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Daftar Pustaka

Achyar, E., Schmidt-Vogt, D. and Shivakoti, G. P. 2015. *Dynamics of the multi-stakeholder forum and its effectiveness in promoting sustainable forest fire management practices in South Sumatra, Indonesia.* Environmental Development, 13: 4–17. https://doi.org/10.1016/j.envdev.2014.11.002

Adjalla, C., Tosso, F., Salako, K. V. and Assogbadjo, A. E. 2022. *Soil seed bank characteristics along a gradient of past human disturbances in a tropical semi-deciduous forest: Insights for forest management.* Forest Ecology and Management, 503. https://doi.org/10.1016/j.foreco.2021.119744

Afrianto, W. F., Hikmat, A. dan Widyatmoko, D. 2016. *Komunitas Floristik dan Suksesi Vegetasi Setelah Erupsi 2010 di Gunung Merapi Jawa Tengah (Floristic Community and Vegetation Succession after the 2010 Eruption of Mount Merapi Central Jawa)*. Jurnal Biologi Indonesia, 12(2): 265–276.

Airey Lauvaux, C., Skinner, C. N. and Taylor, A. H. 2016. *High severity fire and mixed conifer forest-chaparral dynamics in the southern Cascade Range, USA*. Forest Ecology and Management, 363: 74–85. https://doi.org/10.1016/j.foreco.2015.12.016

Akinyemi, D. S., Oseni, S. R., and Oke, S. O. 2019. *Effect of heat on soil seedbank of three contrasting physiognomies in Shasha forest reserve, Southwestern Nigeria*. Acta Oecologica, 94(20): 22–30. https://doi.org/10.1016/j.actao.2018.03.009

Ali, A. and Mattsson, E. 2017. *Individual tree size inequality enhances aboveground biomass in homegarden agroforestry systems in the dry zone of Sri Lanka.* Science of the Total Environment, 575: 6–11. https://doi.org/10.1016/j.scitotenv.2016.10.022

Almulqu, A. A., Arpornpong, N., and Boonyanuphap, J. 2018. *Tree species composition and structure of dry forest in Mutis Timau protected forest management unit of East Nusa Tenggara, Indonesia*. Biodiversitas, 19(2): 496–503. https://doi.org/10.13057/biodiv/d190217

Amiaud, B. and Touzard, B. 2004. *The relationships between soil seed bank, aboveground vegetation and disturbances in old embanked marshlands of Western France*. Flora, 199(1): 25–35. https://doi.org/10.1078/0367-2530-00129

Anonim. 2007. *Masterplan Kebun Raya Kuningan- Jawa Barat*. Jawa Barat

Anonim. 2012. *Laporan pengukuran dan inventarisasi kebakaran di Kebun Raya Kuningan.* Jawa Barat

Anonim. 2014. *Peraturan Menteri Kehutanan No P.48/Menhut II-2014 tentang Tata Cara Pelaksanaan Pemulihan Ekosistem di Kawasan Suaka Alam dan Kawasan Pelesatrian Alam.* Kementrian Lingkungan Hidup dan Kehutanan. Jakarta.

Anonim. 2018. *Data Statistik Balai Taman Nasional Gunung Ciremai Tahun 2017* (Issue 1). Jawa Barat.

Anonim. 2020. *Rencana Pemulihan Ekosistem Balai Taman Nasional Gunung Ciremai Periode Tahun 2020-2024.* Kementrian Lingkungan Hidup dan Kehutanan. Jawa Barat.

Anonim. 2021. *Kebun Raya Kuningan*. Www.kuningankab.go.id/Sumber-Daya-Alam/Kebun-Raya-Kuningan.

Anwar, D. 2008. *Kuningan dalam Kenangan Remaja-Pemuda. Dari Masa ke Masa*. Pustaka Nawaitu.

Aprianto, G. C., Ahmadi, I. S., dan Hutabarat, E. R. R. B. 2020. *Keanekaragaman Burung pada Beberapa Ketinggian di Lereng Selatan Gunung Slamet Jawa Tengah.* In P. Yuda, Y. Hadiprakoso dan N. Utami (Eds.), *Konferensi peneliti dan pemerhati burung Indonesia KPPBI 4 Semarang* (pp. 82–91). LPPM Universitas Negeri Semarang. Semarang. Jawa Tengah.

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Araújo, F. D. C., Tng, D. Y. P., Apgaua, D. M. G., Coelho, P. A., Pereira, D. G. S. and Santos, R. M. 2017. *Post-fire plant regeneration across a closed forest-savanna vegetation transition.* Forest Ecology and Management, 400: 77–84. https://doi.org/10.1016/j.foreco.2017.05.058

Arizona, D. 2011. *Etnobotani dan Potensi Tumbuhan Berguna Di Taman Nasional Gunung Ciremai, Jawa Barat*. Skripsi. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor, Jawa Barat.

Aswandi, A. 2016. *Model dinamika ekosistem hutan gambut lestari di Singkil Aceh*. Disertasi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Azmi, F. F. 2017. *Dampak kebakaran hutan terhadap keanekaragaman hayati dan karakteristik tanah gambut tropika*. Skripsi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Badía, D., López-García, S., Martí, C. Ortíz-Perpiñá, O., Girona-García, A. and Casanova-Gascón, J. 2017. *Burn effects on soil properties associated to heat transfer under contrasting moisture content*. Science of the Total Environment, 601–602: 1119–1128. https://doi.org/10.1016/j.scitotenv. 2017.05.254

Benoit, D. L., Kenkel, N. C. and Cavers, P. B. 1989. *Factors influencing the precision of soil seed bank estimates*. Canadian Journal of Botany, 67(10): 2833–2840. https://doi.org/10.1139/b89-364

Blackham, G. V., Thomas, A., Webb, E. L. and Corlett, R. T. 2013. *Seed rain into a degraded tropical peatland in Central Kalimantan, Indonesia*. Biological Conservation, 167: 215–223. https://doi.org/10.1016/j.biocon.2013.08.015

Bollen, K. A. 1987. Total Direct and Indirect Effects in Structural Equation Models. In *Sociological Methodology* Vol. 17, pp. 37–69. American Sociological Association.

Cai, W., Yang, J., Liu, Z., Hu, Y. and Weisberg, P. J. 2013. *Post-fire tree recruitment of a boreal larch forest in Northeast China.* Forest Ecology and Management, 307: 20–29. https://doi.org/10.1016/ j.foreco.2013.06.056

Capmourteres, V. and Anand, M. 2016. *Assessing ecological integrity: A multi-scale structural and functional approach using Structural Equation Modeling*. Ecological Indicators, 71: 258–269. https://doi.org/10.1016/j.ecolind.2016.07.006

Chazdon, R. L. 2008. *Beyond Deforestation: Restoring Forests and Ecosystem Services on Degraded Lands.* Science, 320(5882): 1458–1460. https://doi.org/10.1126/science. 1155365

Chen, W., Moriya, K., Sakai, T., Koyama, L. and Cao, C. 2014. *Post-fire forest regeneration under different restoration treatments in the Greater Hinggan Mountain area of China*. Ecological Engineering, 70: 304–311. https://doi.org/10.1016/j.ecoleng. 2014.06.016

Chi, Y., Sun, J., Xie, Z. and Wang, J. 2022. *Soil-landscape relationships in a coastal archipelagic ecosystem.* Ocean and Coastal Management, 216(391), 105996. https:// doi.org/10.1016/ j.ocecoaman.2021.105996

Choiruddin, I., Donantho, D., Mas, R. and Hartanto, N. U. R. 2018. *Pengaruh Kebakaran Lahan Terhadap Beberapa Sifat Kimia Tanah (pH, C-Organik, N, P, dan K)*. Jurnal Agroekoteknologi Tropika Lembab, 1(1): 11–15.

