



Staff

Handbook

**PLANT PROTECTION STUDY PROGRAM
FACULTY OF AGRICULTURE
UNIVERSITAS SRIWIJAYA**



Name	Dr. Ir. Abu Umayah, M.S.		
Position	Teaching Area	Phytopathology, Plant bacteriology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Phytopathology)	Bagor Agricultural University	2004
	Master Program (Phytopathology)	Gajah Mada University	1989
	Undergraduate Degree (Department of Plant Pest disease)	Sriwijaya University	1982
Employment	Position: Lecturer	Employer: Sriwijaya University	Period: 1984-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> 1. Exploration, identification and development of antagonistic bacteria from soil and rhizosphere as biopesticide for plant disease control. funded by Sriwijaya University (2017). 2. Exploration, identification and development of antagonistic bacteria from soil and rhizosphere as biopesticide for plant disease control. funded by Sriwijaya University (2018). 3. Exploration some plant rhizosphere, identification of bacteria, production of PGPR for plant disease control. Self-funded (2019-2020) 4. Pesticide residue analysis on some vegetable crops. Self-funded (2021) 5. Post-harvest disease research on some vegetable and fruit crops. Self-funded (2022) 		
Industry collaborations over the last 5 years	Not available		
Patents and proprietary rights	Not available		
Important publications over the last 5 years	Umayah, A., and Wagiyanti. 2021. The use of pesticide and it's residue analysis in chili (<i>Capsicum annum L.</i>) (case study in Saleh Mukti Village, Air Salek Subdistrict, Banyuasin Districts). <i>Jurnal Agrikultura</i> , 32 (1): 57-62.		
	Suwandi, S., Irsan, C., Hamidson, H., Umayah, A. , Asriyani, K.D. Identification and characterization of <i>Ceratocystis fimbriata</i> causing lethal wilt on the lansium tree in Indonesia. <i>Plant Pathology Journal</i> , 2021, 37(2), pp. 124–136		
	Karenina, T., Herlinda, S., Irsan, C., Pujiastuti, Y., Hasbi., Suparman., Lakitan, B., Hamidson, H., and Umayah, A. 2020. Community structure of arboreal and soil-dwelling arthropods in three different rice planting indexes in freshwater swamps of South Sumatra, Indonesia. <i>Biodiversitas</i> 21 (10), p 4839-4849.		
	Suwandi, S., Junita, A., Suparman, Umayah, A. , Hamidson, H., Muslim, A., and Irsan, C. 2018. Curative Activity of Watery Fermented Compost Extract as a Bark Treatment against Tapping Panel Dryness. <i>The Open Agriculture Journal</i> , 12(1), 74-83		
	Damiri N, Mulawarman, A Umayah , S E Agustin and M Rahmiyah. 2018. Effect of <i>Pseudomonas spp</i> on infection of <i>Peronosporaparasitica</i> (Pers. Fr), the pathogen of downy mildew on Chinese cabbage. <i>IOP Conf. Series: Earth and Environmental Science</i> 102 (2018) 012065 doi :10.1088/1755-1315/102/1/012065.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	1. Indonesian Phytopathological Society	Member	1990-now

Name	Ir. Bambang Gunawan, M.Si		
Position	Teaching Area	Phytopathology, Nematode	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	Sriwijaya University	1984
	Master Program (Agricultural Sciences)	Sriwijaya University	2006
	Undergraduate Degree (Department of Plant Pest and Disease)		
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period:
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> Effects of various species of alternative host of Banana Bunchy Top Virus vector on its transmission efficiency and the virus pathogenicity. Funded by University of Sriwijaya, 2021, (Rp 60,000,000). Control of yellow leaf curl disease of chili based on epidemiology in South Sumatra. Funded by University of Sriwijaya, 2020 (Rp 74,344,000). Epidemiology of yellow leaf curl disease of chili in South Sumatra. Funded by University of Sriwijaya, 2019 (Rp 54,939,000). Epidemiology of anthracnose disease of tropical fruits and vegetables in South Sumatra. Funded by University of Sriwijaya, 2018 (Rp 75,000,000). <p>Effects of various alternative hosts of vector on the pathogenicity of Banana Bunchy Top Virus on various banana genotypes. Funded by University of Sriwijaya, 2017 (Rp 60,000,000)</p>		
Industry collaborations over the last 5 years	Not available		
Patents and proprietary rights	Title		Year
	Not available		
Important publications over the last 5 years	Suparman, Gunawan, B. , Pujiastuti, Y., Arsi, and Cameron, R.R. 2017. Alternative host of <i>Pentalonia nigronervosa</i> Coq, (Hemiptera: Aphididae) the transmitting vector of Banan bunchy top virus. <i>Journal of Advanced Agricultural Technologies</i> , 4(4): 354-359.		
	Suparman, M Rahmiyah, M., Pujiastuti, Y., Gunawan, B. And Arsi 2018. Cross inoculation of anthracnose pathogens infecting various tropical fruits. <i>IOP Conf. Series: Earth and Environmental Science</i> 102:1-9.		
	Anggraini E, Anisa WN, Herlinda S, Irsan C, Suparman S, Suwandi S, Harun MU, Gunawan B. 2021. Phytophagous insects and predatory arthropods in soybean and zinnia. <i>Biodiversitas</i> 22: 1405-1414.		
	Arsi, A., Pujiastuti, Y., Kusuma, S., & Gunawan, B. 2020. Eksplorasi, isolasi dan identifikasi Jamur entomopatogen yang menginfeksi serangga hama. <i>Jurnal Proteksi Tanaman Tropis</i> , 1(2), 70-76. doi:10.19184/jptt.v1i2.18554		
	Arsi Arsi, Noni Octariati, Suparman SHK, Bambang Gunawan , Siti Herlinda, Yulia Pujiastuti, Suwandi, Chandra Irsan, Harman Hamidson, Riski Anwar Efendi, Lina Budiarti. 2020. Effect of Cultural Technique on Disease of Cayenne Pepper (<i>Capsicum frutescens</i> L.) in Sub District Lempuing, Distict Ogan Komering Ilir. <i>Jurnal Planta Simbiosa</i> , 2(2): 41-52.		
	Suparman, Gunawan, B. , Pujiastuti, Y., Arsi, and Cameron, R.R. 2017. Alternative host of <i>Pentalonia nigronervosa</i> Coq, (Hemiptera: Aphididae) the transmitting vector of Banan bunchy top virus. <i>Journal of Advanced Agricultural Technologies</i> , 4(4): 354-359.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Phytopathological Society	Member	1995-now

