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**Specialization** : Landscape Ecology and Environmental Modeling  
**Dissertation** : Designing Agro-forestry Landscapes for Low Carbon Society in West Java Region, Indonesia

## PERSONAL

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## EDUCATION

- 1996 - 2001 Bogor Agricultural Institute (IPB), Faculty of Agriculture, Department of Agricultural Cultivation, Program Study of Landscape Architecture.  
Under Graduate Research Thesis was in Aspect of Landscape Ecology  
Thesis Title: Water Resources Management in Rural Landscape at Cianjur Watershed, Cianjur District, West Java.
- 2001 - 2002 The University of Tokyo (UT), Faculty of Agriculture, Graduate School of Agriculture and Life Sciences, Laboratory of Asian Natural Environmental Science Center (ANESC).  
As Research Student (Received Scholarship from JASSO).
- 2002 - 2007 Bogor Agricultural Institute (IPB), Department of Landscape Architecture, Program Study of Landscape Architecture.  
Graduated Research Thesis was in Aspect of Landscape Evaluation Management.  
Thesis Title: Evaluation of Land Suitability for Environmentally Agrotourism in Ciliwung Watershed (Case Study in Bogor and Puncak Region).
- 2009 - 2012 Hiroshima University (HU), Graduate School for International Development and Cooperation, Department of Development Technology.  
Graduated Research Dissertation was in Aspect of Landscape Ecology Management.  
Thesis Title: Designing Agro-forestry Landscapes for Low Carbon Society in West Java Region, Indonesia

## COURSES

### Graduate School(Master & PhD):

- Sustainable Landscape Management
- Rural and Agricultural Landscape
- Landscape Ecology

### Undergraduate (Bachelor):

- Introduction to Agricultural Sciences
- Fundamentals of Landscape Architecture
- Introduction to Landscape Ecology
- Landscape Management
- Administration and Profession in Landscape Architecture

## PUBLICATIONS (LAST 5 YEARS)

1. **Kaswanto**. 2015. Land Suitability for Agrotourism through Agriculture, Tourism, Beautification and Amenity (ATBA) Method. *Procedia Environmental Sciences* 24(0):35-38.
2. Aroengbinang BW, **Kaswanto**. 2015. Driving Force Analysis of Land Use and Cover Changes in Cimandiri and Cibuni Watersheds. *Procedia Environmental Sciences* 24(0):184-188.
3. Febriana NPR, **Kaswanto**. 2015. Tourism Track Management of Cibeureum Waterfall as A Provider of Landscape Beautification Service at Gunung Gede Pangrango National Park. *Procedia Environmental Sciences* 24(0):174-183.
4. Arifasihati Y, **Kaswanto**. 2014. Analysis of Land Use and Cover Changes in Ciliwung and Cisadane Watershed During Three Times. *Proceeding of The 1th International Symposium on LAPAN-IPB Satellite 2014 (LISat Symposium 2014)*. Bogor.
5. **Kaswanto**, N Nakagoshi. 2014. Landscape Ecology-Based Approach for Assessing Pekarangan Condition to Preserve Protected Area in West Java. In: Nakagoshi N, Mabuhay JA, editors. *Designing Low Carbon Societies in Landscape*: Springer.
6. Arifin HS, **Kaswanto**, N Nakagoshi. 2014. Low Carbon Society Through Pekarangan, Traditional Agroforestry Practices in Java, Indonesia In: Nakagoshi N, Mabuhay JA, editors. *Designing Low Carbon Societies in Landscape*: Springer
7. Arkham HS, HS Arifin, **Kaswanto**. 2013. Manajemen Lanskap Ruang Terbuka Biru di Daerah Aliran Sungai Ciliwung. *Prosiding Lokakarya dan Seminar FKPTPI*. Bogor.
8. Faradilla E, HS Arifin, **Kaswanto**. 2013. Rencana Pengelolaan Lanskap Eco-Art Park di Sentul City, Bogor. *Prosiding Lokakarya dan Seminar FKPTPI*. Bogor.
9. Hadi AA, **Kaswanto**, M Baihaqi, C Syah, . 2013. Desain Lanskap Agroforestry Calon Hutan Kota Penggilingan Jakarta Timur. *Prosiding Lokakarya dan Seminar FKPTPI*. Bogor.
10. **Kaswanto**, M Baihaqi, AA Hadi. 2013. Potensi Pekarangan dalam Peningkatan Jasa Lanskap di Kawasan Perdesaan. *Prosiding Lokakarya dan Seminar FKPTPI*. Bogor.
11. **Kaswanto**, and N Nakagoshi. 2012. Revitalizing *Pekarangan* Home Gardens, a Small Agroforestry Landscape for Low Carbon Society. *HIKOBIA* 16: 161-171.
12. **Kaswanto**, HS Arifin, and N Nakagoshi. 2012. Water Quality Index as a Simple Indicator for Sustainability Management of Rural Landscape in West Java, Indonesia. *International Journal of Environmental Protection* 2(12): 17-27.
13. Arifin HS, **Kaswanto**, A Munandar, and G Schultink. 2012. The Role and Impacts of Small-Scale Homestead Agro-Forestry Systems ("*Pekarangan*") on Household Prosperity: An Analysis of Agro-Ecological Zones of Java, Indonesia. *International Journal of Agriscience* 2(10): 896-914.
14. **Kaswanto**. 2012. Low Carbon Societies toward Agroforestry System on Rural Landscape in West Java, Indonesia. *Proceeding of the 55<sup>th</sup> Symposium of the International Association for Vegetation Science*. Mokpo, Korea.

