

## CURICULUM VITAE

### A. Personal Identity

1	Name	:	Dr.Ir. Bakti Wisnu Widjajani, MP.
2	Place & Date of Birth	:	Semarang/05 October 1963
3	Gender	:	Female
4	Faculty/ Minor	:	Pertanian/Ilmu Tanah
5	Structural Position	:	First Class Administrator /IVb
6	Employment Identity Number / NIP /NPT	:	19631005 198703 2001
7	National Lecturer Registration Number /NIDN	:	0005106313
8	Specialization	:	Soil Science/Soil and Water Management
9	Latest Education Year	:	2006
10	Alamat Rumah	:	Larangan Mega Asri C-82, Sidoarjo 61271.
11	Phone number/ email	:	(031) 8951682/085748845656/ wisnuwidjajani@gmail.com
12	Office Address	:	Jl. Raya Rungkut Madya, Gunung Anyar Surabaya 60294 Telp. (031) 8796353

### B. Education

No	Program	Bachelor degree	Master degree	Doctoral degree
1.	Institution	UPN “Veteran” Jawa Timur, Surabaya	Universitas Gajah Mada, Yogyakarta	Universitas Brawijaya, Malang
2.	Departement	Pertanian/Ilmu Tanah	Pengelolaan Tanah dan Air	Tanah dan Pemupukan
3.	Year of Admission	1980	1991	1999
4.	Year of Graduated	1986	1993	2006
5.	Thesis/ Dissertation	Pengaruh Gypsum terhadap Sifat Fisik Tanah Mediteran	Penentuan Neraca Air untuk Menduga Limpasan Permukaan	Pengelolaan Hutan Jati Berkelanjutan (Kajian Aspek Sumberdaya Tanah dan Air)
6.	Academic Supervisor/ Promotor	Ir. Wani Hadi Utomo, PhD.	Ir. Wani Hadi Utomo, PhD. Dr.Ir. Suprpto, MSc. Dr.Ir. Loekito A., M.Agr	Prof.Ir. Wani Hadi Utomo, PhD. Prof.Ir. Waego Hadi Nugroho, PhD. Prof.Dr.Ir. Bambang Suharto, MS

### C. Research

No.	Year	Research title	Funding	Participation
1	2000-2004	Pengelolaan Hutan Jati di sub DAS Cemoro DAS Bengawan Solo	Mandiri	Ketua
2	2000-2002	Pendugaan Neraca Air untuk menduga Limpasan Permukaan	Mandiri	Ketua
3	2007-2008	Karakteristik Lahan Untuk Tanaman Melon ( <i>Cucumis Melo L.</i> ) dalam Kaitannya Dengan Peningkatan Kadar Gula	Hibah Fundamental DIKTI	Ketua
4	2009-2010	Uji Kalibrasi Bahan Organik (Open Source) pada Beberapa Jenis Tanah.	Hibah Fundamental DIKTI	Ketua
5	2009-2010	Reorientasi Daur Tebang Tegakan Jati untuk Meningkatkan Simpanan Air dan Menekan Degradasi Lahan	PHB DIKTI	Ketua
6	2010-2011	Development of sustainable agroforestry system of sengon in East Java by providing selected <i>in vitro</i> seedling	Penelitian Kerjasama Luar Negeri & Publikasi Internasional DIKTI	Anggota
7	2010-2011	Pengembangan kelapa kopyor menjadi industri pembibitan dan pengolahan produk berbasis teknologi ramah lingkungan di Kabupaten Sumenep	Program Hi-link DIKTI	Anggota
8	2011	Penyusunan Rencana Rehabilitasi Hutan Dan Lahan Kabupaten Pacitan 2011-2015.	Pemkab. Pacitan	Ketua
9	2011-2012	Agroforestry system of Sengon ( <i>Albizia falcataria</i> ) in Indonesia	PT. Nangkai Plywood, Jepang	Anggota
10	2013	Analisis Fungsi Hidrologi Akibat Alih Guna Lahan Di Sub Das Sumber Brantas	Mandiri	Ketua
11	2014	Analysis Of Ecosystem Health Based On Landcover Changes In Sub Watershed Sumber Brantas East Java	SEAMEO BIOTROP	Anggota
12	2015-2016	Analisis Kesehatan Daerah Aliran Sungai : Kajian Fungsi Hidrologi Akibat Perubahan Tutupan Lahan Untuk Pengembangan Imbal Jasa Lingkungan	Hibah Stranas Dikti	Ketua

13	2017	Biochar Untuk Perbaikan Kualitas Tanah, Pengendalian Erosi Dan Hasil Tanaman Ubikayu	Mandiri	Ketua
14	2019	Ekowisata Kampus Berbasis Sayuran Tropika	PUF UPNVJT	Ketua
15	2020	Analisis Geospasial Kerawanan Banjir di DAS Pekalen berbasis Data Satelit	Mandiri	Anggota
16	2021	Relationship of biochar and cow manure with soil water content, bulk density, porosity, N total, available P, N and P absorption by soybean plant in an Alfisol (Case study in Madura)	Mandiri	Anggota