Name	Ir. Suparman SHK, Ph.D		
Position	Teaching Area	Plant Virology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	University of Welsh, The UK	1995
	Master Program (Agricultural Sciences)	M.Phil program in University of Welsh, The UK 1991, in 1993 transferred to PhD Program	
	Undergraduate Degree (Department o Plant Pest and Disease)	Bogor Agricultural University	1984
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1985-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> Effects of various species of alternative host of Banana Bunchy Top Virus vector on its transmission efficiency and the virus pathogenicity. Funded by University of Sriwijaya , 2021, (Rp 60.000,000). Control of yellow leaf curl disease of chili based on epidemiology in South Sumatra.Funded by University of Sriwijaya, 2020 (Rp 74,344,000). Epidemiology of yellow leaf curl disease of chili in South Sumatra.Funded by University of Sriwijaya,2019 (Rp 54,939,000). Epidemiology of anthracnose disease of tropical fruits and vegetables in South Sumatra. Funded by University of Sriwijaya, 2018 (Rp 75,000,000). <p>Effects of various alternative hosts of vector on the pathogenicity of Banana Bunchy Top Virus on various banana genotypes. Funded by University of Sriwijaya, 2017 (Rp 60,000,000)</p>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title		Year
	Pujiastuti, Y., A. Muslim, A., Suparman , Arsi, Junita, A Process of the formulation of Bacillus thuringiensis based bioinsecticide with the addition of golden snail (Pomacea canaliculata) (registered patent No. IDP000054238)		2018
Important publications over the last 5 years	Herlinda, S., Tricahyati, T., Irsan, C., Karenina, T., Hasbi, Suparman , Lakitan, B., Anggraini, E., Arsi.. 2021. Arboreal arthropod assemblages in chili pepper with different mulches and pest managements in freshwater swamps of South Sumatra, Indonesia. Biodiveritas 22(6): 3065-3074.		
	Pujiastuti,Y., Masyitah, S., Dirgahayu, S., Suparman , Effendy. 2019. The use of golden snail meal to enrich bacillus thuringiensis culture media and its effect on the bacterial toxicity against Spodoptera litura. JHPT Tropika, 18(19), 23-30.		
	Suwandi, S., Junita, A., Suparman , Umayah, A., Hamidson, H., Muslim, A., and Irsan, C. 2018. Curative Activity of Watery Fermented Compost Extract as a Bark Treatment against Tapping Panel Dryness. The Open Agriculture Journal, 12(1), 74-83		
	Suparman , M Rahmiyah, M., Pujiastuti, Y., Gunawan, B. And Arsi 2018. Cross inoculation of anthracnose pathogens infecting various tropical fruits. IOP Conf. Series: Earth and Environmental Science 102:1-9.		
	Suparman , Gunawan, B., Pujiastuti, Y., Arsi, and Cameron, R.R. 2017. Alternative host of Pentalonia nigronervosa Coq, (Hemiptera: Aphididae) the transmitting vector of Banan bunchy top virus. Journal of Advanced Agricultural Technologies, 4(4): 354-359.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Phytopathological Society	Member	1995-now

Name	Prof. Dr. Ir. Nurhayati, M.Si		
Position	Teaching Area	Plant Mikologi, Virologi	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural science.)	Sriwijaya University, Indonesia	2006
	Master Program (Phytopathology)	Bagor Agricultural University	1997
	Undergraduate Degree (Department of Plant Pest disease)	Sriwijaya University	1985
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1991-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> 1. Map of the resistance status of dengue hemorrhagic fever <i>Aedes aegypti</i> mosquitoes to synthetic insecticides and the use of pineapple peel as a bioinsecticide for its control (2021) 2. Ceratocystis wilt ecopathology on agroforestry plants in Southern Sumatra (2020) 3. Epidemiology of curly yellowing diseases in Chili in South Sumatra (2019) 4. Exploration, identification and development of antagonistic bacteria from soil and rhizosphere as biopesticides of pest and plant disease control (2018) 5. Exploration, identification and development of antagonistic bacteria from soil and rhizosphere as biopesticides of pest and plant disease control (2017) 		
Industry collaborations over the last 5 years			
Patents and proprietary rights	Title		Year
	Supli Effendi Rahim, Nurhayati . Aquajib (Registered No.082392)		2014
Important publications over the last 5 years	Damiri N. Rofiqi R, Mulawarman, Rahim SE. 2021. Effect of three composts with active ingredients of <i>Pseudomonas fluorescens</i> on the development of white root disease and production of rubber plants. <i>Biodiversitas</i> Vol 22(8).		
	Pratama, R., Muslim, A., Suwandi, S., Damiri N , R., dan Soleha. 2021. First report of characterisation and pathogenicity of bullet wood (<i>Mimusops elengi</i>) sudden decline disease by <i>Ceratocystis</i> in Indonesia. <i>Biodiversitas</i> . Vol. 22(5).		
	Pratama, R., Muslim, A., Suwandi, S., Damiri N , R., dan Soleha. 2021. Jackfruit (<i>Artocarpus heterophyllus</i>), a New Host Plant of <i>Ceratocystis</i> Wilt from South Sumatra, Indonesia. <i>Australasian Plant Disease Notes</i> , 16, 24.		
	Damiri N , Nurkholis A, Pujiastuti Y and Rahim SE. 2020. Tobacco Mosaic Virus (TMV) infection in several varieties and ages of tomato of plants (<i>Lycopersicon esculentum</i> Mill.). <i>Walailak J Sci & Tech</i> Vol 17(2).		
	Damiri N , Mulawarman, Effendi RS. 2019. Antagonism of <i>Pseudomonas fluorescens</i> from plant roots to <i>Rigidoporus lignosus</i> pathogen of rubber white roots in vitro. <i>Biodiversitas</i> 20: 1549-1554		
	Damiri N , Mulawarman, A Umayah, S E Agustin and M Rahmiyah. 2018. Effect of <i>Pseudomonas</i> spp on infection of <i>Peronospora parasitica</i> (Pers. Fr), the pathogen of downy mildew on Chinese cabbage. <i>IOP Conf. Series: Earth and Environmental Science</i> 102 (2018) 012065 doi :10.1088/1755-1315/102/1/012065.		
Activities in specialist bodies over the last 5 years	Organisation		Role
	1. Indonesian Phytopathological Society 2. Environmental Science Study Program Association		Member member 1991-now 2017-now