Clifford, H. and Stephenson, W. 1975. *An introduction to numerical classification*. Academic Express.

Creswell, J. W. 2003. *Research design qualitative, quantitative, and mixed methods approach* (C. D. Laughton (ed.); Second ed.). SAGE Publications.

Cubina, A. and Aide, T. M. 2001. *The Effect of Distance from Forest Edge on Seed Rain and Soil Seed Bank in a Tropical Pasture.* Biotropica, 33(2): 260–267.

Day, N. J., Carrière, S. and Baltzer, J. L. 2017. *Annual dynamics and resilience in post-fire*

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

boreal understory vascular plant communities. Forest Ecology and Management, 401: 264–272. https://doi.org/10.1016/j.foreco.2017.06.062

De Silva, Ú. S. R. and Da Matos, D. M. D. S. 2006. *The invasion of Pteridium aquilinum and the impoverishment of the seed bank in fire-prone areas of Brazil Atlantic Forest*. Biodiversity and Conservation, 15(9): 3035–3043. https://doi.org/10.1007/s10531-005-4877-z

Deni, D. 2014. *Akses dan kontrol sumberdaya hutan Gunung Ciremai*. Skripsi. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor. Jawa Barat.

Douh, C., Daïnou, K., Joël, J. and Moutsambote, J. 2018. *Soil seed bank characteristics in two central African forest types and implications for forest restoration*. Forest Ecology and Management, 409: 766–776.

Dwipa, I., Sumbari, C. and Anwar, A. 2020. *Plant soil seed bank analysis in wildfire former area of Mount Talang, West Sumatra, Indonesia*. Biodiversitas, 21(1): 155–160. https://doi.org/10.13057/ biodiv/d210120

Dzwonko, Z., Loster, S. and Gawroński, S. 2015. *Impact of fire severity on soil properties and the development of tree and shrub species in a Scots pine moist forest site in southern Poland*. Forest Ecology and Management, 342: 56–63. https://doi.org/10. 1016/j.foreco.2015.01.013

Earth, G. 2019. *Mount Ciremai National Park*. www.googleearth.com

Eckerberg, K. and Buizer, M. 2017. *Promises and dilemmas in forest fire management decision-making : Exploring conditions for community engagement in Australia and Sweden*. Forest Policy and Economics, 80: 133–140. https://doi.org/10.1016/j.forpol. 2017.03.020

Edmonds, R.L. Agee, J. K. Gara, R. 2000. *Forest Health and Protection*. The McGraw-Hill Companies. USA.

Edwards, R. B., Naylor, R. L., Higgins, M. M. and Falcon, W. P. 2020. *Causes of Indonesia's forest fires.* World Development, 127. https://doi.org/10.1016/j.worlddev. 2019.104717

Ekajati, E. 2006. *Perjuangan Rakyat Kuningan. Masa Revolusi Kemerdekaan*. PT Kiblat Buku Utama.

Ekasari, I., Sadono, R., Marsono, D. and Witono, J. R. 2020. *Mapping Multi Stakeholder Roles on Fire Management in Conservation Areas of Kuningan Regency*. Jurnal Manajemen Hutan Tropika, 26: 254–267. https://doi.org/10.7226/jtfm.26.3.254

Ekasari, I., Sadono, R., Marsono, D. and Witono, J. R. 2021. *Species composition and richness of viable seed bank after fire events in Mount Ciremai National Park and Kuningan Botanic Gardens, West Java, Indonesia.* Biodiversitas, 22(6): 3437–3447. https://doi.org/10.13057/biodiv/d220652

Ekayani, M., Nurrochmat, D. R., Saharjo, B. H. and Erbaugh, J. T. 2015. *Assessing Conformity of Scientific Voices and Local Needs to Combat Forest Fire in Indonesia.* Jurnal Manajemen Hutan Tropika, 83–91. https://doi.org/10.7226/jtfm.21.2.83

Elliot, S., Blackesley, D. and Hardwick, K. 2013. *Restoring Tropical Forests*. A Practical Guide. Chiang Mai University Press. Thailand.

Esque, T. C., Young, J. A. and Tracy, C. R. 2010. *Short-term effects of experimental fires on a Mojave Desert seed bank*. Journal of Arid Environments, 74(10): 1302–1308. https://doi.org/10.1016/ j.jaridenv.2010.04.011

Febriandhika, A. I., Rahman, C. T., Ramdani, F. and Saputra, M. C. 2018. *Tangible Landscape: Simulation of Estimation of Wildfire Spread in Arjuno Mountain Tahura R. Soerjo Region*. 4th International Symposium on Geoinformatics, 1–8. https://doi.org/10.1109/ISYG.2018.8611830

Fernandes, A. A. R., Panjaitan, R. B. and Solimun. 2019. *The effect of community and*

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
INDRIANI EKASARI, Dr. rer.silv. Ir. Ronggo Sadono;Prof. Dr. Ir. Djoko Marsono;Dr. Joko Ridho Witono,M.Si
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

company participation and implementation of good forest fire governance on the forest fire policy in Indonesia. Journal of Science and Technology Policy Management, 10(1): 102–115. https://doi.org/10.1108/JSTPM-05-2017-0017

Ferreira, M. C. and Vieira, D. L. M. 2017. *Topsoil for restoration: Resprouting of root fragments and germination of pioneers trigger tropical dry forest regeneration*. Ecological Engineering, 103: 1–12. https://doi.org/10.1016/j.ecoleng.2017.03.006

Feurdean, A., Florescu, G., Vannière, B., Tanţău, I., O'Hara, R. B., Pfeiffer, M., Hutchinson, S. M., Gałka, M., Moskal-del Hoyo, M. and Hickler, T. 2017. *Fire has been an important driver of forest dynamics in the Carpathian Mountains during the Holocene*. Forest Ecology and Management, 389: 15–26. https://doi.org/10.1016/j.foreco.2016.11.046

Firmansyah, M.A dan Subowo, S. 2012. *Dampak kebakaran lahan terhadap kesuburan fisik, kimia, dan biologi tanah serta alternatif penanggunalangan dan pemanfaatannya*. Jurnal Sumberdaya Lahan, 6 (2): 89–99.

