An estimate of forest cover extent and change in Jamaica using Landsat MSS data. *International Journal of Remote Sensing*, 23(1): 91-106
- Turner, B.L. II and B.L. Meyer. (1994). Global Land Use and Land Cover Change: An Overview. In *Changes in Land Use and Land Cover: A Global Perspective*, eds. W.B. Meyer and B.L. Turner II, 3-10. Cambridge: Cambridge University Press.
- Turner, B.L. II, Skole, D., Sanderson, S., Fischer, G., Fresco, L. and Leemans, R. (1995). *Land-Use and Land-Cover Change; Science/Research Plan*. IGBP Report No.35, HDP Report No.7. IGBP and HDP, Stockholm and Geneva.
- UNDP Indonesia. (2020). *Environmental and Social Safeguards Disclosure : Indonesia REDD+ RBP Proposal*. Dimuat dalam: https://www.id.undp.org/content/indonesia/en/home/library/environment_energy/ESS-Disclosure.html, diakses pada 15 juni 2020
- USGS. (2015). *Landsat surface reflectance data (ver. 1.1, March 27, 2019)*: U.S. Geological Survey Fact Sheet 2015-3034, 1 p., <https://doi.org/10.3133/fs20153034>
- USGS. (2020). *Landsat Collection 2 level-2 Science Product*. USGS Product. <https://www.usgs.gov/land-resources/nli/landsat/landsat-collection-2-level-2-science-products>
- Vaca, R.A. (2019). Drivers of deforestation in the basin of the Usumacinta River: Inference on process from pattern analysis using generalised additive models. *PLoS One* . 2019; 14(9): e0222908
- Valbuena, D., Verburg, P.H. and Breght, A.K. (2008). A Method to define a typology for agent-based analysis in regional land-use research. *Agriculture, Ecosystems and Environment*, 128: 27-36
- van Noordwijk, M., Lusiana, B., Villamor, G., Purnomo, H. and Dewi, S. (2011). Feedback loops added to four conceptual models linking land change with driving forces and actors. *Ecology and Society* 16(1): r1. [online] URL: <http://www.ecologyandsociety.org/vol16/iss1/resp1/>

- Verburg, P.H., Schot P.P., Dijst, M.J., and Velkamp, A. (2004). Land-use change modelling: current practice and research priorities. *GeoJournal*, 61: 309-324.
- Villamor, G.B., Le, Q.B., Djanibekov, U. (2014). Biodiversity in rubber agroforests, carbon emissions, and rural livelihoods: An agent-based model of land-use dynamics in lowland Sumatra. *Environmental Modelling & Software* 61 (2014) 151-165.
- Villamor, G.B., Noordwijk, M.V., Troitzsch, K.G. & Vlek, P.L.G. (2012). Human decision making for empirical agent-based models : construction and validation. *International Congress on Environmental Modelling and Software*. Leipzig. Germany.
- Villamor, G.B., Troitzsch, K.G., & Noordwijk, M.V. (2013). Validating human decision making in an agent-based land-use model. *20th International Congress on Modelling and Simulation*. Adelaide. Australia.
- von Thunen, J. H. (1966). *Von Thunen's Isolated State: an English Edition*. (Carla M. Wartenburg, Translation): Pergamon
- Wada, Y., Rajan, K.S. and Shibasaki, R. (2007). Modelling the spatial distribution of shifting cultivation in Luangprabang, Lao PDR, *Environment and Planning B: Planning and Design*, 34: 261–278. <http://doi.org/10.1068/b31180>
- Wang, C. and Myint, S. (2016) Environmental concerns of deforestation in Myanmar 2001–2010. *Remote sensing*, 8(9), 728. <http://dx.doi.org/10.3390/rs8090728>
- Ward, J.S., Worthley, T.E., Smallidge, P.J. and Bennet, K.P. (2006). *Northeastern Forest Regeneration Handbook - A Guide for Forest Owners, Harvesting Practitioners, and Public Officials*. USDA Forest Service. Newtown Square, PA 19073.
- WCED - World Commission on Environment and Development. (1987). *Report of the World Commission on Environment and Development: Our Common Future*: <https://sustainabledevelopment.un.org/content/documents/5987our-common-future.pdf>
- Whitmore, T.C. (1984). *Tropical Rain Forests of the Far East*. Second Edition. ELBS/Oxford University Press, Oxford.
- Wijaya, P.A., Saleh, M.B. and Tiryana, T. (2015). Spatial Model of Deforestation in Jambi Province for the Period 1990–2011. *Jurnal Manajemen Hutan Tropika*, 21(3): 128–137. <http://dx.doi.org/10.7226/jtfm.21.3.128>
- Williams, M. (2006). *Deforesting the Earth from Prehistory to Global Crisis, An Abridgment*. Chicago: University of Chicago Press.
- Wooldridge, M. (2002). *An introduction to multi-agent systems*. John Wiley & Sons, New York, USA
- Wulandari, R. (2011). *Pemodelan Spasial Deforestasi di Pulau Lombok, Nusa Tenggara Barat, Periode 2000–2010*. Skripsi, Institut Pertanian Bogor, Bogor, Indonesia.
- WWF Nusa Tenggara. (1999). *Aspek Sosial Ekonomi dan Budaya Pola Ternak Lepas dalam Kaitannya dengan Pelestarian SDA di Kawasan Gunung Mutis*. Laporan Penelitian Kerjasama WWF Nusa Tenggara, BPK Kupang, BBKSDA Provinsi NTT
- Young, N.E., Anderson, R.S., Chignell, S.M., Vorster, A.G., Lawrence, R., and Evangelista, P.H. (2017). A survival guide to Landsat preprocessing. *Ecology*, 98(4), 2017, pp. 920–932. <http://dx.doi.org/10.1002/ecy.1730>.
- Yuniati, D., Kurniawan, H., Pujiono, E., Banani, F. (2014). Pendugaan simpanan karbon di beberapa tipe hutan di Provinsi Nusa Tenggara Timur. dalam : Pratiwi, Herianyah, I., Gunawan, H., Dharmawan, I.W.S., Irianto, R.S.B., Kustadi, (editor). *Seminar: Peran IPTEK Hasil Hutan Bukan Kayu untuk Kesejahteraan Masyarakat*, Kupang 16 Oktober 2012. Hal. :53-66