Name	Prof. Ir. Yulia Pujiastuti, M.S., Ph.D.		
Position	Teaching Area	Entomology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Applied Bio-sciences)	Graduate School of Agriculture, Hokkaido University, Japan	2000
	Master Program (Plant Protection)	Graduate School of Agriculture, Gadjah Mada University, Yogyakarta, Indonesia	1994
	Undergraduate Degree (Plant pest)	Gadjah Mada University, Faculty of Agriculture, Plant Protection Department	1986
Employment	Position: Senior Lecturer	Employer: University of Sriwijaya	Period: 1986-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> 1. Characterization of allelopathy mechanisms by perennial herbaceous plant against inoculum and pathogenicity of <i>Ganoderma</i>, pathogen of oil palm basal stem rot. Funded by Basic Research Grant, BRIN/Ristekdikti (2021-2022). 2. Biostimulant formulation for control viral diseases of chili pepper. Funded by Basic Research Grant, BRIN/Ristekdikti (2018-2019). 		
Industry collaborations over the last 5 years			
Patents and proprietary rights	Title		Year
	Production process of <i>Bacillus thuringiensis</i> -based Bioinsecticide enriched with flash of golden snail <i>Pomacea canaliculata</i> (Granted patent No. IDP000054238)		2018
Important publications over the last 5 years	Yulia Pujiastuti, Arsi Arsi, Sofia Sandi. 2020. Characteristics of <i>Bacillus thuringiensis</i> isolates indigenous soil of South Sumatra (indoneisa) and their pathogenicity against oil palm pests <i>Oryctes rhinoceros</i> (Coleoptera:Scarabaeidae). Biodiversitas. Vol 21 No.4 April 2020, PP 1287-1294		
	Y Pujiastuti, B Gunawan, Arsi, Suparman, DP Sulistyani dan Sandi. 2020. <i>Bacillus thuringiensis</i> propagated in bio-urine media as a biological control of termite <i>Coptotermes</i> and armyworm <i>Spodoptera litura</i> . South Asia Plant Protection Conference 2019, IOP Conf. Series: Earth and Environment Science468 (2020) 012009		
	Buchori, D.; Rizali, A.; Priawandiputra, W.; Raffiudin, R.; Sartiami, D.; Pujiastuti, Y. ; Jauharlina; Pradana, M.G.; Meilin, A.; Leatemia, J.A.; Sudiarta, I.P.; Rustam, R.; Nelly, N.; Lestari, P.; Syahputra, E.; Hasriyanti; Watung, J.F.; Daud, I.D.A.; Hariani, N.; Jihadi, A.; Johannis, M. 2022. Beekeeping and Managed Bee Diversity in Indonesia: Perspective and Preference of Beekeepers. Diversity 2022, 14(1), 52. https://doi.org/10.3390/d14010052		
	Nisfia Rakhmatun Nisa, Berry Juliandi , Rika Raffiudin, J Jauharlina, Mahardika Gama Pradana, Araz Meilin, J Jasmi, Yulia Pujiastuti , Puji Lestari, Fahri Fahri, Windra Priawandiputra, Tri Atmowidi. 2022. Intra- and Interspecies Wing Venation Variations of <i>Apis cerana</i> and <i>Apis nigrocincta</i> : Species in Indonesia. H A Y A T I; Journal of Biosciences Vol. 29 No. 2, March 2022 222-233; ISSN: 1978-3019; EISSN: 2086-4094;		
	Y.Pujiastuti, DT Astuti, SR Afriyani, S Suparman, C.Irsan, ER Sembiring, S.Nugraha, Mulawarman and N Damiri. 2018. Characterization of <i>Bacillus thuringiensis</i> Berl. Indigenous from soil and its potency as biological agnets of <i>Spodoptera litura</i> (lepidoptera:Noctuidae). International Symposium on Food and Agro-biodiversity (ISFA) 2017, IOP Conf. Series: Earth and Environment Science 102 (2018) 012064		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Phytopathological Society	Member	1995-now
	SAFE_Network	Member	2010-now

Name	Dr. Ir. Harman Hamidson, MP		
Position	Teaching Area	Plant Pathology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	University of Sriwijaya	2013
	Master Program (Agricultural Sciences)	M.P (M.Agr) in University of Gadjah Mada	1995
	Undergraduate Degree (Department o Plant Pest and Disease)	University of Sriwijaya	1986
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1988-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> 1. Identification and Attack of a Deadly New Wilt Disease as a Threat of Duku Plants in South Sumatra. Funded by University of Sriwijaya (2021). 2. Epidemiology of Diseases Caused by Fungi on Corn Plants in North Indralaya District, Ogan Ilir Regency. Funded by University of Sriwijaya (2020). 3. Development of Several Corn Leaf Diseases Caused by Fungi in North Indralaya District, Ogan Ilir Regency. Funded by University of Sriwijaya (2019). 4. Anthracnose Disease (<i>Colletotrichum</i> sp) on Chili (<i>Capsicum annum</i> L.) in North Indralaya District, Ogan Ilir Regency. Funded by University of Sriwijaya (2018). 5. Antiviral Activity of Plant Extracts against Mosaic Virus Infection and Its Effect on the Presence of Apids as Vectors in Lowland Chili Plants. Funded by University of Sriwijaya (2018). 		
Industry collaborations over the last 5 years			
Patents and proprietary rights			
Important publications over the last 5 years	Wajdi. A. , Suwandi, S. , Irsan. C., Muslim. A , and Hamidson. H. 2018. Effect of Compost Extract Fortified with Tempe on Chili Mosaic Virus Disease. <i>International Journal of Environment, Agriculture and Biotechnology (IJEAB)</i> Vol-3, Issue-4, Jul-Aug-2018 http://dx.doi.org/10.22161/ijeab/3.4.10 ISSN: 2456-1878.		
	Suwandi, S., Junita, A., Suparman, Umayah, A., Hamidson, H. , Muslim, A., and Irsan, C. 2018. Curative Activity of Watery Fermented Compost Extract as a Bark Treatment against Tapping Panel Dryness. <i>The Open Agriculture Journal</i> , 12(1), 74-83		
	M Hasmeda. M., Suwignyo, R., Hamidson. H. , and M F Akbar. M.F. 2019. Growth and productions of crossing between brown rice accessions and submergence rice variety of Inpara 5. <i>International Conference of Bio-Based Economy and Agricultural Utilization 2019 IOP Conf. Series: Earth and Environmental Science</i> 497 (2020) 012001 IOP Publishing		
	Suwandi, S., Irsan, C., Hamidson, H. , Umayah, A., Asriyani, K.D. Identification and characterization of <i>Ceratocystis fimbriata</i> causing lethal wilt on the lansium tree in Indonesia. <i>Plant Pathology Journal</i> , 2021, 37(2), pp. 124–136		
	Muslim. A., Pratama, P., Suwandi, S and Hamidson, H. 2022. Diseases Severity, Genetic Variation, and Pathogenicity of <i>Ceratocystis</i> Wilt on <i>Lansium domesticum</i> in South Sumatra, Indonesia. <i>Plant Pathol. J.</i> 38(2) : 131-145.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Phytopathological Society	Member	1995-now

