



## Agronomy Study Program

# Staff Handbook



2022

Name	<b>Prof. Benyamin Lakitan, Ph.D.</b>		
Post	Teaching Area	Horticulture	
	Designation	Undergraduate Program	
Academic career	Doctorate (Vegetable Plants)	Cornell University, USA	1986-1989
	Master Program (Horticulture)	University of Kentucky, USA	1984-1986
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1978-1982
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1983-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> <li>1. Anticipation to extreme weather and sub-optimal land conditions on developing cultivation system of <i>Alternanthera sissou</i> (2022-2024).</li> <li>2. Adaptation of the technology on cultivation of vegetables for olericulture development in urban areas (2021-2023).</li> <li>3. Application of floating culture and vegetable adaptation to unpredictable climate for sustainable agriculture in the tropical riparian wetlands (2021-2023).</li> <li>4. Tolerance of <i>Amorphophallus muellerito</i> artificial shading and its application for cultivation under the canopy of rubber plantation (2021-2022).</li> <li>5. The yield of <i>Colocasia esculenta</i> affected by seedling size and hydropriming, periodic leaf harvesting, and partial tillering based on sink-and-source manipulation (2021).</li> </ol>		
Industry collaborations over the last 5 years	<p>Name of collaboration:</p> <ol style="list-style-type: none"> <li>1. Research collaboration and exchange students in crop sciences between Universitas Sriwijaya and Kagoshima University, Japan.</li> </ol>		
Patents and proprietary rights	Title	Year	
	Patent No. IDP000065141: Rakit botol bekas untuk pembibitan padi secara terapung	2019	
	Hak Cipta No. 000221559: Modul - Teknik non-konvensional budidaya sayuran untuk masa kini dan masa depan	2020	
	Hak Cipta No. 000262535: Buku – Budidaya tanaman di lahan lebak	2021	
Important publications over the last 5 year	5 of 44 publications (2017-2022)		
	<b>Lakitan, B., Susilawati, S., Wijaya, A., Ria, R. P., &amp; Putri, H. H.</b> 2022. Non-destructive leaf area estimation in habanero chili ( <i>Capsicum chinense</i> Jacq.). <i>International Journal of Agricultural Technology</i> , 18(2):633-650.		
	<b>Lakitan, B., Kartika, K., Widuri, L. I., Siaga, E., &amp; Fadilah, L. N.</b> 2021. Lesser-known ethnic leafy vegetables <i>Talinumpaniculatum</i> grown at tropical ecosystem: Morphological traits and non-destructive estimation of total leaf area per branch. <i>Biodiversitas Journal of Biological Diversity</i> , 22(10), 4487-4495.		
	<b>Lakitan, B.; Kartika; Susilawati.; Wijaya, A.</b> 2021. Acclimating leaf celery plant ( <i>Apium graveolens</i> ) via bottom wet culture for increasing its adaptability to tropical riparian wetland ecosystem. <i>Biodiversitas</i> 22: 320-328. <a href="https://doi.org/10.13057/biodiv/d220139">https://doi.org/10.13057/biodiv/d220139</a>		
	<b>Lakitan, B., Jaya, K. Kartika, Ria, R. P., &amp; Morianto, B.</b> 2020. The Effects of Different NPK Fertilization Rates and Water Regimes on Ratooned Black Glutinous Rice. <i>CMU Journal of Natural Science</i> , 19, 350-365.		
	<b>Lakitan, B., &amp; Kartika, K.</b> 2020. Population density, multiple harvesting, and ability of <i>Ipomoea reptans</i> to compete with native weeds at tropical wetlands. <i>Biodiversitas Journal of Biological Diversity</i> , 21(9), 4376-4383.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2017 - now

