

## PROFILE

Full Name	:	<b>Prof. Dr. Ir. Samanhudi, S.P., M.Si., IPM., ASEAN. Eng.</b>		
Education	No.	Jenjang	Universitas	Tahun
	1	Bachelor	Univesitas Sebelas Maret	1993
	2	Master	Institut Pertanian Bogor	2001
	3	Doctoral	Institut Pertanian Bogor	2006
	4	Profesi Insinyur	Institut Teknologi Bandung	2019
5				
Employment	No.	Jabatan	Instansi	Tahun
	1	Lecturer	Faculty of Agriculture, Universitas Sebelas Maret	1995 - Now
	2	Lecturer	Graduate Program, Universitas Sebelas Maret	2006 - Now
	3	Secretary	Department of Agronomy Faculty of Agriculture, Universitas Sebelas Maret	2007 - 2011
	4	Vice Dean I	Faculty of Agriculture, Universitas Sebelas Maret	2011 - 2015
	5	Vice Dean for Academic Affair	Faculty of Agriculture, Universitas Sebelas Maret	2015 - 2019
	6	Dean	Faculty of Agriculture, Universitas Sebelas Maret	2019 - Now
dst.				
Research and development projects over the last 5 years	No.	Judul	Pendanaan	Tahun
	1	The efforts to increase levels of artemisinin in Artemisia (Artemisia annua) through natural selection: lowland accessions and elicitation at the level of callus bud plantlet and plantation in the field using endophytes. (Year II). PUPT, 2016.	PUPT	2016
	2	The Improvement of Cultivation Technology to Increase Crop Production of Tribulus terrestris as Raw Material for Sexuality and Stress Relieving Drugs. (Year I). Sinas Research Incentive Research, 2016.	Insinas Ristek	2016
	3	The Improvement of Cultivation Technology to Increase Crop Production of Tribulus terrestris as Raw Material for Sexuality and Stress Relieving Drugs. (Year II). Sinas Research Incentive Research, 2017.	Insinas Ristek	2017
4	The Increasing Production of Banana Seedlings from Tissue Culture to Support Banana Development Program in Karanganyar Regency. (Year I) PU UNS, PNBPN 2017.	PU UNS	2017	

5	Coconut Water and Banana Extracts Used for Multiplication Shoots of <i>Curcuma xanthorrhiza</i> in In Vitro. Research of MRG UNS, PNBP UNS Fiscal year of 2017.	MRG Research, UNS	2017
6	Mapping Assets for Ecopreneurship-Based 15-Year UNS Campus Development Plan. UNS, PNBP 2017.	PU UNS	2017
7	The Increasing Production of Banana Seedlings from Tissue Culture to Support Banana Development Program in Karanganyar Regency. (Year II) PU UNS, PNBP 2018.	PU UNS	2018
8	Improving the Capacity Building of Tissue Culture Laboratory Faculty of Agriculture Agrotechnology Study Program, Sebelas March University, Laboratory Capacity Improvement PKLP UNS), PNBP 2018.	PKLP UNS	2018
9	Increased Production of Banana Seedlings from Tissue Culture to Support Banana Development in Karanganyar Regency. (Year III) Penelitian Unggulan UNS, PNBP 2019.	PU UNS	2019
10	Utilization of Local Organic Materials to Reduce the Cost of Production of Banana Seed from Tissue Culture Results. (PTM Dikti, 2019).	PTM	2019
11	Study of SRI Intermittent Rice Irrigation for Water Savings in Several Local and National Superior Rice Varieties ( <i>Oryza sativa</i> L.) on the Physiology of Growth and Yield. (PDD Dikti, 2019).	PDD	2019
12	Development of Cultivation Technology on Rumput Mutiara ( <i>Hedyotis corimbosa</i> L.) as Raw Materials for Drugs for Cancer, Hepatitis, and Diabetes. (PDD Dikti, 2019).	PDD	2019
13	Development of Sorghum Plants on Marginal Land to Support Food Security, Feed Sources, and Energy Independence in Wonogiri Regency. (Mandatory Riset PNBP UNS 2020).	Mandatory Riset PNBP UNS 2020	2020
14	Characterization of <i>Phaius</i> spp Orchids Based on Morphology and Molecular RAPD (Random Amplified Polymorphic DNA), in Supporting Orchid Development in Indonesia. (PU-UNS 2020).	Penelitian Unggulan UNS	2020