Franco-Moraes, J., Baniwa, A. F. M. B., Costa, F. R. C., Lima, H. P., Clement, C. R. and Shepard, G. H. 2019. *Historical landscape domestication in ancestral forests with nutrient-poor soils in northwestern Amazonia*. Forest Ecology and Management, 446: 317–330. https://doi.org/ 10.1016/j.foreco.2019.04.020

Fuentes-Ramirez, A., Barrientos, M., Almonacid, L., Arriagada-Escamilla, C. and Salas-Eljatib, C. 2018. *Short-term response of soil microorganisms, nutrients and plant recovery in fire-affected Araucaria araucana forests.* Applied Soil Ecology, 131: 99–106. https://doi.org/10.1016/ j.apsoil.2018.08.010

Galloway, A. D., Holmes, P. M., Gaertner, M. and Esler, K. J. 2017. *The impact of pine plantations on fynbos above-ground vegetation and soil seed bank composition*. South African Journal of Botany, 113: 300–307. https://doi.org/10.1016/j.sajb.2017.09.009

García-orenes, F., Arcenegui, V., Chrenková, K., Mataix-solera, J., Moltó, J., Jara-navarro, A. B. and Torres, M. P. 2017. *Effects of salvage logging on soil properties and vegetation recovery in a fire-affected Mediterranean forest : A two-year monitoring research*. Science of the Total Environment, 586: 1057–1065. https://doi.org/10.1016/j.scitotenv.2017.02.090

Ghozali, I. 2016. *Aplikasi analisis multivariate dengan program IBM SPSS 23* (Edisi 8). Badan Penerbit Universitas Diponegoro.

Girard, F., Payette, S. and Delwaide, A. 2017. *Patterns of an early postfire succession of alpine, subalpine, and lichen-woodland vegetation: 21 years of monitoring from permanent plots*. Forests, 8(9). https://doi.org/10.3390/f8090346

Grace, J. B., Anderson, T. M., Seabloom, E. W., Borer, E. T., Adler, P. B., Harpole, W. S., Hautier, Y., Hillebrand, H., Lind, E. M., Pärtel, M., Bakker, J. D., Buckley, Y. M., Crawley, M. J., Damschen, E. I., Davies, K. F., Fay, P. A., Firn, J., Gruner, D. S., Hector, A. and Smith, M. D. 2016. *Integrative modeling reveals mechanisms linking productivity and plant species richness.* Nature, 529(7586): 390–393. https://doi.org/ 10.1038/nature16524

Grace, J. B. and Keeley, J. E. 2006. *A structural equation model analysis of postfire plant diversity in California shrublands*. Ecological Applications, 16(2): 503–514.

Gunawan, H. 2015. *Suksesi sekunder hutan terganggu bekas perambahan di Taman Nasional Gunung Ciremai , Jawa Barat (Secondary succession on disturbed forest area ex illegal cultivation in Mount Ciremai National Park, West Java)*. National Seminar Proceeding Biodiversitas Indonesia, 1: 1591–1599. https://doi.org/ 10.13057/psnmbi/m010709

Guo, F., Su, Z., Wang, G., Sun, L., Tigabu, M., Yang, X. and Hu, H. 2017. *Understanding fire drivers and relative impacts in different Chinese forest ecosystems.* Science of the

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
INDRIANI EKASARI, Dr. rer.silv. Ir. Ronggo Sadono;Prof. Dr. Ir. Djoko Marsono;Dr. Joko Ridho Witono,M.Si
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Total Environment, 411–425. https://doi.org/10.1016/j.scitotenv.2017.06.219

Hadiprasetya, Y. 2009. *Identifikasi Faktor Penyebab Kebakaran Hutan dan Upaya Penanggulangannya di Taman Nasional Gunung Ciremai, Jawa Barat*. Skripsi. Fakultas Kehutanan. Institut Peryanian Bogor. Bogor. Jawa Barat.

Han, J., Shen, Z., Ying, L., Li, G. and Chen, A. 2015. *Early post-fire regeneration of a fire-prone subtropical mixed Yunnan pine forest in Southwest China: Effects of pre-fire vegetation, fire severity, and topographic factors.* Forest Ecology and Management, 356: 31–40. https://doi.org/10.1016/j.foreco.2015.06.016

Hapsari, F. 2017. *Adopsi penanggulangan kebakaran hutan oleh masyarakat peduli api (MPA) di kawasan Cagar Alam Gunung Celering Kabupaten Jepara*. Thesis. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Haryono, S. 2017. *Metode SEM untuk penelitian manajemen: Amos, Lisrel & PIS*. PT Luxima Metro Media.

He, M., Li, H. and Mo, X. 2015. *Optimization of application parameters of soil seed bank in vegetation recovery via response surface methodology*. Ecological Engineering, 84: 362–369.

He, M., Lv, L., Li, H., Meng, W. and Zhao, N. 2016. *Analysis on soil seed bank diversity characteristics and its relation with soil physical and chemical properties after substrate addition.* PLoS ONE, 11(1): 1–16. https://doi.org/10.1371/journal.pone. 0147439

Holmes, P. M., Esler, K. J., Richardson, D. M. and Witkowski, E. T. F. 2008. *Guidelines for improved management of riparian zones invaded by alien plants in South Africa.* South African Journal of Botany, 74: 538–552. https://doi.org/10.1016/j.sajb. 2008.01.182

Hou, X., Liu, S., Zhao, S., Zhang, Y., Wu, X., Cheng, F. and Dong, S. 2018. I*nteraction mechanism between fl oristic quality and environmental factors during ecological restoration in a mine area based on structural equation modeling.* Ecological Engineering, 124: 23–30. https://doi.org/10.1016/j.ecoleng.2018.09.021

Huang, Y., Ren, H., Wang, J., Liu, N., Jian, S., Cai, H., Hui, D., and Guo, Q. 2020. *Relationships between vegetation and soil seed banks along a center-to-edge gradient on a tropical coral island.* Ecological Indicators, 117, 106689. https://doi.org/10.1016/j.ecolind.2020.106689

Huffman, D. W., Sánchez, A. J., Stoddard, M. T., Crouse, J. E. and Roccaforte, J. P. 2017. *Efficacy of resource objective wildfires for restoration of ponderosa pine (Pinus ponderosa) forests in northern Arizona*. Forest Ecology and Management, 389: 395–403. https://doi.org/10.1016/ j.foreco.2016.12.036

Hung, K., Sirakaya-Turk, E. and Ingram, L. J. 2011. *Testing the Efficacy of an Integrative Model for Community Participation.* Journal of Travel Research, 50(3): 276–288. https://doi.org/10.1177/ 0047287510362781

Iacopetti, G., Bussotti, F., Carrari, E., Martini, S. and Selvi, F. 2021. *Understorey changes after an extreme drought event are modulated by overstorey tree species mixtures in thermophilous deciduous forests.* Forest Ecology and Management, 484: 1–11.

Indriyanto, I. 2006. *Ekologi Hutan*. Bumi Aksara.