Name	<b>Prof. Dr. Ir. Rujito Agus Suwignyo, M.Sc.</b>		
Post	Teaching Area	Plant Physiology, Crops Cultivation, Crop Production in Swampland	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agronomy)	Okayama University, Japan	2000-2003
	Master Program (Plant Physiology)	University of The Ryukyus Chikawa, Japan	1998-2000
	Undergraduate Degree (Plant Physiology)	IPB University	1980-1984
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1985-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Improving crop varieties and developing agronomy best practice to stabilize crop productivity on Swamp Area. Funded by JSPS Japan (2012-2016). 2. Green Knowledge with Basis of Local Needs and Wisdom to Support Sustainable Development. A green knowledge grant funded by MCAI USA, (2015-2018). 3. Peatland Restoration in South Sumatra using agrosilvofishery method. Funded by Center for International Forestry Research (CIFOR) (2018-2022). 4. Development of Rice Varieties with Dual Resistance Characteristics using the Marker Assisted Backcrossing (MABC). Funded by UNSRI (2020-2021).		
Industry collaborations over the last 5 years	Name of collaboration: 1. Improving Palm Oil productivity with cultivation and breeding program. Collaboration with PT Sampoerna Agro Tbk.		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 52 publications (2017-2022)		
	<b>Suwignyo, R. A., E. S. Halimi, Susilawati, E. Sodikin, and Munandar.</b> 2022. Some progress to obtain rice tolerant and adaptive to climate change. Invited speaker at the 253th Meeting of the CSSJ. Tokyo Univ. of Agric., Japan March 27-28, 2022.		
	<b>Adriansyah, F., M. Hasmeda, R. A. Suwignyo, E. S. Halimi, Fatimah, I. Wibisono &amp; U. Sarimana.</b> 2022. Selection of Sub1 Locus for Submergence-Tolerant Introgression in a Backcrossing of Rice based on SSR Markers. <i>Sains Malaysiana</i> 51(3): 695-706.		
	<b>Suwignyo, R.A.</b> 2021. Growth characteristics of rice under submergence stress in nontidal swamp of South Sumatra. Invited speaker at ICREA Research Seminar. Nagoya University, Nagoya Japan, November 30, 2021.		
	<b>Suwignyo, R.A., J.I. Sakagami, M. Hasmeda, D. Siahaan, H. Ehara.</b> 2021. Response of Rice Varieties with Difference Submergence Tolerance to Two Period of Submerged Stress. Invited speaker at the 10th Asian Crop Science Association Conference (on line). Nagoya, Japan September 8-10, 2021.		
	<b>Suwignyo, R.A., H. Baral, Soo Min Lee, Y. B. Samsudin, . Sodikin, Munandar.</b> 2021. Restoring Degraded Peatland in South Sumatera. International Peatland Congress, Tallinn Estonia. International Peatlands Society, May 3-6 2021.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Social Forestry	Head of South Sumatera	2020-2024
	Matching FundDGHE	Team taskforce	2019-2022
	Competitive grant DGHE	Reviewer Team	2019-2022
	National Accreditation Board for HE	Team Instrument	2017-2021
	Peatland Research Center	Head	2018-2022

Name	<b>Dr. Ir. E. S. Halimi, M. Sc.</b>		
Post	Teaching Area	Plant Breeding and Experimental Statistics	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agronomy)	Mississippi State University	1993-1996
	Master Program (Agronomy)	Mississippi State University	1990-1992
	Undergraduate Degree (Agronomy)	Bogor Institute of Agriculture (IPB)	1981-1986
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1988-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Development of maize accessions tolerant to soil acidity with high quality protein content. 2. Development of black rice accessions tolerant to sub-emergence condition with high quality grains. 3. Development of hot pepper accessions tolerant to anthracnose soil borne diseases		
Industry collaborations over the last 5 years	Name of collaboration: 1. -		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 12 publications (2017-2022)		
	<b>Halimi, E.S.,</b> T.S. Pasaribu and S. Wijaya. 2021. Synthesis and evaluation of Maize accessions under naturally flooded tidal-swamp area. <i>Indian Journal of Agricultural Research</i> 55(4):389-395. <a href="https://10.18805/IJAr.A-581">https://10.18805/IJAr.A-581</a> .		
	Suwignyo, R. A., <b>E. S. Halimi,</b> Susilawati, Erizal Sodikin, and Munandar. 2022. Some progress to obtain rice varieties tolerant and adaptive to climate change conditions in Indonesia's non tidal swamps. Presented as an invited speaker at a Minisymposium Post ACSAC10: Frontiers of Rice Research in Indonesia—Adaptation to Global Warming. The 253th Meeting of the Crop Science Society of Japan by virtual academic conference. Tokyo University of Agriculture, Kanagawa, Japan March 27-28, 2022. <a href="http://www.cropsociety.jp/meeting/253/symposium.html">http://www.cropsociety.jp/meeting/253/symposium.html</a> .		
	Adriansyah, F., Hasmeda, M., Suwignyo, R.A., <b>Halimi, E.S.,</b> Fatimah, Wibisono, I., and Sarimana, U. 2022. Selection of Sub1 locus for submergence-tolerant introgression in a Backcrossing of South Sumatra rice based on SSR markers. <i>Sains Malaysiana</i> , 51(3): 695-706. <a href="http://doi.org/10.17576/jsm-2022-5103-05">http://doi.org/10.17576/jsm-2022-5103-05</a> .		
	Adriansyah, F., Hasmeda, M., Suwignyo, R.A., <b>Halimi, E.S.,</b> and Sarimana, U. 2021. Genetic diversity and relationship of South Sumatra local rice and its backcrossed lines based on the matK gene. <i>SABRAO Journal of Breeding and Genetics</i> , 53(3): 499-509.		
	Adriansyah, F., Hasmeda, M., Suwignyo, R.A., <b>Halimi, E.S.</b> and Sarimana, U. 2021. Improvement of the submergence stress tolerance of local South Sumatran rice through the introgression of the Sub1 gene by using marker-assisted selection. <i>SABRAO Journal of Breeding and Genetics</i> , 53(4) 575-591. <a href="https://doi.org/10.54910/sabrao2021.53.4.3">https://doi.org/10.54910/sabrao2021.53.4.3</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Western region Indonesian State University Union (BKS-PTN Barat)	Executive Secretary	2005-now.
	South Sumatera Breeder Association (PERIPI Komda Sumsel)	Chairman	2021-now