Name	Prof. Dr. Ir. Ahmad Muslim, M.Agr		
Position	Teaching Area	Plant Pathology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	Sriwijaya University	1988
	Master Program (Agricultural Sciences)	Hokkaido University	1995
	Undergraduate Degree (Department of Plant Pest and Disease)	Gifu University	2003
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1990-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> The discovery of sudden wilt disease as a new disease and a deadly threat to acacia and soursop plants, Funded by Basic Research of College Excellence, Ristekdikti (2022) Study of Etiopathology of Seedling Wilt Disease on Acacia Plants in South Sumatra. Funded by PMDSU, Ristekdikti (2019-2021). Ecopathology of Ceratocystis Wilt in Agroforestry Plants in South Sumatra. Funded by PMDSU, Ristekdikti (2019-2021). Treatment of Dry Disease of Tapping Grooves in Rubber Plants Based on Microbial Community Enrichment, Funded by Research on Decentralization of PUPT Unsri 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title		Year
	Production process of <i>Bacillus thuringiensis</i> -based Bioinsecticide enriched with flash of golden snail <i>Pomacea canaliculata</i> (Granted patent No. IDP000054238)		2018
	Plant biostimulants containing amino acids and fatty acids and their use for stress recovery (Granted patent No. P00201707181)		2017
Important publications over the last 5 years	Muslim, A., Pratama, R., Suwandi, S., Hamidson, H. 2022. Diseases Severity, Genetic Variation, and Pathogenicity of <i>Ceratocystis</i> Wilt on <i>Lansium domesticum</i> in South Sumatra, Indonesia. <i>Plant Pathology Journal</i> , 38(2), pp. 131–145		
	Soleha, S., Muslim, A., Suwandi, S., Kadir, S., Pratama, R. 2022. Host range studies of <i>Fusarium oxysporum</i> , causal agent of seedling wilt disease of <i>Acacia mangium</i> . <i>Biodiversitas</i> , 2022, 23(1), pp. 25–32		
	Soleha, S., Muslim, A., Suwandi, S., Kadir, S., Pratama, R. The identification and pathogenicity of <i>Fusarium oxysporum</i> causing acacia seedling wilt disease. <i>Journal of Forestry Research</i> , 2022, 33 (2), 711-719		
	Pratama, R., Muslim, A., Suwandi, S., Damiri, N., Soleha, S. Jackfruit (<i>Artocarpus heterophyllus</i>), a new host plant of <i>Ceratocystis</i> wilt in South Sumatra, Indonesia <i>Australasian Plant Disease Notes</i> , 2021, 16(1), 24		
	Pratama, R., Muslim, A., Suwandi, S., Damiri, N., Soleha, S. First report of bullet wood (<i>Mimusops elengi</i>) sudden decline disease caused by <i>Ceratocystis manginecans</i> in Indonesia. <i>Biodiversitas</i> , 2021, 22(5), pp. 2636–264		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Phytopathological Society	Member	1995-now

Name	Dr.-phil. Ir. Arin afril		
Position	Teaching Area	Plant Pests, Pesticide	
	Designation	Undergraduate Program	
Academic career	Fulbright Post-doctoral Program. Integrated Pest Management and Sustainable Agriculture. (Host: Prof. Geoff. Zehnder)	Department of Plant and Environmental Sciences, Clemson University, Clemson, South Carolina, USA	2007-2008
	DAAD Post-doctoral Program. Botanical Insecticide. (Hosts: Prof. Thies Basedow, Prof. Heinrich Schmutterer)	Institut für Phytopathologie und Angewandte Zoologie, Justus-Liebig Universität, Giessen, Germany	2001-2002
	Doctorate (Biogeography: Environmental Toxicology)	Institut für Biogeographie, Universität des Saarlandes, Saarbrücken, Germany	1997
	Master Program (Biogeography and Environmental Assessment)	Institut für Biogeographie, Universität des Saarlandes, Saarbüecken, Germany	1994
	Undergraduate Degree (Department o Plant Pest and Disease)	Faculty of Agriculture, University of Sriwijaya	1988
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1990-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <p>1. Pro-poor Payment for Environmental Services in Thai Nguyen, Vietnam (Partly funded by Advanced Education Program on Enviromental Science and Management, Thai Nguyen University of Agriculture and Forestry, Thai Nguyen, Vietnam). 2020 -</p> <p>2. Water Quality Assessment of Rivers in Thai Nguyen Province, Vietnam (Partly funded by Advanced Education Program on Enviromental Science and Management, Thai Nguyen University of Agriculture and Forestry, Thai Nguyen, Vietnam). 2020 -</p>		
Industry collaborations over the last 5 years	Not available		
Patents and proprietary rights	Title		Year
	Not available		
Important publications over the last 5 years	Agustiyani, Dwi & Agandi, R & Arinafril, Arinafril & Adi Nugroho, Agung & Antonius, Sarjiya. (2021). The effect of application of compost and frass from Black Soldier Fly Larvae (<i>Hermetia illucens</i> L.) on growth of Pakchoi (<i>Brassica rapa</i> L.). IOP Conference Series: Earth and Environmental Science. 762. 012036.		
	Abduh, Muhammad & Budianta, Dedik & Arinafril, Arinafril & Erina, Lili. (2020). Linking Local Government and Demographics to Ecological Footprint. Sriwijaya Journal of Environment. 5. 142-150. 10.22135/sje.2020.5.3.142-150.		
	Abduh, Muhammad & Budianta, Dedik & Arinafril, Arinafril & Erina, Lili. (2019). Geographical and Level of Local Government Variation on the Phenomenon of Ecological Footprint in Indonesia: Descriptive Analysis. Sriwijaya Journal of Environment. 4. 123-132. 10.22135/sje.2019.4.3.123-132.		
	Mirawati, Mirawati & Arinafril, Arinafril & Faisal, Muhammad. (2018). Accumulation of Some Heavy Metals in <i>Flavoparmelia caperata</i> and <i>Usnea dasypoga</i> as Air Quality Bioindicator in Palembang City. Science and Technology Indonesia. 3. 123-129.		
	Hecca, D., Arinafril, A., and Novia, N. 2018. Diversity of Odonata and Aquatic Environmental Conditions in Lake Area (Water Ski And Opi) Jakabaring Palembang-South Sumatra. Biovalentia: Biological Research Journal (4) : 2.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Association of Indonesian Lecturer	Member	2020-now
	Cassava Society of Indonesia	Member	2022-now