Ismail, A. Y., Kusmana, C., Sudiana, E. and Widodo, P. 2019. *Short communication: Population and stand structure of Cinnamomum sintoc in the Low Land Forest of Mount Ciremai National Park, West Java, Indonesia.* Biodiversitas, 20(4): 1042–1047. https://doi.org/10.13057/biodiv/d200415

Jogiyanto, J. 2011. *Konsep dan aplikasi structural equaton modeling berbasis varian dalam penelitian bisnis*. Unit penerbit dan percetakan STIM YKPN Yogyakarta.

Juan-Ovejero, R., Molinas-González, C. R., Leverkus, A. B., Martín Peinado, F. J. and

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GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Castro, J. 2021. *Decadal effect of post-fire management treatments on soil carbon and nutrient concentrations in a burnt Mediterranean forest.* Forest Ecology and Management, 498. https://doi.org/10.1016/ j.foreco.2021.119570

Junaedi, D. 2008. *Keragaman komunitas tumbuhan di Taman Nasional Gunung Ciremai.* Buletin Kebun Raya Indonesia, 11 (2): 25–32.

Kardiman, R., Afriandi, R., Schmidt, L. H., Ræbild, A. and Swinfield, T. 2019. *Restoration of tropical rain forest success improved by selecting species for specific microhabitats*. Forest Ecology and Management, 434: 235–243. https://doi.org/10.1016/j.foreco. 2018.12.028

Kuswandi, K. 2016. *Dinamika pertumbuhan tegakan tinggal dan pengaturan hasil pada lahan bekas tebangan di beberapa unit pengusahaan hutan di Papua*. Disertasi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Lamb, D. and Erskine, D. 2005. *Restoration of Degraded Tropical Forest Landscapes.* Science, 310(5754): 1628–1632.

Lampela, M., Jauhiainen, J., Sarkkola, S. and Vasander, H. 2017. *Promising native tree species for reforestation of degraded tropical peatlands.* Forest Ecology and Management, 394: 52–63. https://doi.org/10.1016/j.foreco.2016.12.004

Landrigan, P. J., Fuller, R., Acosta, N. J. R., Adeyi, O., Arnold, R., Basu, N., Baldé, A. B., Bertollini, R., Bose-O'Reilly, S., Boufford, J. I., Breysse, P. N., Chiles, T., Mahidol, C., Coll-Seck, A. M., Cropper, M. L., Fobil, J., Fuster, V., Greenstone, M., Haines, A., Zhong, M. 2018. *The Lancet Commission on pollution and health.* The Lancet, 391(10119): 462–512. https://doi.org/10.1016/ S0140-6736(17)32345-0

Laughlin, D. C., Abella, S. R., Covington, W. W., Grace, J. B., Daniel, C., Scott, R., Wallace, W. and James, B. 2007. *Species Richness and Soil Properties in Pinus ponderosa Forests : A Structural Equation Modeling Analysis*. Vegetation Science, 18(2): 231–242.

Lestari, K. G., Putra, E. I., and Matangaran, J. R. 2019. *Identifying forest fire causes in Kawah Kamojang Nature Reserve (Mount Guntur), Garut, West Java.* IOP Conference Series: Earth and Environmental Science, 394(1). https://doi.org/10.1088/1755-1315/394/1/012042

Li, S., Liu, W., Lang, X., Huang, X. and Su, J. 2021. *Species richness, not abundance, drives ecosystem multifunctionality in a subtropical coniferous forest*. Ecological Indicators, 120: 106911. https://doi.org/10.1016/j.ecolind.2020.106911

Li, X., Chen, W., Cundy, A. B., Chang, A. C., and Jiao, W. 2018. *Analysis of influencing factors on public perception in contaminated site management: Simulation by structural equation modeling at four sites in China.* Journal of Environmental Management, 210: 299–306. https://doi.org/10.1016/j.jenvman.2018.01.029

Li, Y., Dong, S., Wen, L., Wang, X. and Wu, Y. 2012. *Soil seed banks in degraded and revegetated grasslands in the alpine region of the Qinghai-Tibetan Plateau*. Ecological Engineering, 49: 77–83. https://doi.org/10.1016/j.ecoleng.2012.08.022

Lin, L. and Cao, M. 2009. *Edge effects on soil seed banks and understory vegetation in subtropical and tropical forests in Yunnan, SW China.* Forest Ecology and Management, 257(4): 1344–1352. https://doi.org/10.1016/j.foreco.2008.12.004

Liu, Z., Ge, X., Fu, Z. and Liu, J. 2020. *Alternanthera philoxeroides invasion affects the soil seed bank of the reed community.* Environmental and Experimental Botany, 180: 104196. https://doi.org/10.1016/j.envexpbot.2020.104196

Loeb, R. E., and Mao, H. 2021. *Natural forest regeneration-soil relationships in a fire disturbed urban natural area forest.* Urban Forestry and Urban Greening, 59: 126993. https://doi.org/10.1016/ j.ufug.2021.126993

Loehle, C., Idso, C., and Bently Wigley, T. 2016. *Physiological and ecological factors*

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
INDRIANI EKASARI, Dr. rer.silv. Ir. Ronggo Sadono;Prof. Dr. Ir. Djoko Marsono;Dr. Joko Ridho Witono,M.Si
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

influencing recent trends in United States forest health responses to climate change. Forest Ecology and Management, 363: 179–189. https://doi.org/10.1016/j.foreco.2015.12.042

Ludwig, J., and Reynolds, J. 1988. *Statistical ecology a primer on methods and computing*. John Wiley and Sons, Inc.

Luo, X., Cao, M., Zhang, M., Song, X., Li, J., Nakamura, A., and Kitching, R. 2017. *Soil seed banks along elevational gradients in tropical, subtropical and subalpine forests in Yunnan Province, southwest China*. Plant Diversity, 39. https://doi.org/10.1016/j.pld.2017.10.001

Ma, M., Zhou, X. and Du, G. 2010. *Role of soil seed bank along a disturbance gradient in an alpine meadow on the Tibet plateau.* Flora: Morphology, Distribution, Functional Ecology of Plants, 205(2): 128–134. https://doi.org/10.1016/j.flora.2009.02.006

Magurran, A. 2004. *Measuring Biological Diversity. In Measuring biological diversity*. Blackwell Publishing.

Magurran, A . 1988. *Ecological Diversity and Measurement*. Princeton Univ. Press.

Maia, P., Keizer, J., Vasques, A., Abrantes, N., Roxo, L., Fernandes, P., Ferreira, A. and Moreira, F. 2014. *Post-fire plant diversity and abundance in pine and eucalypt stand in Portugal: Effects of biogeography, topography, forest type and post-fire management.* Forest Ecology and Management, 334: 154–162. https://doi.org/10.1016/j.foreco.2014.08.030

Marina, T. 2017. *Pengaruh langsung dan tidak langsung dalam model persamaan struktural dengan metode partial least square (PLS)* (Issue 1). Universitas Lampung.

Marsono, D. 1986. *Vegetasi Tumbuhan Bawah Hutan Tanaman Jati di KPH Kendal.* Buletin Fakultas Kehutanan, III (2), 18–26.