Name	<b>Dr.agr. Ir. Erizal Sodikin</b>		
Post	Teaching Area	Plant Ecology and Weed Science	
	Designation	Undergraduate Program	
Academic career	Doctorate (Weeds Ecology)	Universitaet Kassel, Germany	1989-1994
	Undergraduate Degree (Agronomy)	Gajah Mada University	1979-1984
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1985-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Productivity Improvement of degraded peatland and mangrove. 2. Rubber and Oil Palm Production.		
Industry collaborations over the last 5 years	Name of collaboration: 1. The Center for International Forestry Research (CIFOR) 2. Peatland Restoration Agency (BRG)		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 12 publications (2017-2022)		
	Widuri, L.I., Lakitan, B., Hasmeda, M., <b>Sodikin, E.</b> , Wijaya, A., Meihana, M., Kartika, and Sinaga, E. 2017. Relative leaf expansion rate and other leaf-related indicators for detection of drought stress in chili pepper ( <i>Capsicum annum L.</i> ). <i>Australian Journal of Crop Science</i> , 11(12):1517-1625. <a href="https://doi.org/10.21475/ajcs.17.11.12.pne800">https://doi.org/10.21475/ajcs.17.11.12.pne800</a> .		
	Widuri, L.I., Lakitan, B., <b>Sodikin, E.</b> , Hasmeda, M., Meihana, M., Kartika and Sinaga, E. 2018. Shoot and root growth in common bean ( <i>Phaseolus vulgaris L.</i> ) exposed to gradual drought stress. <i>AGRIVITA, Journal of Agriculture</i> , 40(3):442-452. <a href="http://doi.org/10.17503/agrivita.v40i0.1716">http://doi.org/10.17503/agrivita.v40i0.1716</a> .		
	Fitri, S.N., Bernas, S.T., <b>Sodikin, E.</b> , Wijaya, A., and Apriadi, F. 2019. The Influence of Phosphate Fertilizer and Plant Growth Regulators on the Growth and Yield of Ratoon Rice ( <i>Oryza sativa L.</i> ) Grown on Swampland. <i>Journal of Tropical Soil</i> , 23(2): 73-80. <a href="http://doi.org/10.5400/jts.2018.v23i2.73">http://doi.org/10.5400/jts.2018.v23i2.73</a> .		
	Widuri, L.I., Lakitan, B., Hasmeda, M., <b>Sodikin, E.</b> , Wijaya, A., Meihana, M., Kartika, and Sinaga, E. 2017. Relative leaf leaf expansion rate and other leaf-related indicators for detection of drought stress in chili pepper ( <i>Capsicum annum L.</i> ). <i>Australian Journal of Crop Science</i> , 11(12): 1617-1625. <a href="https://doi.org/10.21475/ajcs.17.11.12.pne800">https://doi.org/10.21475/ajcs.17.11.12.pne800</a>		
	Fitriana, M., Sulaiman, F. and <b>Sodikin, E.</b> 2019. Organic farming technology of utilizing oil palm empty fruit bunch compost and Leguminosae plant compost to reduce NPK fertilizer dosage on growth and yield of brown rice ( <i>Oryza nivara</i> ). <i>RJOAS</i> , 87(3): 260-265.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Weed Science Society of Indonesia (HIGI)	Vice Chairman	1990 - now
	Indonesian Association of Agricultural Meteorology (PERHIMPI)	Member	2019 - now
	Indonesian Agronomy Association (PERAGI)	Chaiman of South Sumatra Branch	2018 - now