Name	Dr. Ir. Chandra Irsan, M.Si		
Position	Teaching Area	Entomology, Insect Taxonomy	
	Designation	Undergraduate Program	
Academic career	Doctorate (Entomology)	Bagor Agricultural University	2004
	Master Program (Entomology)	Bagor Agricultural University	1997
	Undergraduate Degree (Department of Plant Pest disease)	Sriwijaya University	1988
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1989-now
Research and development projects over the last 5 years	Name of project or research focus: Biostimulant formulation for control viral diseases of chili pepper. Funded by Basic Research Grant, BRIN/Ristekdikti (2018-2019).		
Industry collaborations over the last 5 years	PT. IndoCafco (ECOM Agroindustrial Corp. Ltd) – Collaboration research for commercialization of biopesticides for control coffee bean borer in Indonesia, Vietnam, and Papua New Guinea		
Patents and proprietary rights	Title		Year
	A plant biostimulant composed from shrimp shell compost extract, tannin, palm oil, polysorbate and citronella oil (Granted patent No. IDS000004512)		
	A composition of water extract of compost as biostimulant to control plant viral diseases (Granted patent No. IDS000004372)		
Important publications over the last 5 years	Anggraini, E.; Sriwijaya, U.; Herlinda, S.; Sriwijaya, U.; Irsan, C. ; Sriwijaya, U.; Harun, U.; Sriwijaya, U. Diversity of Predatory Arthropods in Soybean (<i>Glycine max</i> L) Refugia. 2020 , doi:10.32530/jaast.v4i2.165.		
	Anggraini, E.; Anisa, W.N.; Herlinda, S.; Irsan, C. ; Suparman, S.; Suwandi, S.; Harun, M.U.; Gunawan, B. Phytophagous insects and predatory arthropods in soybean and zinnia. <i>Biodiversitas</i> 2021 , 22, 1405–1414, doi:10.13057/biodiv/d220343.		
	Herlinda, S.; Alesia, M.; Susilawati; Irsan, C. ; Hasbi; Suparman; Anggraini, E.; Arsi Impact of mycoinsecticides and abamectin applications on species diversity and abundance of aquatic insects in rice fields of freshwater swamps of south sumatra, Indonesia. <i>Biodiversitas</i> 2020 , 21, 3076–3083, doi:10.13057/biodiv/d210727.		
	Suwandi, S., Irsan, C. , Hamidson, H., Umayah, A., Asriyani, K.D. Identification and characterization of <i>Ceratocystis fimbriata</i> causing lethal wilt on the lansium tree in Indonesia. <i>Plant Pathology Journal</i> , 2021, 37(2), pp. 124–136		
	Herlinda S, Prabawati G, Pujiastuti Y, Susilawati, Karenia T, Hasbi, Irsan C. 2020. Herbivore insects and predatory arthropods in freshwater swamp rice field in South Sumatra, Indonesia sprayed with bioinsecticides of entomopathogenic fungi and abamectin. <i>Biodiversitas</i> 21:3755-3768		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Entomological Society	Member	1990-now

Name	Prof. Dr. Ir. Siti Herlinda, M.Si		
Position	Teaching Area		
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	IPB University	2000
	Master Program (Agricultural Sciences)	IPB University	1995
	Undergraduate Degree (Department of Plant Pest and Disease)	University of Sriwijaya	1989
Employment	Position: Professor	Employer: University of Sriwijaya	Period: 1992- now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> 1. Pathogenicity of Entomopathogenic Fungus Isolates from South Sumatra against the Filariasis Vector Mosquito, <i>Culex quinquefasciatus</i> (Kemendikbudristek, 2022), 60,000,000 IDR 2. Endophytic Fungi Originating from South Sumatra with Potential for Entomopathogens for <i>Spodoptera frugiperda</i> and Maize Growth Stimulators (Kemendikbudristek, 2021-2022), 302,640,000 IDR 3. Bio-ecology of <i>Spodoptera frugiperda</i> and Their Interaction with Indigenous Natural Enemies in South Sumatra (Kemendikbudristek, 2021), 144,815,000 IDR 4. Development of Bioinsecticide Technology with Active Toxins from Entomopathogenic Fungi from Swamplands to Control Chili Pests in Suboptimal Lands (Kemenristekdikti, 2018-2020), 481,188,000 IDR <p>Improving Swamp Rice Productivity Using Indigenous Microbial Bioinsecticide Technology Innovations Double Function as Pest Control and Refurbishing Suboptimal Swamp Rice (Kemenristekdikti, 2016-2018), 296,205,000 IDR</p>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title		Year
	Production method and secondary metabolite extraction entomopathogenic fungi for controlling insect pests, Granted DS000002699		2019
	Methods of Making Solid Bioinsecticides from Entomopathogenic Fungi and Bacteria with Organic Fertilizer Carriers and Its Use to Control Insect Pests, Granted P00201304703		2013
	A dual-functional bioinsecticide in liquid formulation from entomopathogenic fungi and the method of preparation, and its use to control insect pests and fertilize plants, Granted IDP000035049		2013
Important publications over the last 5 years	<p>S. Herlinda, R. Suharjo, M. Elbi Sinaga et al., First report of occurrence of corn and rice strains of fall armyworm, <i>Spodoptera frugiperda</i> in South Sumatra, Indonesia and its damage in maize, <i>Journal of the Saudi Society of Agricultural Sciences</i></p> <p>Herlinda S, Efendi RA, Suharjo R, Hasbi, Setiawan A, Elfita, Verawaty M (2020) New emerging entomopathogenic fungi isolated from soil in South Sumatra (Indonesia) and their filtrate and conidial insecticidal activity against <i>Spodoptera litura</i>. <i>Biodiversitas</i> 21: 5102–5113.</p> <p>Herlinda S, Gustianingtyas M, Suwandi S, Suharjo R, Sari JMP, Lestari RP (2021) Endophytic fungi confirmed as entomopathogens of the new invasive pest, the fall armyworm, <i>Spodoptera frugiperda</i> (JE Smith) (Lepidoptera: Noctuidae), infesting maize in South Sumatra, Indonesia. <i>Egyptian Journal of Biological Pest Control</i> 31: 1–13.</p> <p>Herlinda S, Prabawati G, Pujiastuti Y, Susilawati, Karenia T, Hasbi, Irsan C. 2020. Herbivore insects and predatory arthropods in freshwater swamp rice field in South Sumatra, Indonesia sprayed with bioinsecticides of entomopathogenic fungi and abamectin. <i>Biodiversitas</i> 21:3755-3768</p>		
Activities in specialist bodies over the last 5 year	Organisation	Role	Period
	Indonesian Entomological Society	Member	1995-now