15	Development of Sorghum Plants on Marginal Land to Support Food Security, Feed Sources, and Energy Independence in Wonogiri Regency. (Mandatory Riset PNBPNB UNS 2021).	Mandatory Riset PNBPNB UNS 2021	2021
16	Characterization of Biduri Fiber ( <i>Calotropis gigantea</i> ) and Its Development as Raw Material for Natural Polymer-Based Textile Industry.	Penelitian Terapan Kemenristek	2021
17	Commercialization of Tissue Culture Banana Seed as a Result of Research and Innovation at the Faculty of Agriculture, UNS.	Pengembangan Hasil Riset dan Inovasi (PHRI) PNBPNB UNS	2021
18	Characterization of <i>Phaius</i> spp Orchids Based on Morphology and Molecular RAPD (Random Amplified Polymorphic DNA), in Supporting Orchid Development in Indonesia. (PUNB UNS 2021).	Penelitian Unggulan UNS	2021
19	Kinship of <i>Dendrobium</i> spp Natural Orchids Based on Morphological, Molecular RAPD (Random Amplified Polymorphic DNA) and Cytology Characters in Supporting Orchid Development in Indonesia.	Penelitian Dasar (Ristek/BRIN)	2021

Industry collaborations over the last 5 years	No.	Industri	Kegiatan	Tahun
	1	Balai Besar Tekstil, Kementerian Perindustrian RI	Development and quality testing of biduri fibers	2019 - Now
	2	Green Leaves Orchid Salatiga	Development of the orchids diversity	2021 - Now
	3	CV. Triagro	Commercialization of tissue culture banana seeds	2021 - Now
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Patents and proprietary rights	No.	Judul	Nomor	Tahun
	1	Teknologi Budidaya Tanaman Agrofuel	Book copyright, Certificate No. 000235154	2021
	2	Fisiologi dan Molekuler Pembungaan: Studi pada Tanaman Kakao	Book copyright, Certificate No. 000235440	2021
	dst.			

Important publications over the last 5 years	No.	Judul	Publikasi	Tahun
	1	Response of Kencur Growth ( <i>Kaempferia galanga</i> L.) to the application of IBA and BAP by In Vitro.	Jurnal BIOTA Vol 21(1): 1-8, 2016	2016
	2	The Effect of Cascing and Mycorrhiza on Growth and Result of <i>Tribulus terrestris</i> .	Jurnal Agrotek Indonesia Vol 2(1), 2017	2017
	3	In Vitro Propagation of Temulawak ( <i>Curcuma xanthorrhiza</i> Roxb.).	Jurnal Jamu Indonesia 2(2): 37-42	2017
	4	The result of T1683 Genotype Hybrids Paddy to Various NPK Fertilizer Rates.	Agrotechnology Research Journal 1(2): 24-28	2017