Martínez-torres, H. L., Pérez-salicrup, D. R., Castillo, A. and Ramirez, M. I. 2018. *Fire Management in a Natural Protected Area: What Do Key Local Actors Say?* Human Ecology, 46: 515–528.

Martins, A. M. and Engel, V. L. 2007. *Soil seed banks in tropical forest fragments with different disturbance histories in southeastern Brazil.* Ecological Engineering, 31(3): 165–174. https://doi.org/10.1016/j.ecoleng.2007.05.008

Mawazin, M. and Subiakto, A. 2013. *Keanekaragaman dan komposisi jenis permudaan alam hutan rawa gambut bekas tebangan di Riau (Species Diversity and Composition of Logged Over Peat Swamp Forest in Riau).* Indonesian Forest Rehabilitation, 1(1): 59–73.

Meyfroidt, P. 2013. *Environmental Cognitions , Land Change and Social-Ecological Feedbacks : Local Case Studies of Forest Transition in Vietnam.* Human Ecology, 41: 367–392. https://doi.org/10.1007/s10745-012-9560-x

Milovanović, S., Bogdanović, Z., Labus, A., Barać, D. and Despotović-zrakić, M. 2019. *An approach to identify user preferences based on social network analysis.* Future Generation Computer Systems, 93: 121–129. https://doi.org/10.1016/j.future.2018.10.028

Mmusi, M., Tsheboeng, G., Teketay, D., Murray-Hudson, M., Kashe, K. and Madome, J. 2021. *Species richness, diversity, density and spatial distribution of soil seed banks in the riparian woodland along the Thamalakane River of the Okavango Delta, northern Botswana.* Trees, Forests and People, 6: 100160. https://doi.org/10.1016/j.tfp.2021.100160

Molina-Terrén, D. M., Fry, D. L., Grillo, F. F., Cardil, A. and Stephens, S. L. 2016. *Fire history and management of Pinuscanariensis forests on the western Canary Islands Archipelago, Spain.* Forest Ecology and Management, 382: 184–192. https://doi.org/10.1016/j.foreco.2016.10.007

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Montserrat, V. and Isabel, G. 2017. *Does Invasion by an Alien Plant Species Affect the Soil Seed Bank ?* Vegetation Science, 18(3): 423–430.

Mueller-Dombois, D. and Ellenberg, H. (1974). *Aims and Methods of Vegetation Ecology*. The Macgraw Companies. USA

Muis, N., Setyawati, T., Tjitrosoedirdjo, S., Ratnadewi, Y. 2018. *Estimating The Abundance and Composition of Soil Seed Bank at Bekol in Baluran National Park, West Java.* Jurnal Penelitian Kehutanan Wallacea, 7 (2): 131–140.

Mulyasana, D. 2008. *Kajian keanekaragaman jenis pohon pada berbagai ketinggian tempat di Taman Nasional Gunung Ciremai Provinsi Jawa Barat*. Thesis. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor. Jawa Barat.

Munthe, A. S., Purba, E., dan Lahay, R. R. 2016. *Respons Perkecambahan Biji Gulma Eleusine indica L. Gaertn terhadap kedalaman dan Waktu Terkubur (Germination seed response of Eleusine indica L. Gaertn to depth and buried time).* Agroeko teknologi, 4(4): 2367–2375.

Murtinah, V., Edwin, M. dan Bane, O. 2017. *Dampak Kebakaran Hutan Terhadap Sifat Fisik dan Kimia Tanah di Taman Nasional Kutai, Kalimantan Timur.* Jurnal Pertanian Terpadu, 5(2): 128–139. https://doi.org/10.36084/jpt..v5i2.133

Nagur, Y. 2017. *Kajian hubungan bahan organik tanah terhadap produktivitas lahan tanaman padi di Desa Kebonagung*. Skripsi. Fakultas Pertanian. Universitas Pembangunan Nasional "Veteran" Yogyakarta. Yogyakarta.

Nahdi, M. S., dan Darsikin, D. 2015. *Distribusi dan Kemelimpahan Spesies Tumbuhan Bawah pada Naungan* Pinus merkusii, Acacia auriculiformis *dan* Eucalyptus alba *di Hutan Gama Giri Mandiri, Yogyakarta.* Jurnal Natur Indonesia, 16(1): 33. https://doi.org/10.31258/jnat.16.1.33-41

Nasiri, M. 2013. *Determining the priority of effective factors on forest fire from analytical hierarchy process.* Journal of Applied Biological Sciences, 7(1): 61–64.

Numata, I., Silva, S. S., Cochrane, M. A. and d'Oliveira, M. V. 2017. *Fire and edge effects in a fragmented tropical forest landscape in the southwestern Amazon*. Forest Ecology and Management, 401: 135–146. https://doi.org/10.1016/j.foreco.2017.07.010

Nurcholis, O., dan Kurniawan, S. 2021. *Sifat Kimia Tanah Pasca Kebakaran Lahan Di Kebun Kelapa Sawit Di Kabupaten Tulang Bawang Provinsi Lampung.* Jurnal Tanah Dan Sumberdaya Lahan, 8(1): 19–25. https://doi.org/10.21776/ub.jtsl.2021.008.1.3

Nurida, N., dan Jubaedah, J. (2014). *Teknologi peningkatan cadangan karbon lahan kering danpotensinya pada skala nasional.* Dalam F. Agus (Ed.), Konservasi tanah menghadapi perubahan iklim (pp. 53–81). IAARD Press, Balai Penelitian dan Pengembangan Pertanian.

O'Donnell, J., Fryirs, K. A. and Leishman, M. R. 2016. *Seed banks as a source of vegetation regeneration to support the recovery of degraded rivers: A comparison of river reaches of varying conditions.* Science of the Total Environment, 542: 591–602. https://doi.org/10.1016/ j.scitotenv.2015.10.118

Odum, E. 1996. *Dasar-dasar Ekologi*. Terjemahan oleh Samingan (ed.). Edisi Ketiga. Gadjah Mada University Press. Yogyakarta.

Oliveira, P. H. G., Gama-Rodrigues, A. C., Gama-Rodrigues, E. F. and Sales, M. V. S. 2018. *Litter and soil-related variation in functional group abundances in cacao agroforests using structural equation modeling.* Ecological Indicators, 84: 254–262. https://doi.org/10.1016/j.ecolind. 2017.08.030

Otero, M., Santos, D., Barros, A. C., Calapez, P., Maia, P., Keizer, J. J., Esteves, V. I. and Lillebø, A. I. 2015. *Soil properties, phosphorus fractions and sorption after wildfire in north-central Portugal*. Geoderma Regional, 5: 86–95. https://doi.org/10.1016/j.geodrs.2015.04.003

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Palmero-Iniesta, M., Domènech, R., Molina-Terrén, D. and Espelta, J. M. 2017. *Fire behavior in Pinus halepensis thickets: Effects of thinning and woody debris decomposition in two rainfall scenarios.* Forest Ecology and Management, 404: 230–240. https://doi.org/10.1016/j.foreco.2017.08.043