Name	Dr. Ir. Mulawarman, M.Sc		
Position	Teaching Area	Nematology, Bacteriology, Biotechnology and Apiology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Soil ecology and nematology sciences)	University of Bonn, Germany	2002
	Master Program (Pure Sciences)	Universitas Ghent, Belgium	1996
	Undergraduate Degree	University of Sriwijaya	1993
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1993-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> Use of natural products based on renewable raw materials to stimulate soil health and control <i>Meloidogyne incognita</i>. (2017) Developing and improving microbial control: identify candidate organisms, improve the organism and improve production/application with basic research for supporting the integrated pest management (2018) Entomopathogenic nematodes for control insect pests in tropical crops (2019) Honey Bees: Biology, Ecology, Foraging and Bee Keeping (2020) Understanding The Dynamics of Soil Fungal Diversities in Lands Converted from <i>Melaleuca</i> Natural Forest to <i>Eucalyptus</i> Plantation Forest (2022) 		
Industry collaborations over the last 5 years	<ol style="list-style-type: none"> Coating of granule organic fertilizer with plant growth promoting bacteria – PT. Pinago Utama (2018) Accelerat of composting of empty palm fruit bunches fertilizer in palm oil mills – PT. Buana Sriwijaya Sejahtera (2021) 		
Patents and proprietary rights	Title	Year	
	Proses pembuatan granul biofungisida berbahan aktif <i>Trichoderma</i> untuk pengendalian penyakit tular tanah pada tanaman pertanian	2021	
Important publications over the last 5 years	N Damiri, Mulawarman , A Umayah, S E Agustin and M Rahmiyah. 2018. Effect of <i>Pseudomonas</i> spp on infection of <i>Peronosporaparasitica</i> (Pers. Fr), the pathogen of downy mildew on Chinese cabbage. IOP Conf. Series: Earth and Environmental Science 102 (2018) 012065 doi :10.1088/1755-1315/102/1/012065.		
	Damiri N, Mulawarman , Effendi RS. 2019. Antagonism of <i>Pseudomonas fluorescens</i> from plant roots to <i>Rigidoporus lignosus</i> pathogen of rubber white roots in vitro. <i>Biodiversitas</i> 20: 1549-1554		
	Y Pujiastuti, D T Astuti, S R Afriyani, S Suparman, C Irsan, E R Sembiring, S Nugraha, Mulawarman and N Damiri. 2018. Characterization of <i>Bacillus thuringiensis</i> Berl. Indigenous from soil and its potency as biological agents of <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). IOP Conf. Series: Earth and Environmental Science 102, 012064 doi :10.1088/1755-1315/102/1/012064		
	Mulawarman, Rido., Trifitriana, Monica., Felani, Muhammad., Mulawarman, Mulawarman. , Tondas, Alexander Edo. 2021. Garlic Effect On Reduce Blood Pressure And Cholesterol In Patients With And Without Hypertension: A Systematic Review And Meta-Analysis Of Randomized Controlled Trials. <i>Journal of Hypertension</i> . 39. e4. 10.1097/01. hjh. 0000752400. 24367. fa		
	Temesgen Addis, Mulawarman Mulawarman , Lieven Waeyenberge, Maurice Moens, Nicole Viaene, Ralf-Udo Ehlers Identifikasi dan variabilitas intraspesifik strain <i>Steinernema feltiae</i> dari desa Cemoro Lawang di Jawa Timur, Indonesia // <i>Russian Journal of Nematology</i> . 2011.		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	South Sumatra Regional Bee Association	Head	2021-2024



