

Curriculum Vitae

I. Personal Information

1. Full name : Dr. Hatma Suryatmojo, S.Hut., M.Sc
2. Affiliation : Faculty of Forestry, Universitas Gadjah Mada
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Education and training

Education

Dates	September 1994 – November 1999
Title of qualification awarded	Bachelor of Forestry (Bs.For)
Principal subjects	Forest Resource Conservation
Title of research	Correlation of Rainfall Characteristics and Peak-Suspended Discharge.
Name and type of organisation providing education	Faculty of Forestry Universitas Gadjah Mada Indonesia
Dates	September 2004 – April 2007
Title of qualification awarded	Master of Science (M.Sc)
Principal subjects	Forest Hydrology and Soil Erosion
Title of research	Catchment Hydrology in The Different Types of Forest Cover (Study Case on Pine Forest and Mix Planting Forest Catchments, Wonogiri District, Central Java Province).
Name and type of organisation providing education	Faculty of Geography Universitas Gadjah Mada Indonesia
Dates	October 2010 – September 2013
Title of qualification awarded	Doctor of Agriculture Science (Dr.)
Principal subjects	Forest Hydrology and Erosion Control
Title of research	Impact of Intensive Forest Management System on Runoff and Erosion in the Indonesian Tropical Rainforest
Name and type of organisation providing education	Graduate School of Agriculture Kyoto University Japan

Training

Dates	15 – 19 August 2007
Occupational skills covered	Assessor for Forest Timber Private Business, (Training)
Organisation providing training	Faculty of Forestry, Universitas Gadjah Mada, Indonesia
Dates	05 – 9 November 2007
Occupational skills covered	Integrated Water Resources Management (IWRM) Plan, (Training for Trainers)
Organisation providing training	NUFFIC The Netherlands and Collaborative Knowledge Network (CKNet) - Indonesia
Dates	14– 18 July 2008
Occupational skills covered	Economic and Finance Instrument on IWRM, (Short Course)
Organisation providing training	NUFFIC The Netherlands and Collaborative Knowledge Network (CKNet) - Indonesia
Dates	10 – 16 August 2008
Occupational skills covered	Community Development on Disaster Reduction, (Training for Trainers)
Organisation providing training	Research Center for Disaster, Universitas Gadjah Mada, Indonesia
Dates	6 – 24 July 2009
Occupational skills covered	Watershed and River Basin Management, (Short Course)
Organisation providing training	UNESCO-IHE, Delft, The Netherlands
Dates	28 November – 9 December 2011
Occupational skills covered	Introduction to River Basin Environment Assessment under Climate Change, (Training Course).
Organisation providing training	Kyoto University and UNESCO-IHE Delft
Dates	22 – 24 March 2014
Occupational skills covered	Integrated Water Resources Management (IWRM) Toolbox, (Short Course)
Organisation providing training	Global Water Partnership
Dates	18 – 29 July 2016
Occupational skills covered	International Leadership and Learning Training, Ashridge Business School, UK
Organisation providing training	Rolls Royce Leadership & Development Center, UK

Teaching

Under graduate	Soil and Water Conservation Hydrometeorology Watershed Management Research Methodology
Post Graduate	Forest Hydrology Watershed Management Conservation Area Restoration Natural Resources Conservation and Environment Forest Conservation Modelling

Work experience

Dates	10 September 1997 – 10 November 1999
Occupation or position held	Research Assistant
Name and address of employer	Faculty of Forestry Universitas Gadjah Mada Indonesia
Dates	01 December 1999 – 31 December 2002
Occupation or position held	Researcher
Name and address of employer	Laboratory of Watershed Management Department of Forest Resource Conservation Faculty of Forestry Universitas Gadjah Mada Indonesia
Dates	1 December 2002 → present
Occupation or position held	Education staff / Lecturer
Name and address of employer	Faculty of Forestry Universitas Gadjah Mada Indonesia
Dates	01 April 2003 – 30 November 2003
Occupation or position held	Coordinator on The Development of Criteria and Indicator of Ecosystem Disturbances on Serayu River Basin
Name and address of employer	The Ministry of Environmental Indonesia
Dates	01 July 2003 – 30 September 2003
Occupation or position held	Research Assistant on Grand Design of Water Resources Development Program, Progo-Opak-Oyo River Basin