Name	<b>Dr. Ir. Susilawati, M.Si.</b>		
Post	Teaching Area	Horticulture	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Sciences)	Universitas Sriwijaya	2008-2012
	Master Program (Plant Science)	Universitas Sriwijaya	1996-1999
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1987-1991
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1995-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> <li>Adaptation of vegetable cultivation technology in riparian wetlands to be adopted in olericultural development in urban areas. Funded by University of Sriwijaya (2021).</li> <li>Development of wetlands through floating cultivation of rice and vegetables. Funded by University of Sriwijaya (2021).</li> <li>Adaptation of curly red chili peat lines in soil and peatland of South Sumatra. Funded by University of Sriwijaya (2021).</li> <li>Increasing the land equivalence ratio through cultivation multilevel through of floating organic vegetables and local fish for food intensification in riparian wetland ecosystem. Funded by University of Sriwijaya (2020).</li> </ol>		
Industry collaborations over the last 5 years	<p>Name of collaboration:</p> <ol style="list-style-type: none"> <li>-</li> </ol>		
Patents and proprietary rights	Title		Year
	Getting to Know Vegetable Plants (Prospect and Grouping). (registered patent No. 000136648)		2017
	Basics of Hydroponic (Prospect and Grouping) (registered patent No. 000136651)		2019
Important publications over the last 5 years	5 of 50 publications (2017-2022)		
	<b>Susilawati</b> , Irmawati, Sukarmi, S., Ammar, M., Kurnianingsih, A., Yusnita, Yayandra. 2021. Growth and yiel of Shallot under several levels of soil water table. <i>Russioan journal of Agricultural and Socio-Economic Sciences</i> , 114(6):199-206. <a href="http://doi.org/10.18551/rjoas.2021-06.23">http://doi.org/10.18551/rjoas.2021-06.23</a> .		
	Lakitan, B., Kartika., <b>Susilawati</b> ., Wijaya, A. 2021. Acclimating leaf celery plant ( <i>Apium graveolens</i> ) via bottom wet culture for increasing its adaptability to tropical riparian wetland ecosystem. <i>Biodiversitas</i> , 22(1). <a href="https://doi.org/10.13057/biodiv/d220139">https://doi.org/10.13057/biodiv/d220139</a> .		
	Ichwan, B., Suwignyo, R.A., <b>Susilawati</b> , Eliyanti, Zulkarnain. 2021. Foliar spray of water soluble fertilizer enhances drought tolerance of chili pepper. <i>Analele Universităţii din Oradea, Fascicula Biologie</i> , XXVIII(1): 27-34.		
	Herlinda, S., Prabawati, G., Pujiastuti, Y., <b>Susilawati</b> , Karenina, 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(8): 3755-3768. <a href="https://doi.org/10.13057/biodiv/d210843">https://doi.org/10.13057/biodiv/d210843</a> .		
	<b>Susilawati</b> , Lakitan, B. 2019. Cultivation of common bean ( <i>Phaseolus vulgaris</i> L.) subjected to shallow water table at riparian wetland in South Sumatra, Indonesia. <i>Australian Journal of Crop Science</i> , 13(01): 98-104. <a href="https://o.21475/ajcs.19.13.01.p1298">https://o.21475/ajcs.19.13.01.p1298</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2017 – now
	Indonesian Association of Agroecotechnology (PAGI)	Member	2021-2025

Name	<b>Dr. Ir. Mery Hasmeda, M.Sc.</b>		
Post	Teaching Area	Genetics, Plant Breeding, Seeds Science and Annual Crops Cultivation	
	Designation	Undergraduate Program	
Academic career	Doctorate (Plant Breeding)	La Trobe University, Australia	1993-1998
	Master Program (Plant Breeding)	Mississippi State Univ. USA	1989-1991
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1981-1985
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1987-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> <li>1. Development of Submergence Tolerant of South Sumatra Local Rice Varieties Through Introgression of Sub1 Gene using Marker-Assisted Backcrossing Method (MABC). Funded by PMDSU project grant under the Ministry of Education (2018).</li> <li>2. Analysis of Sub1 Gene BC<sub>4</sub>F<sub>1</sub>-Sub1 Introgressed Progenies of South Sumatra Local Rice Varieties. Funded by University of Sriwijaya (2020).</li> <li>3. Molecular Analysis of Backcrossed Progenies of Black Rice Varieties and Inpara 5. Funded by University of Sriwijaya (2019).</li> <li>4. Crossing of Brown Rice Varieties and Tolerant Rice Varieties (Sub1 Gene). Funded by University of Sriwijaya (2018).</li> <li>5. Field Test of BC<sub>2</sub>F<sub>2</sub> South Sumatra Backcrossed Lines Introgressed by Sub1 Gene for Submergence Tolerance. Funded by University of Sriwijaya (2018).</li> </ol>		
Industry collaborations over the last 5 years	<p>Name of collaboration:</p> <ol style="list-style-type: none"> <li>1. -</li> </ol>		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 49 publications (2017-2022)		
	Adriansyah, F., <b>Hasmeda, M.</b> , Suwignyo, R.A., Halimi, E.S., Fatimah., Wibisono, I., Sarimana, U. 2022. Selection of Sub1 locus for submergence-tolerant introgression in a Backcrossing of South Sumatra rice based on SSR markers. <i>Sains Malaysiana</i> , 51(3): 695-706. <a href="http://doi.org/10.17576/jsm-2022-5103-05">http://doi.org/10.17576/jsm-2022-5103-05</a> .		
	Adriansyah, F., <b>Hasmeda, M.</b> , Suwignyo, R.A., Halimi, E.S., Sarimana, U. 2021. Genetic diversity and relationship of South Sumatra local rice and its backcrossed lines based on the matK gene. <i>SABRAO Journal of Breeding and Genetics</i> , 53(3): 499-509.		
	Adriansyah, F., <b>Hasmeda, M.</b> , Suwignyo, R.A., Halimi, E.S., Sarimana, U. 2021. Improvement of the submergence stress tolerance of local South Sumatran rice through the introgression of the Sub1 gene by using marker-assisted selection. <i>SABRAO Journal of Breeding and Genetics</i> , 53(4) 575-591. <a href="https://doi.org/10.54910/sabrao2021.53.4.3">https://doi.org/10.54910/sabrao2021.53.4.3</a> .		
	<b>Hasmeda, M.</b> , Sulaiman, F, Hamidson, H and Bactiar,A. 2022. Backcrossing of BC3 F2 Accession with Local Parents of Rice Plants which Resistance to Submergence Stress. <i>Conf. Ser.: Earth Environ. Sci.</i> 995 012042		
	Purba, K.F., Yazid, M., <b>Hasmeda, M.</b> , Adriani, D., Tafari, M.F. 2021. The sustainability of rice farming practices in tidal swamplands of South Sumatra Indonesia. <i>Slovak Journal of Food Sciences</i> , 15:9-17. <a href="https://doi.org/10.5219/1473">https://doi.org/10.5219/1473</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