#### D. Community Services Program

No.	Year	Community services Activities	Funding	Participation
1.	2009	Teknologi Rehabilitasi Lahan Pasca Bencana Alam Di Desa Ngembat Kecamatan Gondang, Mojokerto	IbM Dikti	Ketua
2.	2011	Kaidah Konservasi Lahan pada Kawasan Perkebunan	Dinas Perkebunan Prov Jatim	Ketua
3.	2011	Penerapan Teknologi Rehabilitasi Lahan Rawan Bahaya Erosi di Desa Banaran, Kediri	IbM Dikti	Ketua
4.	2015	Pengembangan Pertanian Perkotaan Melalui Teknologi Urban Farming	IbM Dikti	Anggota
5.	2016	Pengelolaan Limbah Organik Untuk Kesehatan dan Kesejahteraan Petani	IbM Dikti	Ketua
6.	2019	Pengelolaan Lingkungan Desa dan Aplikasi Hidroponik	Mandiri	Mandiri
7.	2020	Pengelolaan Limbah Pertanian sebagai Upaya Menjaga Keseimbangan Lingkungan	UPNVJT	Mandiri
8.	2020	Perbanyakan dan Aplikasi Multiantagonis <i>Streptomyces</i> sp. , <i>Trichoderma</i> sp. Pada Tanaman Hortikultura	Pihat UPNVJT	Anggota
9.	2021	Pelestarian Tanah dan Air untuk Peningkatan Kesejahteraan Masyarakat	Mandiri	Ketua
10	2022	Perencanaan dan Pengembangan Kawasan Desa Wisata	Mandiri	Anggota

### E. Publications

No.	Year	Article Title	Journal
1.	2011	The Sustainability of Teak Forest Management in Cepu, Central Java, Indonesia: A Soil Resources Point of View	Journal of Basic and Applied Scientific Research
2	2012	Kehilangan Hara Akibat Erosi (Studi Kasus di Tegakan Jati)	Agrovigor, Jurnal Agroekoteknologi
3	2019	Carbon Stock Estimates due to Land Cover Changes at Sumber Brantas Sub-Watershed, East Java	Caraka Tani: Journal of Sustainable Agriculture
4	2019	Utilization of Anthocyanin Extracted from Pletekan ( <i>Ruellia tuberosa</i> L.) in Determination Soil pH	Journal of Tropical Horticulture (JTHort)
5	2020	Direct and indirect planlet regeneration from explants of <i>Albizia</i> ( <i>Albizzia falcataria</i> )	Eurasia J. BioScience
6	2020	TIPOLOGI TANAMAN PENAHAN EROSI ( Studi Kasus di Hutan Jati )	Agrovigor, Jurnal Agroekoteknologi
7	2022	The Effect of Rice Husk Biochar and Cow Manure on Some Soil Characteristics, N and P Uptake and Plant Growth of Soybean in Alfisol	Jurnal Tropical Soil UNILA
8	2022	The potential of organomineral amendments in increasing the adsorption of lead (Pb) and cadmium (Cd) in a sandy loam soil	Journal Of Degraded And Mining Lands Management
9	2022	Water Quality Pollution Index Analysis In Downstream Of Porong Sub-Watershed, Jabon District, Sidoarjo Regency	AQUASAINS (Jurnal Ilmu Perikanan dan Sumberdaya Perairan)
10	2023	Sifat Fisik Tanah Pada Lahan Bawang Merah Di Kecamatan Gondang Nganjuk Dan Kecamatan Kedungadem Bojonegoro	Journal of Soil and land Utilization Management

### F. Presenter in Seminar

No.	Year	Article Title	Seminar	Date
1.	2016	Analysis of Hydrological Function Caused by Land Cover Changes at Sumber Brantas Sub Watershed	2nd International Agroforestry Congress (SEANAFE) - Tay Nguyen University Buon Ma Thuot City, Dhaklak Province Vietnam	November 2016
2.	2017	Soil Quality, Soil Erosion and Cassava ( <i>Manihotesculenta</i> L.) Yield After 5 Years Alley System	International Conference on Root and Tuber Crops for Food Sustainability- Univeristy of Brawijaya, Malang	October 2017

3.	2019	Identifikasi Potensi Longsor Menggunakan Sistem Informasi Geografis	Seminar Nasional IX MKTI 2019	October 2019
4.	2019	Watershed health analysis : studies of hydrology caused by changes in the land cover for environmental services	Global Congress on Advances and Scientific Merits in Food & Agriculture - Dubai	November 2019
5.	2020	Karakteristik Fisika Kimia Tanah pada Sistem Agroforestri	Seminar Nasional Lahan Suboptimal ke-8, Palembang	Oktober 2020
6.	2021	Geospatial Analysis of Flood Prone Areas in the Pekalen Watershed base on Satellite Data	The 2 <sup>nd</sup> International Seminar on Natural Resources and Environmental Management	August 2021
7.	2021	Relationship of biochar and cow manure with soil water content, bulk density, porosity, N total, available P, N and P absorption by soybean plant in an Alfisol (Case study in Madura)	The 2nd International Conference on Organic Agriculture in The Tropics (ORGATROP) “Organic Agriculture as a sustainable agro-system to support agriculture production and food safety under the threat of climate change”	28-29 October 2021
8	2021	I-OT.Net As Internet of Things (IoT) Cloud in Internet-Based Control System Applications	5th International Seminar of Research Month 2020 Volume 2021	27-28 October 2020

### G. Books

No	Type	Book Title	ISBN/Publisher
1	Buku teks	Buku Kesuburan Tanah dan Pupuk (200 hal , 2017)	978-602-1107-92.-8 Penerbit : Gosyen

## H. Intellectual Property Rights/ Patent

NO	Title/Theme	Type	Registered Number
1	Metode Pemberian Imbal Jasa Lingkungan di Kawasan Daerah Aliran Sungai (DAS) Brantas (2017)	Petty patent	S00201707197
2	Buku Ajar Kesubuan Tanah dan Pupuk (2017)	Copy rights	C00201704645/089880
3	Program Smart Farming Berbasis Internet Of Things ( IoT) dengan Arduino (2020)	Copy rights	EC00202015099

I hereby guarantee that details and information provided above is correct to the best of my knowledge. If there is any fraud information found in the future, I will hold full responsibility of the penalty.

Surabaya, April 2023



Dr.Ir. Bakti Wisnu Widjajani, MP.

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