Name and address of employer	Indra Karya (Consultant company) Jakarta, Indonesia
Dates	01 July 2003 – 30 September 2003 and 01 July 2004 – 30 September 2004
Occupation or position held	Independent Assessor on National forest conservation program
Name and address of employer	Faculty of Forestry Universitas Gadjah Mada Indonesia
Dates	02 January 2004 – 31 December 2006
Occupation or position held	Executive Secretary
Name and address of employer	Higher education institution development program, Grants from Directorate General of Higher Education, Ministry of Education, Indonesia to Faculty of Forestry, Universitas Gadjah Mada
Dates	02 September 2007 – 31 December 2007
Occupation or position held	Vice Executive Director
Name and address of employer	Information and Communication Technology (ICT) development for higher education Grants from Directorate General of Higher Education, Ministry of Education, Indonesia to Faculty of Forestry, Universitas Gadjah Mada
Dates	02 June 2008 – 31 December 2008
Occupation or position held	Task Force Team
Name and address of employer	University development program Grants from Directorate General of Higher Education, Ministry of Education, Indonesia to Universitas Gadjah Mada
Dates	10 August 2008 – 10 October 2008
Occupation or position held	Team Leader
Name and address of employer	Development of demonstration plot for landslide reduction in Temanggung District from The Ministry of Environment
Dates	14 July 2009 – 14 August 2009
Occupation or position held	Team leader
Name and address of employer	Community development on conservation and rehabilitation in Dieng Plateu community from The Ministry of Environment
Dates	1 July – 31 December 2014
Occupation or position held	Coordinator for Academic Networking for Asia, Middle East and African countries
Name and address of employer	Directorate of Cooperation and International Affair Universitas Gadjah Mada
Dates	1 January 2015 – 30 September 2017

Occupation or position held	Deputy Director
Name and address of employer	Center for Academic Innovation and Studies Universitas Gadjah Mada
Dates	30 September 2017 – present
Occupation or position held	Director
Name and address of employer	Center for Academic Innovation and Studies Universitas Gadjah Mada

Research Experiences

1. Hydrological response of pine forest on water balance and soil erosion, Wonogiri District, Central Java, 1999 – 2002.
2. Forest land evaluation for agro-industry in Central Java, 2000.
3. The impact of land use changes in upstream watershed to soil erosion, Wonogiri District, Central Java, 2002.
4. Hydrological response of mix planting forest (*Pinus merkusii* and *Schima wallichii*) on forest growth, water balance, soil erosion and nutrient balance, Wonogiri District, Central Java, 2003 – 2005.
5. The role of pine forest on ecosystem services with carbon absorption and water resource supply, 2004.
6. Design of environmental management on Segoro Anakan watershed, Alas Purwo National Park, Indonesia, 2004.
7. Analysis of discharge hydrograph, infiltration capacity and soil moisture on pine forest in the different age of plantation, 2005.
8. Potential of water resources on upstream catchment of Opak watershed, 2006.
9. Design of water control structures on Serang watershed, 2006.
10. Spring water investigation of karst formation on Alas Purwo National Park, Indonesia, 2007.
11. Distribution and disturbances of bamboo forest on Alas Purwo National Park, Indonesia, 2007-2008.
12. Impact of silviculture intensif technology on water balance and biodiversity changes on tropical rain forest, Kalimantan, Indonesia, 2009.
13. Hydrological response of intensive forest management system on tropical rain forest, Kalimantan, Indonesia, 2009 - 2014.
14. Hydrological response of peatland forest with different types of vegetation structures in Kampar Peninsula, Riau, Indonesia, 2009 - 2010.
15. Hydrological Response of Micro Catchment Model in Gunungkidul District, Indonesia. 2014 – 2016.
16. Flood and Sedimentation Analysis for National Capital Integrated Coastal Development in Upstream Catchment of Ciliwung Watershed, Indonesia. 2015.
17. Hydrological response of Teak (*Tectona grandis*) plantation with different types of canopy cover in Central Java, Indonesia. 2015.
18. Water balance study of agroforestry (coffee plantation in the forested areas) in Temanggung District, Central Java, Indonesia. 2015 – 2016.
19. Runoff and sediment in the Watugede micro catchment, Gunung Kidul District, DIY, Indonesia. 2015 – 2016.