Name	<b>Dr. Ir. Firdaus Sulaiman, M. Si.</b>		
Post	Teaching Area	Seed Science and Technology for Food Crop and Horticulture	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agronomy)	Universitas Sriwijaya	2010-2015
	Master Program (Agronomy)	Bogor Agricultural Institute	1991-1994
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1978-1984
Employment	Position: Lecturer	Employer: Universitas 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"> <li>The potency of tissue culture propagation for horticultural plants (2022).</li> <li>Organic Agriculture Technology by Utilizing Compost of Empty Palm Oil Bunches for the Growth and Yield of Cabbage Flowers. Funded by University of Sriwijaya (2020).</li> <li>Organic Farming Technology by Utilizing EFB Compost and Legume Plant Compost to Reduce the Dose of NPK Fertilizer on the Growth and Yield of Brown Rice (<i>Oryza nivara</i>). Funded by University of Sriwijaya (2019).</li> <li>Analysis of Sub1 Gene BC3F1 Backcrossed Progenies of South Sumatra Rice Varieties and FR13A. Funded by University of Sriwijaya (2018).</li> </ol>		
Industry collaborations over the last 5 years	<p>Name of collaboration:</p> <ol style="list-style-type: none"> <li>Seed industry of rice produce by farmers at Sako Village Banyuasin South Sumatra</li> </ol>		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 13 publications (2017-2022)		
	Ria, R.P., Lakitan, B., <b>Sulaiman, F.</b> , Kartika, Suwignyo, R.A. 2020. Cross-ecosystem utilizing primed seeds of upland rice varieties for enriching crop diversity at riparian wetland during dry season. <i>Biodiversitas</i> , 2(7): 3008-3017. <a href="https://doi.org/10.13057/biodiv/d210718">https://doi.org/10.13057/biodiv/d210718</a> .		
	Fitriana, M., Sodikin, E., <b>Sulaiman, F.</b> 2020. The use of oil palm empty fruit bunches compost, rice husk charcoal and chicken manure to reduce NPK fertilizer doses on the growth and yields of Cauliflower ( <i>Brassica oleracea</i> var, <i>Botrytis</i> L.). <i>Russian Journal of Agricultural and Socio-Economic Sciences</i> , 2(98): 161-165. <a href="https://doi.org/10.18551/rjoas.2020-02.19">https://doi.org/10.18551/rjoas.2020-02.19</a> .		
	Safriyani, E., Hasmeda, M., Munandar, <b>Sulaiman, F.</b> , Holidi., Kartika. 2020. The role of <i>Azolla</i> on improving nitrogen efficiency in rice cultivation. <i>Iranian Journal of Plant Physiology</i> . <i>Iranian Journal of Plant Physiology</i> , 10(2): 3095 – 3102.		
	Safriyani, E., Hasmeda, M., Munandar, <b>Sulaiman, F.</b> , Holidi. 2020. Increasing the Growth and Production of Irrigated Rice Through the Integrated Application of Rice–Duck– <i>Azolla</i> . <i>Acta Botanica</i> , 73(2):1-8. <a href="https://doi.org/10.5586/aa.7322">https://doi.org/10.5586/aa.7322</a> .		
	Safriyani, E., Hasmeda, M., Munandar, <b>Sulaiman, F.</b> , Holidi. 2020. Increasing the Growth and Production of Irrigated Rice Through the Integrated Application of Rice–Duck– <i>Azolla</i> . <i>Acta Botanica</i> , 73(2):1-8. <a href="https://doi.org/10.5586/aa.7322">https://doi.org/10.5586/aa.7322</a> .		
	<a href="https://doi.org/10.5586/aa.7322">https://doi.org/10.5586/aa.7322</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Weed Science Society of Indonesia (HIGI)	Research and Development in weed science	1990 - now
	Indonesian Association of Agricultural Meteorology (PERHIMPI)	Meteorological Research, Community Service and Seminar for Agriculture	1988 - now
	Indonesian Agronomy Association (PERAGI)	Research and Seminar for Agronomy	1990 - now