5	The Yield Trial Test of Hybrid Paddy 172 and 6 at Different Planting Spaces.	Agrotechnology Research Journal 1(2): 45-47	2017
6	Microclimate modification through shading and watering frequency treatments as efforts for ex situ conservation of pule pandak ( <i>Rauvolfia serpentina</i> ).	Asian Journal of Agriculture 1(1): 35-39	2017
7	Response of some upland rice varieties to drought stress.	Tropical Drylands 1(2): 69-77	2017
8	Growth Response of <i>Artemisia annua</i> by Effect of Types and Composition of Organic Fertilizer in Lowland.	Journal of Agricultural Science and Technology B 7: 339-345	2017
9	Effect of GA3 and Shading on the Growth and Content of Artemisinin Compound in Leaf of <i>Artemisia annua</i> L. Grown on the Medium Land of Karanganyar, Indonesia.	American J. of Applied Sciences 14(10): 1011-1015	2017
10	The Effect of Arbuscular Mycorrhiza and Organic Manure on Soybean Growth and Nutrient Content in Indonesia.	Bulgarian Journal of Agricultural Science 23(4): 596-603	2017
11	The Effect of Manure and Mycorrhiza Application to the Soil Microbes Biodiversity in Terms of Increasing Soybean Yield in Marginal Land in Indonesia.	Bulgarian Journal of Agricultural Science 23(6): 994-1003	2017
12	The Organic Turmeric Cultivation for Biofarmaca Cluster at the Karanganyar Regency	Caraka Tani: Journal of Sustainable Agriculture 33(1): 34-41	2018
13	Effects of Media Combination with Concentration of AB-Mix Nutrient on Growth of Banana Shoots on In Vitro.	Bulgarian Journal of Agricultural Science 24(3): 404-410.	2018
14	Coconut Water and IAA Effect on the In Vitro Growth of <i>Tribulus terrestris</i> L.	Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis 67(1): 9-18	2019
15	Total Flavonoid Content Analysis Four Iler Accessions ( <i>Coleus atropurpureus</i> [L.] Benth) on Lowland Karanganyar, Central Java, Indonesia.	Asian Journal of Pharmaceutical and Clinical Research 12(7): 167-170	2019
16	Physicochemical and Sensory Properties and Pumpkin ( <i>Cucurbita moschata</i> D.) and Arrowroot ( <i>Marantha arundinacea</i> L.) Starch-based Instant Porridge.	International Journal on Advanced Science Engineering Information Technology 9(2): 412-421	2019
17	Effect of Bulb Size and Plant Distance on Growth and Yield of Green Lumbu Varieties of Garlic.	Agrotechnology Research Journal 4(1): 6-10	2020
18	Socialization and Extension of Banana Cultivation with Tissue Culture Results in Lempong Village, Jenawi District, Karanganyar Regency.	PRIMA: Journal of Community Empowering and Services 4(2): 59-63	2020

19	In Vitro Proliferation and Acclimatization of Kepok Unti Sayang (ABB) Bananas with the Addition of Organic Materials.	Jurnal Hortikultura Indonesia 11(2): 91-100	2020
20	Modification of Media for Banana In Vitro Propagation with Foliar Fertilizer and Coconut Water in cv. Rajabulu.	Caraka Tani: Journal of Sustainable Agriculture 35(1): 23-32	2020
21	Secondary Macronutrients Up-Take, Root Development, and Chlorophyll Content of Local Rice Varieties Grown under System of Rice Intensification (SRI) vs. Conventional Methods.	International Journal on Advanced Science Engineering Information Technology 10(1): 381-388	2020
22	The Ursolic Acid Content of Rumput Mutiara ( <i>Hedyotis corimbosa</i> L.) Grown in Various Locations.	International Journal on Advanced Science Engineering Information Technology 10(2): 749-755	2020
23	In Vitro Shoot Multiplication of <i>Curcuma xanthorrhiza</i> with Coconut Water and Banana Extract Nutrient.	International Journal on Advanced Science Engineering Information Technology 10(3): 1272-1277	2020
24	Detection of Flowering Ability on Several Bulbs Shallot Sources by using Hd3a and Endogenous GA3 Analysis. Indian Journal of Agricultural Research 54(6): 751-756.	International Journal Indexed by Scopus	2020
25	Growth and Yield of Sweet Sorghum ( <i>Sorghum bicolor</i> L.) Using Manure in Dry Land.	Jurnal Agrotek Indonesia (6)1: 33-43	2021
26	Morphological Characteristics of <i>Phaius</i> spp. Orchids from Indonesia.	Biodiversitas 22(4): 1991-1995	2021
27	The Efficiency of Mycorrhiza Biofertilizer Treatment to the Growth and Yield of Soybean. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012073 doi :10.1088/1755-1315/142/1/012073	2018
28	Effectiveness of Cow Manure and Mycorrhiza on the Growth of Soybean. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012065 doi :10.1088/1755-1315/142/1/012065	2018
29	Shading and Vermicompos Effect on Growth and Flavonoid Content of Tapak Liman ( <i>Elephantopus scaber</i> L.). Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012022 doi :10.1088/1755-1315/142/1/012022	2018