20. Hydrological response of various land cover type in the three upstream catchments of Merawu watershed, Banjarnegara District, Central Java, Indonesia. 2015 – 1017.
21. Effectiveness of Payment for Environmental Services (PES) program for community empowerment and forest rehabilitation in West Lombok, Indonesia. 2015 – 2017.
22. Integrated study on flood potency in the upstream catchment of Ciliwung river basin for Jakarta flood mitigation (National Capital Integrated Coastal Development). 2016.
23. Community awareness on sustainable peatland management in Sebokor and Tanah Lembak villages of South Sumatra Province. Indonesia. 2017.
24. Integrated conservation model for ecosystem disaster mitigation in the upstream Merawu watershed, Banjarnegara district, Indonesia. 2017-2019.
25. Towards a fire early warning system on peatland (Study case in Riau Province, Indonesia). 2017 – 2019.
26. Community Perspective on Haze Surrounding a Protected Area in South Sumatra Province. Collaborative Action Research with UNESCO – Jakarta. 2017.
27. Community Awareness on Sustainable Peatland Management in Sebokor and Tanah Lembak Village of South Sumatra Province. Collaborative Action Research with UNESCO – Jakarta. 2018.

List of Publications

1. Suryatmojo, H. Impact of pine forest plantation on water balance and soil erosion. *Proceedings of Workshop on hydrological research*, Yogyakarta, Indonesia, 2002.
2. Suryatmojo, H. Development of Gunung Kidul area with land conservation and environmental friendly. *Proceedings of Workshop on agro business development based on local resources to advocating economic development in South Java region*, Malang, Indonesia, 2002.
3. Suryatmojo, H. The role of forest as the environmental services provider. *Journal of Conservation*, Department of Natural Resources Conservation, Yogyakarta, Indonesia, 2005.
4. Suryatmojo, H. The control of water cycle and landslide with vegetation engineering. *Journal of Conservation*, Department of Natural Resources Conservation, Yogyakarta, Indonesia, 2005.
5. Suryatmojo, H. Hydrological response of mix planting forest management. *Proceedings of seminar on developing the management and utilization of common people forest*, Yogyakarta, Indonesia, 2005.
6. Suryatmojo, H. The strategy of karst ecosystem management on Gunungkidul district. *Proceedings of seminar on rehabilitation strategy of conservation area in the densely populated*, Yogyakarta, Indonesia, 2006.
7. Sriyono, Suryatmojo, H., 2007. Geo-potency Prospect of Blambangan Peninsula as supporter for conservation development on Alas Purwo National Park, East Java, Indonesia. *Proceedings of Annual Convention and Exhibition on the 32nd HAGI and the 36th IAGI*. Bali, Indonesia, 2007.
8. Suryatmojo, H. Vegetation selection for landslide hazard reduction. *Journal of Disaster Management*, Research center for disaster, Universitas Gadjah Mada, Indonesia, 2008.
9. Suryatmojo, H. The Effect of line planting on infiltration capacity. *Proceedings of International Seminar "Research on Plantation Forest Management: Challenges and Opportunities"*, Bogor, Indonesia, 2009.
10. Suryatmojo, H., Karyanto, O., Qomar, N., Sartohadi, J., Susanti, A., Purwanto, B. Monitoring carbon flux from Tropical Peatland under disturbance: Importance of different approaches to reduce uncertainties when upscaling at landscape scale. *Proceeding of XXII IUFRO World Congress*, Seoul, South Korea. August 2010.