Name	<b>Dr. Ir. M. Umar Harun, M. S.</b>		
Post	Teaching Area	Plant Physiology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Perennial Crop)	University of Padjadjaran	1996-2001
	Master Program (Ecophysiology)	University of Padjadjaran	1990-1993
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1981-1986
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1988-now
Research and development projects over the last 5 years	<i>Name of project or research focus:</i> 1. Response of plantation crops to drought (2018- now) 2. Adaptation of plantation crops in polyculture system (2016-now) 3. Composting Technology for plantation waste (2019-now)		
Industry collaborations over the last 5 years	<i>Name of collaboration:</i> 1. PT. Sumatera Asia Mandiri (company of oil palm plantation) Research on controlling the effect of drought on oil palm 2. PT. Golden Oilindo Nusantara (company of CPO mill) Research on the use of solid decanters to become bio-compost.		
Patents and proprietary rights	Title		Year
	Method for making granular organic fertilizer from mixture of solid decanter and moiler ash coated with KNO <sub>3</sub> (IDS000002701)		2018
	The method for making BSF organic fertilizer from a mixture of restaurant waste and solid decanter from palm oil mill waste(500202008810) - in the process		2020
Important publications over the last 5 years	5 of 28 publications (2017-2022)		
	E. Anggraini, S. Herlinda, C.Irsan, <b>M.U. Harun</b> . 2020. <i>Diversity of predatory arthropods in soybean (Glycinemax L.) Refugia</i> . J AgricSciTechnol 4 (2), 101-117.		
	Inonu, I., D. Budianta, <b>M.U. Harun</b> , Y. Yakup, A.Y.A. Wiralaga. 2020. <i>Ameliorasi bahan organik pada media tailing pasir pasca tambang timah untuk pertumbuhan bibit karet</i> . Jurnal Agrotropika 16 (1).		
	Nurjannah, H., <b>M.U. Harun</b> , E. Sodikin. 2021. <i>Germination of porang (amorphophalusmuelleri) from different bulbil to various planting media</i> . BIOVALENTIA: Biological Research Journal 7 (2), 89-96.		
	Sopiana,R., R.A. Suwignyo, <b>M.U. Harun</b> . 2022. <i>Germination of dormantonion bulbs in different growing media</i> . IOP Conference Series: Earth and Environmental Science 1005 (1), 012008.		
	Susilawati, M.Ammar, <b>M.U. Harun</b> , M.Syukur. 2022. <i>Growth and Yield of Several Red Chilli (Capsicum annum L.) Peat-Strains on PeatSoil</i> . IOP Conference Series: Earth and Environmental Science 995 (1), 012049.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Head of organization at South Sumatra	2017-2022
	Organic Farming Indonesian (MAPORINA)	Head of organic certification at South Sumatra	2021-2024