Pausas, J. G., and Keeley, J. E. 2017. *Epicormic Resprouting in Fire-Prone Ecosystems.* Trends in Plant Science, 22(12): 1008–1015. https://doi.org/10.1016/j.tplants.2017.08.010

Penttilä, R., Junninen, K., Punttila, P. and Siitonen, J. 2013. *Effects of forest restoration by fire on polypores depend strongly on time since disturbance – A case study from Finland based on a 23-year monitoring period*. Forest Ecology and Management, 310: 508–516. https://doi.org/10.1016/ j.foreco.2013.08.061

Pereira, P., Cerda, A., Martin, D., Tabobeda, X., Depellegrin, D., Novara, A., Martïnez-Murillo, J. F., Brevik, E. C., Menshov, O., Rodrigo Comino, J. and Miesel, J. 2017. *Short-term low-severity spring grassland fire impacts on soil extractable elements and soil ratios in Lithuania*. Science of the Total Environment, 578: 469–475. https://doi.org/10.1016/j.scitotenv.2016.10.210

Pinto-Correia, T. and Kristensen, L. 2013. *Linking research to practice: The landscape as the basis for integrating social and ecological perspectives of the rural*. Landscape and Urban Planning, 120: 248–256. https://doi.org/10.1016/j.landurbplan.2013.07.005

Pinto, C., Viegas, D., Almeida, M., and Raposo, J. 2017. *Fire whirls in forest fires : An experimental analysis.* Fire Safety Journal: 87, 37–48. https://doi.org/10.1016/j.firesaf.2016.11.004

Purnomo, D. W., Mahat, M., Farid, K., Rosniati, A. R. dan Joko, R. W. 2015. *Pengembangan Koleksi Tumbuhan Kebun Raya Daerah Dalam Kerangka Strategi Konservasi Tumbuhan di Indonesia.* Buletin Kebun Raya, 18(2): 111–124.

Purnomo, H., Okarda, B., Ayu, A., Ali, M., Achdiawan, R., Kartodihardjo, H., Pacheco, P., and Juniwaty, K. S. 2018. *Reducing forest and land fires through good palm oil value chain*. Forest Policy and Economics, 91: 94–106. https://doi.org/10.1016/j.forpol.2017.12.014

Purnomo, H., Shantiko, B., Sitorus, S., Gunawan, H., Achdiawan, R., Kartodihardjo, H., and Dewayani, A. A. 2017. *Fire economy and actor network of forest and land fires in Indonesia.* Forest Policy and Economics, 78: 21–31. https://doi.org/10.1016/j.forpol.2017.01.001

Putri, W., Qayim, I., and Qadir, A. 2017. *Soil Seed Bank of Two Karst Ecosystems in Bogor, Indonesia: Similarity with the Aboveground Vegetation and Its Restoration Potential*. Journal of Tropical Life Science, 7(3): 224–236. https://doi.org/10.11594/jtls.07.03.07

Quevedo, L., Arnan, X., and Rodrigo, A. 2015. *Post-fire forestry management improves fruit weight and seed set in forest coppices dominated by* Arbutus unedo L. Forest Ecology and Management, 345: 65–72. https://doi.org/10.1016/j.foreco.2015.02.030

Rachman, E. dan Hani, A. 2017. *Potensi keanekaragaman jenis vegetasi untuk pengembangan ekowisata di Cagar Alam Situ Panjalu*. WASIAN, 4(1): 1–10.

Ramón, J., Moreno, N., and Moreno, R. 2017. *Influence of fire regime on forest structure and restoration of a native forest type in the southern Andean Range.* Ecological Engineering, 102: 390–396.

Randriamalala, J. R., Hervé, D., Letourmy, P., and Carrière, S. M. 2015. *Agriculture , Ecosystems and Environment Effects of slash-and-burn practices on soil seed banks in secondary forest successions in Madagascar.* Agriculture, Ecosystems and Environment, 199: 312–319. https://doi.org/10.1016/ j.agee.2014.09.010

Richards, P. W. 1966. *The Tropical Rain Forest and Ecological Study*. Cambridge University Press.

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
INDRIANI EKASARI, Dr. rer.silv. Ir. Ronggo Sadono;Prof. Dr. Ir. Djoko Marsono;Dr. Joko Ridho Witono,M.Si
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Rismunandar, R. 2016. *Strategi Kebijakan Pemanfaatan Jasa Lingkungan Air Secara Berkelanjutan di Taman Nasional Gunung Ciremai Kuningan, Jawa Barat*. Disertasi. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor. Jawa Barat.

Robinne, F. N., Miller, C., Parisien, M. A., Emelko, M. B., Bladon, K. D., Silins, U. and Flannigan, M. 2016. *A global index for mapping the exposure of water resources to wildfire.* Forests, 7(1): 1–16. https://doi.org/10.3390/f7010022

Rosales-Rueda, M. and Triyana, M. 2018. *The Persistent Effects of Early-Life Exposure to Air Pollution: Evidence from the Indonesian Forest Fires*. Journal of Human Resources, 54(4): 0117-8497R1. https://doi.org/10.3368/jhr.54.4.0117.8497r1

Ruwanza, S., Gaertner, M., Esler, K. J., and Richardson, D. M. 2013. *The effectiveness of active and passive restoration on recovery of indigenous vegetation in riparian zones in the Western Cape, South Africa: A preliminary assessment.* South African Journal of Botany, 88: 132–141. https://doi.org/10.1016/j.sajb.2013.06.022

Sadili, A., and Kartawinata, K. 2016. *A study of the undergrowth vegetation of Sempu Island, East Java, Indonesia.* Reinwardtia, 15 (1): 1–9.

Saharjo, B. H. and Wibisana, G. 2017. *Persepsi masyarakat dalam upaya pengendalian kebakaran hutan di Taman nasional Gunung Ciremai (Community role to the forest fire control in Mount Ciremai National Park).* Jurnal Silvikultur Tropika, 08 (2): 141–146.

Santibanez-Andrade, G., Castillo-argüero, S., Vega-pe, E. V, Lindig-Cisneros, R. and Zavala-Hurtado, J. A. 2015. *Structural equation modeling as a tool to develop conservation strategies using environmental indicators : The case of the forests of the Magdalena river basin in Mexico City.* Ecological Indicators, 54: 124–136. https://doi.org/10.1016/j.ecolind.2015.02.022

Santos, D. M. dos, Santos, J. M. F. F. dos, Silva, K. A. da, Araújo, V. K. R. de, and Araújo, E. de L. 2016. *Composition, species richness, and density of the germinable seed bank over 4 years in young and mature forests in Brazilian semiarid regions.* Journal of Arid Environments, 129: 93–101. https://doi.org/10.1016/j.jaridenv.2016.02.012

Sapitri, N. 2017. *Tanggapan masyarakat Desa Tegaldowo Kecamatan Gunem Kabupaten Rembang terhadap pembangunan pabrik semen di hutan pegunungan Kendeng*. Skripsi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Sarisha, D. 2018. *Faktor habitat, komposisi jenis tumbuhan bawah, kelimpahan tumbuhan bawah, dan struktur vertikal dan horizontal tegakan jati di Hutan Pangkuan Desa (HPD) Pitu, Kecamatan Piyu, Kabupaten Ngawi*. Skripsi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Sarwono, J. 2010. *Pengertian dasar Structural Equation Modeling (SEM).* Jurnal Ilmiah Manajemen Bisnis, 10 (3): 173–182.