15. Kaswanto, N Nakagoshi, and K Kawamura. 2012. Ecosystem Services through Carbon Stock Estimation at Watershed Scale in West Java, Indonesia. Proceeding of the 5<sup>th</sup> EAFES International Congress. Otsu, Japan.
16. Sandora RM, Kaswanto, AG Ahmad, S Wulandari, A Ahmed and SB Nugroho. 2011. Enlargement and Sustainability of Municipal Solid Waste Composting in Megacity: A Case Study for Surabaya City. *Journal of International Development and Cooperation* 18(2):7-17.
17. Arifin HS, Kaswanto and N Nakagoshi. 2011. Low Carbon Society through *Pekarangan* Traditional Agroforestry Practices in Java, Indonesia. Proceeding of the 8th International Association for Landscape Ecology (IALE) World Congress CD-ROM. IALE Organizing Committee. Beijing, China.
18. Kaswanto, and N Nakagoshi. 2011. Designing Low Carbon Society through *Pekarangan* Management of Rural Communities in Java, Indonesia. Proceeding of the 8th International Association for Landscape Ecology (IALE) World Congress CD-ROM. IALE Organizing Committee. Beijing, China.
19. Kaswanto, and N Nakagoshi. 2011. Landscape Ecology based Approach for Assessing *Pekarangan* Condition to Preserve Protected Areas in West Java. Proceeding of the 8th International Association for Landscape Ecology (IALE) World Congress CD-ROM. IALE Organizing Committee. Beijing, China.
20. Kaswanto, N Nakagoshi, and HS Arifin. 2011. Designing Low Carbon Society Management toward Sustainability of Homegardens Practices in Indonesia. Proceeding of the 58th Annual Meeting of Ecological Society of Japan (ESJ58). The University of Tokyo. Sapporo, Japan.
21. Syartinilia and Kaswanto. 2010. Advantage of MODIS NDVI 250 m Multi-Temporal Imagery Data for Natural Forest Identification in Java Island. Center for Environmental Research. Working Paper No.24. Bogor Agricultural University.
22. Kaswanto, N Nakagoshi, and HS Arifin. 2010. Impact of Land Use Changes on Spatial Pattern of Landscape during Two Decades (1989-2009) in West Java Region. *Hikobia* 15:363-376.
23. Kaswanto, N Nakagoshi, and HS Arifin. 2010. Sustainable of Mountainous Watershed Landscape Societies: the Difference between Northern and Southern Areas of West Java Region, Indonesia. In: Imanishi, J., Hon, J. (Eds.), Proceeding of the 2nd International Conference of Urban Biodiversity and Design. URBIO 2010 Organizing Committee, Nagoya, p. 137. (*proceeding*)
24. Kaswanto, N Nakagoshi, and HS Arifin. 2010. Impact of Land Use Change on Hydrology and Land Use Pattern in West Java Region. The 57<sup>th</sup> Annual Meeting of Ecological Society of Japan (ESJ57). The University of Tokyo. Japan. (*poster presentation*)
25. Arifin HS, C Wulandari, Q Pramukanto, and Kaswanto. 2010. Analisis Lanskap Agroforestri: Konsep, Metode dan Pengelolaan Agroforestri Skala Lanskap dengan Studi Kasus Indonesia, Filipina, Laos, Thailand, dan Vietnam. IPB Press. Bogor. (*buku*)
26. Christine W, HS Arifin, Q Pramukanto, and Kaswanto and H. Putra. 2009. Payment for Environmental Services (PES) Scheme Implementation in Upstream and Downstream Areas as an Alternative for Sustainable Ecological Network. Proceeding of International Symposium Green City, The Future Challenge, August 10-11, 2009, Bogor, p: 272-280.
27. Kaswanto. 2009. Rapid Hydrological Appraisal (RHA) in Ciliwung Watershed. World Agroforestry Centre (ICRAF). Bogor. (*laporan penelitian*)
28. Arifin HS, A Munandar, NHS Arifin, and Kaswanto. 2009. Revitalisasi Praktek Agroforestri di Perdesaan. Buku Seri I: Manajemen Lanskap Perdesaan bagi Kelestarian dan Kesejahteraan Lingkungan. Departemen Arsitektur Lanskap IPB. Bogor. (*buku panduan*)
29. Arifin HS, NHS Arifin, A Munandar and Kaswanto. 2009. Pemanfaatan *Pekarangan* di Perdesaan. Buku Seri II: Manajemen Lanskap Perdesaan bagi Kelestarian dan Kesejahteraan Lingkungan. Departemen Arsitektur Lanskap IPB. Bogor. (*buku panduan*)