Name	<b>Dr. Ir. Yakup, M.S.</b>		
Post	Teaching Area	Plant Ecology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Plant Ecology)	University of Padjajaran	2001-2007
	Master Program (Plant Ecology)	University of Padjajaran	1990-1993
	Undergraduate Degree (Agronomy)	University of Sebelas Maret	1981-1985
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1987-now
Research and development projects over the last 5 years	<p>Name of project or research focus:</p> <ol style="list-style-type: none"> <li>The Use of Complete Organic Fertilizers to Supports the Cultivation of Organic Hydroponic Plants (Bioponics) (2021).</li> <li>Knowledge Management in the Use of Local Resources for the Growth of Sorghum on Tidal Soils to Maintain Food security in South Sumatra (2021).</li> <li>Response of Several Oil Palm Seed Varieties in Germination Phase to Application of Mycorrhizal Biofertilizer in Early Nurseries (2020).</li> </ol>		
Industry collaborations over the last 5 years	<p>Name of collaboration:</p> <ol style="list-style-type: none"> <li>Environmental Impact Analysis Study of the Palm Oil Processing Factory and other Facilities of PT Gelumbang Agro Sentosa in Gelumbang District, Muara Enim Regency (2020).</li> <li>Environmental Impact Analysis Study of the Construction of a Special Coal Terminal and Its Supporting Facilities of PT Cakra Trasindo Utama in Muara Belida District, Muara Enim Regency (2020).</li> <li>Addendum Study to Environmental Impact Analysis Development of Oil Palm Plantation and Processing Factory and Other Supporting Facilities PT Mitra Aneka Rezeki in Pulau Rimau, Suak Tapeh, Tanjung Lago, and Talang Kelapa Districts, Banyuasin Regency (2019).</li> <li>Addendum Study to Environmental Impact Analysis of PT Prima Lazuardi Nusantara's Coal Mining in Baturaja Barat and Baturaja Timur Districts, Ogan Komering Ulu Regency (2019).</li> </ol>		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 7 publications (2017-2022)		
	Muhakka, R.A.Suwignyo, D. Budiant, <b>Yakup</b> . 2020. Nutritional Values of Swamp Grasses as Feed for Pampangan Buffaloes in South Sumatera, Indonesia. Biodiversitas, 21 (3) : 953 – 961. <a href="https://smujo.id/biodiv/article/view/4672">https://smujo.id/biodiv/article/view/4672</a> .		
	Inonu, I., Budianta, D., Harun, M.U., <b>Yakup</b> , Wiralaga, A.Y.A. 2020. Ameliorasi bahan organik pada media tailing pasir pasca tambang timah untuk pertumbuhan bibit karet. Jurnal Agrotropika, 16(1). <a href="http://dx.doi.org/10.23960/ja.v16i1.4265">http://dx.doi.org/10.23960/ja.v16i1.4265</a> .		
	Muhakka, R.A.Suwignyo, D. Budianta, <b>Yakup</b> . 2019. Vegetation Analysis of Non-Tidal Swampland in South Sumatera, Indonesia and Its Carrying Capacity for Pampangan Buffalo Pasture. Biodiversitas, 20 (4) : 1077 – 1086. <a href="http://biodiversitas.mipa.uns.ac.id/D/D2004/D200420.pdf">http://biodiversitas.mipa.uns.ac.id/D/D2004/D200420.pdf</a>		
	Andesta, Munandar and <b>Yakup</b> . 2019. Effect of Leaf Fertilizer on Second Treatment to Three Genotypes Corn Efficient Crops in Tidal Land. Biovalentia, 5 (2) : 10 – 13. <a href="https://jme.unsri.ac.id/biov/article/view/63">https://jme.unsri.ac.id/biov/article/view/63</a>		
	Irianto, I., <b>Yakup</b> , Y., Harun, M.U., and Susilawati. 2017. Growth and yield characteristics of three shallot varieties affected by phosphate fertilizer dosages on Ultisol. RJOAS, 65(5): 245-254. <a href="https://doi.org/10.18551/rjoas.2017-05.32">https://doi.org/10.18551/rjoas.2017-05.32</a>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2015 - Now
	Weed Science Society of Indonesia (HIGI)	Member	2018- Now

Name	<b>Dr. Ir. Zaidan Panji Negara, M. Sc.</b>		
Post	Teaching Area	Seed Science and Technology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Seed Technology)	Mississippi State Univ. USA	1990-1993
	Master Program (Seed Technology)	Mississippi State Univ. USA	1988-1989
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1979-1984
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1986-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Production of <i>Alternanthera sissoo</i> using natural organic fertilizer and planted under different sunlight intensity (2022).		
Industry collaborations over the last 5 years	Name of collaboration: 1. -		
Patents and proprietary rights	Title		Year
	-		-
Important publications over the last 5 years	5 of 7 publications (2017-2022)		
	Nushanti, D.F., Lakitan, B., Hasmeda, M., Ferlinahayati, <b>Negara, Z.P.</b> , Susilawati, Budianta, D. 2022. Planting materials, shading effects, and non-destructive estimation of compound leaf area in Konjac ( <i>Amorphophallus Muellieri</i> ). <i>Trends in Sciences</i> , 19(9). <a href="https://doi.org/10.48048/tis.2022.3973">https://doi.org/10.48048/tis.2022.3973</a>		
	Jati, W. A., <b>Negara, Z.P.</b> , & Sulaiman, F. 2021. Seed quality of paddy variety ( <i>Oryza sativa</i> L.) resistant to vegetative phase drought stress. <i>Jurnal Lahan Suboptimal: Journal of Suboptimal Lands</i> , 10(1):122–139. <a href="https://doi.org/10.36706/JLSO.10.1.2021.538">https://doi.org/10.36706/JLSO.10.1.2021.538</a> .		
	Gustiar, F., Munandar, M., <b>Negara, Z.P.</b> , Efriandi, E. 2020. Pemanfaatan Limbah Serai Wangi Sebagai Pakan Ternak dan Pupuk Organik di Desa Payakabung, Kabupaten Ogan Ilir, Sumatera Selatan. <i>Abdihaz</i> , 2(1): 16-23 <a href="https://doi.org/10.32663/abdihaz.v2i1.1114">https://doi.org/10.32663/abdihaz.v2i1.1114</a>		
	Jaya, K.K., Lakitan, B., <b>Negara, Z.P.</b> 2019. Depth of water-substrate interface in floating culture and nutrient-enriched substrate effects on green apple eggplant, <i>AGRIVITA, Journal of Agriculture</i> , 41(2): 230-237. <a href="http://doi.org/10.17503/agrivita.v41i2.2235">http://doi.org/10.17503/agrivita.v41i2.2235</a> .		
	Rupiah, Hanum, L., <b>Negara, Z.P.</b> , Dahlan, Z., Yustian, I. 2018. Morphological diversity of <i>Lansium domesticum</i> Corr in South Sumatra. <i>Science &amp; Technology Indonesia</i> , 3(1): 41-44. <a href="https://doi.org/10.26554/sti.2018.3.1.41-44">https://doi.org/10.26554/sti.2018.3.1.41-44</a>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2000-now