Schüler, L., Hemp, A., Zech, W. and Behling, H. 2012. *Vegetation, climate and fire-dynamics in East Africa inferred from the Maundi crater pollen record from Mt Kilimanjaro during the last glacial-interglacial cycle.* Quaternary Science Reviews, 39:1–13. https://doi.org/10.1016/j.quascirev.2012. 02.003

Seijo, F., Millington, J. D. A., Gray, R., Sanz, V., Lozano, J., García-Serrano, F., Sangüesa-Barreda, G., and Julio-Camarero, J. 2015. *Forgetting fire: Traditional fire knowledge in two chestnut forest ecosystems of the Iberian Peninsula and its implications for European fire management policy.* Land Use Policy, 47: 130–144. https://doi.org/10.1016/j.landusepol.2015.03.006

Setyawati, T., Narulita, S., Bahri, I. P. and Raharjo, G. T. 2015. *A Guide Book to Invasive Plant Species in Indonesiae* (T. Partomihardjo, S. Tjitrosoedirdjo, & S. Sunaryo (eds.)). Research, Developing and Innovation Agency. Ministry of Environment and Forestry Republic of Indonesia. Bogor. Jawa Barat.

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
INDRIANI EKASARI, Dr. rer.silv. Ir. Ronggo Sadono;Prof. Dr. Ir. Djoko Marsono;Dr. Joko Ridho Witono,M.Si
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Shang, Z., Yang, S., Wang, Y., Shi, J. and Ding, L. 2016. *Soil seed bank and its relation with above-ground vegetation along the degraded gradients of alpine meadow*. Ecological Engineering, 90: 268–277. https://doi.org/10.1016/j.ecoleng.2016.01.067

Shi, Y., Xu, L., Zhou, Y., Ji, B., Zhou, G., Fang, H., Yin, J., and Deng, X. 2018. *Quantifying driving factors of vegetation carbon stocks of Moso bamboo forests using machine learning algorithm combined with structural equation model.* Forest Ecology and Management, 429: 406–413. https://doi.org/10.1016/j.foreco.2018.07.035

Siahaan, M., Purba, E. dan Irmansyah, T. 2014. *Komposisi dan kepadatn seed bank gulma pada berbagai kedalaman tanah pertanaman palawija Balai benih Induk Tanjung Selamat (Composition and weed seed bank density at variuos soil depth of crop planting area at Balai Benih Induk Tanjung Selamat)*. Agroekoteknologi, 2(3): 1189–1195.

Sileshi, D. and Abraha, B. 2014. *Assessment of Soil Seedbank Composition of Woody Species in Hgumbirda National Forest Priority Area, Northeastern Ethiopia*. Momona Ethiopian Journal of Science, 6(1): 25. https://doi.org/10.4314/mejs.v6i1.102413

Snyman, H. A. 2005. *The effect of fire on the soil seed bank of a semi-arid grassland in South Africa.* South African Journal of Botany, 71(1): 53–60. https://doi.org/ 10.1016/S0254-6299(15)30149-6

Soerianegara, I. 1988. *Ekologi Hutan Indonesia*. Lab Ekologi Hutan. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor. Jawa Barat.

Soerjani, M., Kostermans, A. J. G. H. and Tjirosoepomo, G. 1987. *Weeds Of Rice In Indonesia*. Balai Pustaka.

Solikha, M. 2013. *Distribusi dan kemelimpahan Arthropoda tanah pasca kebakaran hutan di Taman Nasional Gunung Merapi Yogyakarta*. Skripsi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Sorensen, T. 1948. *A method of establishing groups of equal amplitude in plant sociology based on similarity of species content and its application to analyses of the vegetation on Danish commons.* Biologiske Skrifter, 5 (4), 1–34. https://doi.org/10.1007/BF0285 2438

Souza, D. C. and Engel, V. L. 2018. *Direct seeding reduces costs, but it is not promising for restoring tropical seasonal forests.* Ecological Engineering, 116: 35–44. https://doi. org/10.1016/j.ecoleng. 2018.02.019

Subagyo, S. 1970. *Dasar-dasar Ilmu Tanah.* PT Soeroengan Jakarta.

Sulistyawati, E. and Fitriana, S. 2017. *Post fire succession in Tegal Panjang Grassland, Mount Papandayan, West Java, Indonesia.* Biodiversitas, 18(3): 1226–1233. https://doi.org/10.13057/ biodiv/d180347

Suprihatini, A. J., Tampubolon, B. I., Pramudita, D. dan Ekayani, M. 2019. *Economic losses and forest fire causes at Ranu Pani Resort, Bromo Tengger Semeru National Park.* IOP Conference Series: Earth and Environmental Science, 285(1). https://doi.org/10.1088/1755-1315/285/1/012004

Suryana, N. dan Zulkarnaen, A. 2020. *Kebun Raya Kuningan*. Warta Kebun Raya, 18: 17–28.

Suryani, E. 2014. *Potensi deposit biji di dalam tanah pada tegakan Cemara Udang dengan berbagai jarak tanam di Pantai Lembupurwo, Kebumen*. Skripsi. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Sutomo, S., Fardila, D. dan Priyadi, A. 2015. *Perbandingan komposisi dan keanekaragaman jenis yang berasal dari soil seedbank pada kawasan yang terganggu dan tidak terganggu erupsi 2010 di gunung Merapi, Yogyakarta.* Prosiding Seminar Nasional Biodiversitas Indonesia, 1: 721–726. https://doi.org/10.13057/psnmbi/ m010406

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
INDRIANI EKASARI, Dr. rer.silv. Ir. Ronggo Sadono;Prof. Dr. Ir. Djoko Marsono;Dr. Joko Ridho Witono,M.Si
Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Svátek, M., Rejžek, M., Kvasnica, J., Řepka, R. and Matula, R. 2018. *Frequent fires control tree spatial pattern, mortality and regeneration in Argentine open woodlands.* Forest Ecology and Management, 408: 129–136. https://doi.org/10.1016/j.foreco. 2017.10.048

Syaufina, L. 2008. *Kebakaran Hutan dan Lahan di Indonesia: Perilaku Api, Penyebab dan Dampak Kebakaran*. PT Bayu Media, Malang, Jawa Timur.

Syaufina, L., Susilo, A., Fambayun, R. dan Hutauruk, F. 2019. *Pedoman teknis pembuatan sekat bakar di kawasan hutan*. Fakultas Kehutanan. Institut Pertanian Bogor. Bogor. Jawa Barat.