30. Arifin HS, A Munandar, NHS Arifin, and Kaswanto. 2009. Permukiman Sehat dan Berwawasan Lingkungan. Buku Seri III: Manajemen Lanskap Perdesaan bagi Kelestarian dan Kesejahteraan Lingkungan. Departemen Arsitektur Lanskap IPB. Bogor. (*buku panduan*)
31. Arifin HS, A Munandar, NHS Arifin, and Kaswanto. 2009. Potensi Kegiatan Agrowisata di Perdesaan. Buku Seri IV: Manajemen Lanskap Perdesaan bagi Kelestarian dan Kesejahteraan Lingkungan. Departemen Arsitektur Lanskap IPB. Bogor. (*buku panduan*)
32. Arifin HS, C Wulandari, Q Pramukanto, and Kaswanto. 2009. *Pelatihan Lanskap Agroforestri Bagi Pendidik dan Praktisi Pengelola Sumberdaya Alam dan Lingkungan di Indonesia*. World Agroforestry Centre (ICRAF). Bogor. (*modul pelatihan*)

#### RESEARCH EXPERIENCES (LAST 5 YEARS)

1. Research for People's Willingness to Adopt Energy Saving Technologies in Bogor City, Indonesia. Research Collaboration with Institute for Global Environmental Strategies (IGES), Japan. (2015-2016).
2. Manajemen Lanskap Agroforestri sebagai Penyedia Jasa Lanskap dalam Mewujudkan Masyarakat Rendah Karbon. Direktorat Jenderal Pendidikan Tinggi, Departemen Pendidikan Nasional. (2015-2018).
3. Desain Lanskap Agroforestri Menuju Masyarakat Rendah Karbon. Direktorat Jenderal Pendidikan Tinggi, Departemen Pendidikan Nasional. (2013-2015)
4. Jasa Kegiatan Model Pengembangan Kawasan Ketahanan Pangan di Kecamatan. Penyusunan Grand Desain Model Pengembangan Kawasan Ketahanan Pangan di Kecamatan Dramaga dan Ciampea, Kabupaten Bogor. Kerjasama dengan Badan Ketahanan Pangan dan Pelaksana Penyuluhan Pertanian Perikanan dan Kehutanan (BKP5K) Kabupaten Bogor. (2014).
5. Restorasi Ekosistem. Jasa Konsultasi Restorasi Ekosistem Vimala Hills. Kerjasama dengan PT. Putra Adhi Prima. (2014-2015).
6. Analisis Ketersediaan Green Water dan Blue Water dalam Manajemen Lanskap yang Berkelanjutan di Daerah Aliran Sungai Ciliwung. Kerjasama dengan ETH Zurich dan National University of Singapore (NUS). (2013).
7. Manajemen Lanskap Perdesaan Bagi Kelestarian dan Kesejahteraan Lingkungan. Hibah Kompetensi. Direktorat Jenderal Pendidikan Tinggi, Departemen Pendidikan Nasional.
8. Revitalisasi Struktur Sumberdaya Biologi dan Fungsi Pekarangan Berbasis Budaya dan Kearifan Lokal Menuju Ketahanan Pangan Masyarakat Perdesaan. Direktorat Jenderal Pendidikan Tinggi, Departemen Pendidikan Nasional.
9. Advantage of MODIS NDVI 250 m Multi-Temporal Imagery Data for Natural Forest Identification in Java Island. The Osaka Gas Foundation of International Cultural Exchange (OGFICE).
10. Pengembangan Perumahan Sentul City sebagai Kawasan Eco-city. Kerjasama dengan PT. Sentul, Tbk. Bogor.
11. *Designing Low Carbon Society Management in Landscape Ecology-Based Approach in West Java Region, Indonesia*. International Development for Environmental Cooperation (IDEC) of Hiroshima University under the Program of Global Environmental Leaders (GELS).

Bogor, 15 November 2015

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