Name	Prof. Ir. Suwandi, M.Agr., Ph.D.			
Position	Teaching Area	Plant Pathology		
	Designation	Undergraduate Program		
Academic career	Doctorate (Plant Pathology)	Graduate School of Agriculture, Hokkaido University, Japan	Doctorate (Plant Pathology)	
	Master Program (Plant Pathology)	Graduate School of Agriculture, Hokkaido University, Japan	Master Program (Plant Pathology)	
	Undergraduate Degree (Plant Pathology)	University of Sriwijaya, Faculty of Agriculture, Plant Protection Department	Undergraduate Degree (Plant Pathology)	
Employment	Position: Senior Lecturer	Employer: University of Sriwijaya	Position: Senior Lecturer	
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> Characterization of allelopathy mechanisms by perennial herbaceous plant against inoculum and pathogenicity of <i>Ganoderma</i>, pathogen of oil palm basal stem rot. Funded by Basic Research Grant, BRIN/Ristekdikti (2021-2022). Biostimulant formulation for control viral diseases of chili pepper. Funded by Basic Research Grant, BRIN/Ristekdikti (2018-2019). 			
Industry collaborations over the last 5 years	PT. IndoCafco (ECOM Agroindustrial Corp. Ltd) – Collaboration research for commercialization of biopesticides for control coffee bean borer in Indonesia, Vietnam, and Papua New Guinea			
Patents and proprietary rights	Title		Year	
	A plant biostimulant composed from shrimp shell compost extract, tannin, palm oil, polysorbate and citronella oil (Granted patent No. IDS000004512)		2021	
	A composition of water extract of compost as biostimulant to control plant viral diseases (Granted patent No. IDS000004372)		2021	
	Shrimp waste-enriched compost extract, method for production thereof, and use thereof for control plant diseases and improving plant growth (registered patent No. IDP000035097)		2013	
	A dual-functional bioinsecticide in liquid formulation from entomopathogenic fungi and the method of preparation, and its use to control insect pests and fertilize plants (registered patent No. IDP000035049)		2013	
Important publications over the last 5 years	<p>Suwandi, S; Rahmadhani, T P; Suparman, S; Irsan, C; Muslim, A. 2022. Allelopathic potential of root exudates from perennial herbaceous plants against <i>Ganoderma boninense</i>. IOP Conf. Series: Earth and Environmental Science 976 (2022) 012053.</p> <p>Soleha, S., Muslim, A., Suwandi, S., Kadir, S., Pratama, R. The identification and pathogenicity of <i>Fusarium oxysporum</i> causing acacia seedling wilt disease. Journal of Forestry Research, 2022, 33 (2), 711-719</p> <p>Pratama, R., Muslim, A., Suwandi, S., Damiri, N., Soleha, S. Jackfruit (<i>Artocarpus heterophyllus</i>), a new host plant of <i>Ceratocystis</i> wilt in South Sumatra, Indonesia Australasian Plant Disease Notes, 2021, 16(1), 24</p> <p>Pratama, R., Muslim, A., Suwandi, S., Damiri, N., Soleha, S. First report of bullet wood (<i>Mimusops elengi</i>) sudden decline disease caused by <i>Ceratocystis manginecans</i> in Indonesia. Biodiversitas, 2021, 22(5), pp. 2636–264</p> <p>Suwandi, S., Irsan, C., Muslim, A., and Herlinda, S. Protection of chili pepper from mosaic virus disease and <i>Aphis gossypii</i> by a fermented water extract of compost. IOP Conference Series: Earth and Environmental Science 468 (1), 2020, 012043</p>			
	Activities in specialist bodies over the last 5 years	Organisation	Role	Period
		Indonesian Phytopathological Society	Member	1993-now

Name	Weri Herlin, S.P., M.Si., Ph.D		
Position	Teaching Area	Entomology, Insect Ecology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	MIE University Japan	Doctorate (Agricultural Sciences)
	Master Program (Agricultural Sciences)	University of Sriwijaya	Master Program (Agricultural Sciences)
	Undergraduate Degree (Department o Plant Pest and Disease)	Andalas University	Undergraduate Degree (Department o Plant Pest and Disease)
Employment	Position: Lecturer	Employer: University of Sriwijaya	Position: Lecturer
Research and development projects over the last 5 years	Name of project or research focus: 1. Fitness performance of immatures under superparasitism and superparasitism strategy in an infanticidal semi-solitary parasitoid (Hymenoptera: Dryinidae): Effects of size of ovipositing females . Funded by Mombukagakusho Japan.		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	Herlin, W., Yoshimura, H., Yamada ,YY.2019. Large mothers produce progeny with high survival rates during the immature stage and large sizes at adulthood in a parasitoid species. <i>Science of nature</i> , 2019, 106:52.		
	Herlin, W., Yoshimura, H., Yamada ,YY.2021. Survival rates of the first and second offspring of <i>Echthrodolphax fairchildii</i> Perkins (Hymenoptera: Dryinidae) under self and conspecific superparasitism: The effects of body size of vipoiting Females. <i>Entomological science</i> , 2021, 24, 366–381.		
	Herlin, W., Yamada ,YY.2018. Superparasitism strategy of a semisolitary parasitoid <i>Echthrodolphax fairchildii</i> Perkins (Hymenoptera: Dryinidae) in the case of 4 th instar host which rarely produces two parasitoid adults. <i>Entomological society of Japan</i> , 2018, 1809.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Entomological Society	Member	2016-now
	Entomological society of Japan		2017 - Now



Name	Erise Anggraini, S.P., M.Si.		
Position	<i>Teaching Area</i>	<i>Entomology, Biological Control</i>	
	<i>Designation</i>	<i>Undergraduate Program</i>	
Academic career	<i>Doctorate (Agricultural Sciences)</i>	<i>Universiti Putra Malaysia</i>	<i>Doctorate (Agricultural Sciences)</i>
	<i>Master Program (Agricultural Sciences)</i>	<i>University of Sriwijaya</i>	<i>Master Program (Agricultural Sciences)</i>
	<i>Undergraduate Degree (Department o Plant Pest and Disease)</i>	<i>University of Sriwijaya</i>	<i>Undergraduate Degree (Department o Plant Pest and Disease)</i>
Employment	<i>Position: Lecturer</i>	<i>Employer: University of Sriwijaya</i>	<i>Position: Lecturer</i>
Research and development projects over the last 5 years	<i>Name of project or research focus: 2. Exploration, Identification of Entomopathogenic Fungi Endophytic Root Vegetables and Endophytic Determination in Vigna sinensis (Sriwijaya University, 2019) 32,500,000 IDR</i>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	<i>Title</i>		<i>Year</i>
Important publications over the last 5 years	Anggraini, E. ; Sriwijaya, U.; Herlinda, S.; Sriwijaya, U.; Irsan, C.; Sriwijaya, U.; Harun, U.; Sriwijaya, U. Diversity of Predatory Arthropods in Soybean (<i>Glycine max</i> L) Refugia. 2020 , doi:10.32530/jaast.v4i2.165.		
	Anggraini, E. ; Anisa, W.N.; Herlinda, S.; Irsan, C.; Suparman, S.; Suwandi, S.; Harun, M.U.; Gunawan, B. Phytophagous insects and predatory arthropods in soybean and zinnia. <i>Biodiversitas</i> 2021 , 22, 1405–1414, doi:10.13057/biodiv/d220343.		
	Herlinda, S.; Alesia, M.; Susilawati; Irsan, C.; Hasbi; Suparman; Anggraini, E. ; Arsi Impact of mycoinsecticides and abamectin applications on species diversity and abundance of aquatic insects in rice fields of freshwater swamps of south sumatra, Indonesia. <i>Biodiversitas</i> 2020 , 21, 3076–3083, doi:10.13057/biodiv/d210727.		
	Herlinda, S.; Oktareni, S.S.; Suparman; Anggraini, E. ; Elfita; Setiawan, A.; Verawaty, M.; Hasbi; Lakitan, B. Effect of Application of UV Irradiated <i>Beauveria bassiana</i> and <i>Metarhizium anisopliae</i> on Larval Weight and Mortality of Spodoptera litura. 2020 , doi:10.2991/absr.k.200513.011.		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Indonesian Entomological Society</i>	<i>Member</i>	<i>2016-now</i>