Taboada, A., Tárrega, R., Marcos, E., Valbuena, L., Suárez-Seoane, S. and Calvo, L. 2017. *Fire recurrence and emergency post-fire management influence seedling recruitment and growth by altering plant interactions in fire-prone ecosystems*. Forest Ecology and Management, 402: 63–75. https://doi.org/10.1016/j.foreco.2017.07.029

Tang, S., Xu, Z., and Feng, N. 2021. *Behavior intentions of urban forest recreationists based on structural equation model.* Ecological Informatics, 66: 101432. https://doi.org/10.1016/j.ecoinf. 2021.101432

Tessler, N., Wittenberg, L. and Greenbaum, N. 2016. *Vegetation cover and species richness after recurrent forest fires in the Eastern Mediterranean ecosystem of Mount Carmel, Israel.* Science of the Total Environment, 572: 1395–1402. https://doi.org/10.1016/ j.scitotenv.2016.02.113

Tian, X., Zhao, F., Shu, L. and Wang, M. 2013. *Distribution characteristics and the influence factors of forest fires in China.* Forest Ecology and Management, 310: 460–467. https://doi.org/10.1016/j.foreco.2013.08.025

Trammell, B. W., Hart, J. L., Schweitzer, C. J., Dey, D. C. and Steinberg, M. K. 2017. *Effects of intermediate-severity disturbance on composition and structure in mixed Pinus-hardwood stands.* Forest Ecology and Management, 400: 110–122. https://doi.org/10.1016/j.foreco.2017.05.055

Veeraswamy, A., Galea, E. R., Filippidis, L., Lawrence, P. J., Haasanen, S., Gazzard, R. J. and Smith, T. E. L. 2018. *The simulation of urban-scale evacuation scenarios with application to the Swinley forest fire.* Safety Science, 102: 178–193. https://doi.org/10.1016/j.ssci.2017.07.015

Vosse, S., Esler, K. J., Richardson, D. M. and Holmes, P. M. 2008. *Can riparian seed banks initiate restoration after alien plant invasion? Evidence from the Western Cape, South Africa*. South African Journal of Botany, 74(3): 432–444. https://doi.org/10.1016/ j.sajb.2008.01.170

Wanda, G. 2016. *Kapabilitas Pemerintah Daerah Provinsi Riau dalam pengendalian kebakaran hutan dan lahan penyebab bencana kabut asap: Hambatan dan tantangan*. Thesis. Fakultas Kehutanan. Universitas Gadjah Mada. Yogyakarta.

Wang, L., Zhang, G., Zhu, P., Xing, S. and Wang, C. 2022. *Soil C, N and P contents and their stoichiometry as affected by typical plant communities on steep gully slopes of the Loess Plateau, China.* Catena, 208: 105740. https://doi.org/10.1016/j.catena. 2021.105740

Wang, Y., Chu, L., Daryanto, S., Lü, L., Ala, M. S. and Wang, L. 2019. *Sand dune stabilization changes the vegetation characteristics and soil seed bank and their correlations with environmental factors.* Science of the Total Environment, 648: 500–507. https://doi.org/10.1016/j.scitotenv.2018.08.093

Wasserman, S. and Faust, K. 1994. *Social Network Analysis: Methods and Applications* (Vol 1). Cambrige University Press.

Whitmore, T. 1988. *Tropical Rain Forest of the Far East. 2nd Edition.* Oxford University Press. Oxford.

UNIVERSITAS
GADJAH MADA
Kajian Restorasi Kawasan Pasca Kebakaran di Taman Nasional Gunung Ciremai dan Kebun Raya Kuningan
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Witkowski, E. T. F. and Garner, R. D. 2008. *Seed production, seed bank dynamics, resprouting and long-term response to clearing of the alien invasive* Solanum mauritianum *in a temperate to subtropical riparian ecosystem.* South African Journal of Botany, 74(3): 476–484. https://doi.org/10.1016/j.sajb.2008.01.173

Yang, D. and Li, W. 2013. *Soil seed bank and aboveground vegetation along a successional gradient on the shores of an oxbow.* Aquatic Botany, 110: 67–77. https://doi.org/10.1016/j.aquabot. 2013.05.004

Yang, Y., Zhang, X., Zhang, C., Wang, H., Fu, X., Chen, F., Wan, S., Sun, X., Wen, X. and Wang, J. 2018. *Understory vegetation plays the key role in sustaining soil microbial biomass and extracellular enzyme activities*. Biogeosciences, 15(14): 4481–4494. https://doi.org/10.5194/bg-15-4481-2018

Yuniarsih, A. Marsono, D. Pudyatmoko, S. dan Sadono, R. 2014. *Pemodelan sistem pengusahaan wisata alam di Taman Nasional Gunung Ciremai, Jawa Barat (Modelling of Nature Tourism Management System in Gunung Ciremai National Park, West Java)*. Journal Manusia Dan Lingkungan, 21(2): 220–231. https://doi.org/10.22146/jml.18547

Yuniarsih, A., Marsono, D., Pudyatmoko, S., & Sadono, R. 2014. *Zonasi Taman Nasional Gunung Ciremai Berdasarkan Sensitivitas Kawasan Dan Aktivitas Masyarakat.* Jurnal Penelitian Hutan dan Konservasi Alam, 11(3), 239–259. https://doi.org/10.20886/jphka.2014.11.3.239-259

Zeb, A., Hamann, A., Armstrong, G. W. Acuna-Castellanos, D. 2019. *Identifying local actors of deforestation and forest degradation in the Kalasha valleys of Pakistan.* Forest Policy and Economics, 104: 56–64. https://doi.org/10.1016/j.forpol.2019.04. 005

Zhang, H. and Chu, L. M. 2013. *Changes in soil seed bank composition during early succession of rehabilitated quarries.* Ecological Engineering, 55: 43–50. https://doi.org/10.1016/ j.ecoleng.2013.02.002

Zhang, Y. and Chen, H. Y. H. 2015. *Individual size inequality links forest diversity and above-ground biomass.* Journal of Ecology, 103(5): 1245–1252. https://doi.org/10.1111/1365-2745.12425

Zida, D., Sanou, L., Diawara, S., Savadogo, P. and Thiombiano, A. 2020. *Herbaceous seeds dominates the soil seed bank after the long-term prescribed fire, grazing, and selective tree cutting in savanna-woodlands of West Africa.* Acta Oecologica, 108: 103607. https://doi.org/10.1016/j.actao. 2020.103607

Zobel, M., Kalamees, R., Püssa, K., Roosaluste, E. and Moora, M. 2007. *Soil seed banks and vegetation in mixed coniferous forest stands with different disturbance regimes.* Forest Ecology and Management, 250: 71–76. https://doi.org/10.1016/j.foreco. 2007.03.011

Zuhri, M. dan Mutaqien, Z. 2010. *Potensi Cadangan Biji di Dalam Tanah pada Hutan Sekunder Wornojiwo*. Seminar Nasional HUT Kebun Raya Cibodas Ke-159, January 2010.

Zuhriana, D. 2012. *Pengembangan sosial ekonomi masyarakat daerah penyangga Taman Nasional Gunung Ciremai*. Disertasi. Fakultas Kehutanan. Institut Pertanian Bogor.Bogor. Jawa Barat.