30	Polyplloid Response of <i>Artemisia annua</i> L. to Colchicine Treatment. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012020 doi :10.1088/1755-1315/142/1/012020	2018
31	<i>Artemisia annua</i> Respon to Various Types of Organic Fertilizer and Dose in Lowland. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012021 doi :10.1088/1755-1315/142/1/012021	2018
32	Response of <i>Artemisia annua</i> L. to Shade and Manure Fertilizer Application in Lowland Altitude. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012043 doi :10.1088/1755-1315/142/1/012043	2018
33	The Growth Response of <i>Artemisia annua</i> L. to Organic Fertilizer Type in Lowland. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012019 doi :10.1088/1755-1315/142/1/012019	2018
34	Effect of Manure and Plants Spacing on Yield and Flavonoid Content of <i>Elephantopus scaber</i> L. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012038 doi :10.1088/1755-1315/142/1/012038	2018
35	Effect of Benzyl Amino Purine and Indole-3-Acetic Acid on Propagation of <i>Sterculia foetida</i> In Vitro. Makalah disampaikan pada International Conference on Sustainable Agriculture and Environment. Surakarta 10-12 August 2017.	IOP Conf. Series: Earth and Environmental Science 142 (2018) 012011 doi :10.1088/1755-1315/142/1/012011	2018
36	The Effects of Arenga Wood-Fiber Size and Nutrition Concentration on Growth and Yield of Substrate Hydroponic Kailan ( <i>Brassica alboglabra</i> ).	IOP Conf. Series: Earth and Environmental Science 250 (2019) 012088 doi : 10.1088/1755-1315/250/1/012088	2019
37	Fruit Identification and Effect of Starch Isolation Methods on Color Attributes of Cilacap Bread Fruit's Starch.	IOP Conference Series: Material Science and Engineering 633 (2019) 012037 doi : 10.1088/1757-899X/633/1/012037	2019

38	Process Optimization for Producing Pumpkin ( <i>Cucurbita moschata</i> D.) and Arrowroot ( <i>Marantha arundinaceae</i> L.) Starch-based Instant Porridge.	IOP Conference Series: Material Science and Engineering 633 (2019) 012016 doi : 10.1088/1757-899X/633/1/012016	2019
39	Moisture Sorption Isotherm and Shelf Life of Pumpkin and Arrowroot Starch-based Instant Porridge.	AIP Conference Proceeding 2219, 010001 (2020); <a href="https://doi.org/10.1063/12.0000354">https://doi.org/10.1063/12.0000354</a>	2020
40	Yield and Color Changes of Starch from Cilacap Breadfruit for Producing Breadfruit's Resistant Starch Type 3.	AIP Conference Proceeding 2219, 070008 (2020); <a href="https://doi.org/10.1063/5.0003481">https://doi.org/10.1063/5.0003481</a> .	2020
41	The Effectiveness of Fruit Extract and Temperature for In Vitro Culture of Kepok Banana ( <i>Musa balbisiana</i> ).	IOP Conf. Series: Earth and Environmental Science 466 (2020) 012008 doi:10.1088/1755-1315/466/1/012008	2020
42	Morphological Study of Rumput Mutiara ( <i>Hedyotis corimbosa</i> L) from Various Locations In Central Java.	IOP Conf. Series: Earth and Environmental Science 466 (2020) 012028 doi:10.1088/1755-1315/466/1/012028	2020
43	Effects of Mulch on Growth and Yield of Garlic Bulbils at Various Fertilizing Doses.	IOP Conf. Series: Earth and Environmental Science 423 (2020) 012033, doi:10.1088/1755-1315/423/1/012033	2020
44	The Response of Local Rice Varieties with Intermittent Irrigation with Microclimate Factors.	IOP Conf. Series: Earth and Environmental Science 637 (2021) 012071, doi:10.1088/1755-1315/637/1/012071	2021
45	Evaluation of Growth and Biomass Production of Sorghum on Cadmium Contaminated Paddy Field.	IOP Conf. Series: Earth and Environmental Science 637 (2021) 012062, doi:10.1088/1755-1315/637/1/012062	2021
46	Primary Macro Nutrient Content, Root Growth, and Crop Growth Analysis of Local Rice Varieties with Intermittent and Continuous Flooding Irrigation.	IOP Conf. Series: Earth and Environmental Science 709 (2021) 012063, doi:10.1088/1755-1315/709/1/012063	2021