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Name	Arsi, S.P., M.Si		
Position	Teaching Area	Warehouse Pests, Vertebrates Pests	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)		
	Master Program (Agricultural Sciences)	University of Sriwijaya	2008
	Undergraduate Degree (Department of Plant Pest and Disease)	University of Sriwijaya	2014
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 2015-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> Integrated Control of Chili Pests and Diseases Based on Fermented Biostimulant Applications. Competitive funded by Sriwijaya University (2020). Arthropod diversity in vegetable crops in the lowlands of South Sumatra. Sateks funded by Sriwijaya University (2020). Study of the impact of temperature, sunlight and rainfall treatment on the effectiveness of <i>Bacillus thuringiensis</i>-based bioinsecticides on the mortality of <i>Plutella xylostella</i> (Lepidoptera: Plutellidae) cabbage caterpillars. . Competitive funded by Sriwijaya University (2019). 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title		Year
	Pujiastuti, Y., A. Muslim, A., Suparman , Arsi, Junita, A Process of the formulation of <i>Bacillus thuringiensis</i> based bioinsecticide with the addition of golden snail (<i>Pomacea canaliculata</i>) (registered patent No. IDP000054238)		2018
Important publications over the last 5 years	Yulia Pujiastuti, Sofia Sandi, Arsi Arsi dan Dwi Probowati Sulistyani. 2021. Insecticidal activity of supernatant and crude extract of <i>Bacillus thuringiensis</i> -based bio-insecticide towards oil palm pests <i>Oryctes rhinoceros</i> (Coleoptera: Scarabaeidae). IOP Conf. Series: Earth and Environmental Science 709 (2021) 012070.		
	Siti Herlinda, Monica Alesia, Susilawati, Chandra Irsan, Hasbi, Suparman, Erise Anggraini, Arsi . 2020. Impact of mycoinsecticides and abamectin applications on species diversity and abundance of aquatic insects in rice fields of freshwater swamps of South Sumatra, Indonesia. BIODIVERSITAS. Volume 21, Number 7, July 2020.		
	Yulia Pujiastuti Rohwati, Suwandi, Dwi Probowati, Suparman, and Arsi . 2018. Toxicity of <i>Bacillus thuringiensis</i> -based Bio-insecticide on <i>Coptotermes curvinagthus</i> (Isoptera: Rhinotermitidae) in laboratory. JOAAT Journal of Advanced Agricultural Technologies Vol. 5, No. 1.		
	Yulia Pujiastuti, Arsi Arsi , Sofia Sandi. 2020. Characteristics of <i>Bacillus thuringiensis</i> isolates indigenous soil of South Sumatra (Indonesia) and their pathogenicity against oil palm pests <i>Oryctes rhinoceros</i> (Coleoptera: Scarabaeidae). BIODIVERSITAS Volume 21, Number 4. https://smujo.id/biodiv/article/view/5001/3762		
	Arsi Arsi , Noni Octariati, Suparman SHK, Bambang Gunawan, Siti Herlinda, Yulia Pujiastuti, Suwandi Suwandi, Chandra Irsan, Harman Hamidson, Riski Anwar Efendi, Lina Budiarti. 2020. Pengaruh Teknik Budidaya terhadap Serangan Penyakit pada Tanaman Cabai Rawit (<i>Capsicum frutescens</i> L.) di Kecamatan Lempuing, Kabupaten Ogan Komering Ilir. Planta Simbiosa Vol 2 No 2.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Entomological Society	Member	2016-now

Name	Dr. Rahmat Pratama, S.Si		
Position	Teaching Area	Plant Pathology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	Sriwijaya University	Doctorate (Agricultural Sciences)
	Master Program (Agricultural Sciences)	Sriwijaya University	Master Program (Agricultural Sciences)
	Undergraduate Degree (Department of Plant Pest and Disease)	Sriwijaya University	Undergraduate Degree (Department Biology)
Employment	Position: Lecturer	Employer: University of Sriwijaya	Position: Lecturer
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> The discovery of sudden wilt disease as a new disease and a deadly threat to acacia and soursop plants, Funded by Basic Research of College Excellence, Ristekdikti (2022) Identification and Attack of New Diseases Causes Wilt That Kills Mahogany Plants as Pollution Antidote Plants and Medicinal Plants in South Sumatra. Funded by competitive, Sriwijaya University (2022) Ecopathology of Ceratocystis Wilt in Agroforestry Plants in South Sumatra. Funded by PMDSU, Ristekdikti (2019-2021). 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	Muslim, A., Pratama, R. , Suwandi, S., Hamidson, H. 2022. Diseases Severity, Genetic Variation, and Pathogenicity of Ceratocystis Wilt on Lansium domesticum in South Sumatra, Indonesia. <i>Plant Pathology Journal</i> , 38(2), pp. 131–145		
	Soleha, S., Muslim, A., Suwandi, S., Kadir, S., Pratama, R. 2022. Host range studies of <i>Fusarium oxysporum</i> , causal agent of seedling wilt disease of <i>Acacia mangium</i> . <i>Biodiversitas</i> , 2022, 23(1), pp. 25–32		
	Soleha, S., Muslim, A., Suwandi, S., Kadir, S., Pratama, R. The identification and pathogenicity of <i>Fusarium oxysporum</i> causing acacia seedling wilt disease. <i>Journal of Forestry Research</i> , 2022, 33 (2), 711-719		
	Pratama, R. , Muslim, A., Suwandi, S., Damiri, N., Soleha, S. Jackfruit (<i>Artocarpus heterophyllus</i>), a new host plant of <i>Ceratocystis</i> wilt in South Sumatra, Indonesia <i>Australasian Plant Disease Notes</i> , 2021, 16(1), 24		
	Pratama, R. , Muslim, A., Suwandi, S., Damiri, N., Soleha, S. First report of bullet wood (<i>Mimusops elengi</i>) sudden decline disease caused by <i>Ceratocystis manginecans</i> in Indonesia. <i>Biodiversitas</i> , 2021, 22(5), pp. 2636–264		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Phytopathological Society	Member	2022-now