11. Suryatmojo, H., Nugroho, P., Rohman Hakim, A., Kosugi, K., Mizuyama, T. Status of water balance in tropical rainforest with selective cutting and line planting treatments. *Proceedings of International Conference on Sustainable Future for Human Security*. Kyoto University, Kyoto, Japan, Volume 1, pp. 450-459. December, 2010.
12. Suryatmojo, H., Fujimoto, M., Kosugi, K., Mizuyama, T. Impact of canopy cover changes on forest interception in the intensive forest management system in a tropical Indonesia rainforest. *Proceedings of International Conference on Sustainable Future for Human Security*. Kyoto University, Kyoto, Japan, Volume 2, pp. 557-564. October, 2011.
13. Suryatmojo, H., Fujimoto, M., Kosugi, K., Mizuyama, T. Impact of selective logging and intensive line planting system on runoff and soil erosion in a tropical Indonesia rainforest. *Proceedings of River Basin Management VI*. Wessex Institute of Technology, UK, Volume 146, pp. 288-300. May, 2011.
14. Runoff characteristics at different forest cover catchments in a tropical Indonesia rainforest. *Proceedings of The IHP Symposium on Extreme Event : Meteorological, Hydrological and Tsunami Disasters: Social Adaptation and Future*. Kyoto University, Kyoto, Japan, pp. 19-28. May, 2011.
15. Impact of forest management system on runoff and soil erosion in a tropical Indonesia rainforest. *Proceedings of Annual Meeting of Japan Society of Erosion Control Engineering*, JSECE Publication, No. 61. Yokohama, Japan, pp. 612-613. 2011.
16. Infiltration characteristics under selective logged and intensive line planted in a tropical Indonesia rainforest. *Proceedings of Annual Meeting of Japan Society of Erosion Control Engineering*, JSECE Publication, No. 66. Kochi, Japan, pp. 442-443. 2012.
17. Suryatmojo, H., Fujimoto, M., Kosugi, K., Mizuyama, T. Effects of selective logging methods on runoff characteristics in paired small headwater catchments. *Procedia Environmental Sciences* 17, Elsevier, pp. 221-229. 2013.
18. Putra, S.S., Hassan, C., Djudi, Suryatmojo, H. Reservoir Saboworks solutions in Limboto lake sedimentations Northern Sulawesi, Indonesia. *Procedia Environmental Sciences* 17, Elsevier, pp. 230-239. 2013.
19. Nugroho, P., Marsono, D., Sudira, P., Suryatmojo, H. Impact of land-use changes on water balance. *Procedia Environmental Sciences* 17, Elsevier, pp. 256-262. 2013.
20. Suryatmojo, H., Fujimoto, M., Kosugi, K., Mizuyama, T. Water balance changes in the tropical rainforest with intensive forest management system. *International Journal of Sustainable Future for Human Security (J-Sustain)* 1(2) pp.56-62. 2013.
21. Suryatmojo, H. Recovery of forest soil disturbance in the Intensive Forest Management System. *Procedia Environmental Sciences* 20, Elsevier, pp. 832-840. 2014
22. Suryatmojo, H., Fujimoto, M., Kosugi, K., Mizuyama, T. Runoff and soil erosion characteristics in different periods of an intensive forest management system in a tropical Indonesian rainforest. *International Journal of Development and Planning*, Vol. 9, No. 6, pp. 830-846. 2014.
23. Suryatmojo, H. Impact of human activities in the water quality variation of Elo river. *Proceeding of International Conference on Ecohydrology "Ecohydrology Approaches Facing the Global Water Environment Challenges"* 2014.
24. Suryatmojo, H. PES program contribution in the watershed conservation in West Lombok, Indonesia. *Proceeding of International Symposium "Integrated Actions for Global Water and Environmental Sustainability"*, pp. 33-37. 2015.
25. Suryatmojo, H. and Imron, M. Hydrological Processes in different types of Teak (*Tectona grandis* L.) plantation. *Sustainable Future for Human Security*. Book Chapter, pp. 11-19. 2017.
26. Guruh, S., Hadmoko, D.S., Wicaksono, G.N., Adi, I.P., Yudinugroho, M., Wibowo, S.B., Suryatmojo, H., Purwanto, T.H. Widartono, B.S., and Lavigne, F. The March 25 and 29, 2016 landslide-induced debris flow at Clapar, Banjarnegara, Central Java. *Landslides*. Springer Nature. 2018. DOI 10.1007/s10346-018-0958-4