Activities in specialist bodies over the last 5 years	No.	Organisasi	Jabatan	Tahun
	1	Keluarga Mahasiswa dan Alumni Penerima Beasiswa Supersemar (KMA PBS) Jateng	Regional Administrators (Coordinator for Cooperation)	2008 - 2016
	2	Perhimpunan Hortikultura Indonesia / Indonesian Horticultural Association (PERHORTI)	Coordinator of Central Java	2009 - 2013
	3	Keluarga Mahasiswa dan Alumni Penerima Beasiswa Supersemar (KMA PBS) Pusat	Member of the Experts Council	2011 - 2015
	4	Badan Kejuruan Teknik Pertanian / Agricultural Engineering Vocational Agency (BKTP PII)	Members of the PII Development Division	2017 - 2020
	5	Masyarakat Biodiversitas Indonesia / Indonesian Biodiversity Society (MBI)	Member	2010 - Now

6	Pusat Penelitian dan Pengembangan Bioteknologi dan Biodiversitas / Center for Research and Development of Biotechnology and Biodiversity (PPPBB LPPM UNS)	Member of Peer Group	2011 - Now
7	Forum Komunikasi Perguruan Tinggi Pertanian Indonesia / Indonesian Agricultural Higher Education Communication Forum (FKPTPI)	Member	2011 - Now
8	Perkumpulan Agroteknologi Indonesia / Indonesian Agrotechnology Association (PAGI)	Member	2015 - Now
9	Ikatan Keluarga Alumni Fakultas Pertanian UNS (IKATANI UNS)	Head of Internal and External Cooperation	2016 - Now
10	Persatuan Insinyur Indonesia / Indonesian Engineers Association (PII)	Member	2016 - Now
11	Keluarga Mahasiswa dan Alumni Penerima Beasiswa Supersemar (KMA PBS) Jateng	Chairman of the Experts Council	2017 - Now
12	Asia Pacific Network for Sustainable Agriculture, Food, and Energy (SAFE)	Member	2018 - Now
13	Perhimpunan Agronomi Indonesia / Indonesian Agronomic Association (PERAGI)	Secretary Regional of Central Java	2018 - Now
14	Forum Komunikasi Perguruan Tinggi Pertanian Indonesia (FKPTPI) Wilayah Timur / Indonesian Agricultural Higher Education Communication Forum for Eastern Region	Chairman	2019 - Now
15	Keluarga Mahasiswa dan Alumni Penerima Beasiswa Supersemar (KMA PBS) Pusat	Member of the Experts Council	2019 - Now
16	Badan Kejuruan Teknik Pertanian / Agricultural Engineering Vocational Agency (BKTP PII)	Expertise Coordinator of Agrotechnology	2021 - Now
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