Name	<b>Dr. Ir. Muhammad Ammar, M.P.</b>		
Post	Teaching Area	Horticulture, organic agriculture	
	Designation	Undergraduate Program	
Academic career	Doctorate (Agricultural Science)	Universitas Sriwijaya	2002-2009
	Master Program (Agronomy)	University of Andalas	1992-1996
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1979-1985
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 1987-2022
	Research and development projects over the last 5 years	Name of project or research focus: 1. The Effect of Aeration and Addition of Organic Fertilizer on Bio-filter System to Nutrient Mineralization in Vegetable Aeroponic Cultivation (2020). 2. Development of wetlands through floating cultivation of rice and vegetables (2021).	
Industry collaborations over the last 5 years	Name of collaboration: 1. -		
Patents and proprietary rights	Title		Year
	-		-
Important publications over the last 5 years	4 of 11 publications (2017-2022)		
	Susilawati, Irmawati, <b>Ammar, M.</b> , Harun, M.U., Syukur, M., Bastoni, Novitasari. 2022. Growth and Yield of Several Red Chilli ( <i>Capsicum Annuum</i> L.) Peat-Strains on Peat Soil. IOP Conf. Series: Earth and Environmental Science 995 (2022) 01 <a href="https://iopscience.iop.org/article/10.1088/1755-1315/995/1/012049">https://iopscience.iop.org/article/10.1088/1755-1315/995/1/012049</a>		
	Susilawati, Irmawati, Sukarmi, S., <b>Ammar, M.</b> , Kurnianingsih, A., Yusnita., Yayandra. 2021. Growth and yield of Shallot under several levels of soil water table. Russian journal of Agricultural and Socio-Economic Sciences, 114(6):199-206. <a href="http://doi.org/10.18551/rjoas.2021-06.23">http://doi.org/10.18551/rjoas.2021-06.23</a>		
	Gustiar, F., Munandar, Ningsih, S.W., <b>Ammar, M.</b> 2020. Biofortification of calcium on mustard ( <i>Brassica juncea</i> L.) and lettuce ( <i>Lactuca sativa</i> ) cultivated in floating hydroponic system. Buletin Agroteknologi, 1(1). <a href="https://doi.org/10.32663/ba.v1i1.1273">https://doi.org/10.32663/ba.v1i1.1273</a> .		
	Munandar, Toumae, V., <b>Ammar, M.</b> , Gustiar, F. 2019. Biofortification of Iodine Concentration in the Leaves of <i>Amaranthus</i> Sp and <i>Ipomea reptan</i> Poir Growing in Hydroponic Culture. Proceeding of National Seminar on Sub-optimal Land: Palembang, September 4-5, 2019		
	Susilawati, <b>Ammar, M.</b> , Priadi, D.P., Robiartini, L., Irmawati. 2017. The Correlation of Vegetative and Generative Characters of Duku ( <i>Lansium domesticum</i> Corr.) Accession in Banyuasin Regency, South Sumatra. RJOAS, 9(69), September 2017. <a href="https://doi.org/10.18551/rjoas.2017-09.34">https://doi.org/10.18551/rjoas.2017-09.34</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2000 - now

Name	<b>Dr. Ir. Andi Wijaya, M. Sc. Agr.</b>		
Post	Teaching Area	Plant breeding, plant biotechnology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Plant Breeding)	George August Univ. Germany	2001-2003
	Master Program (Plant Breeding)	George August Univ. Germany	1998-2001
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1985-1990
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1994-now
Research and development projects over the last 5 years	Name of project or research focus: 1.		
Industry collaborations over the last 5 years	Name of collaboration: 1.		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 14 publications (2017-2022)		
	Kartika., Sakagami, J-I., Lakitan, B., Yabuta, S., <b>Wijaya, A.</b> , Kadir, S., Widuri, L.I., Siaga, E., Nakao, Y. 2020. Morpho-Physiological Response of <i>Oryza glaberrima</i> to Gradual Soil Drying. <i>Rice Science</i> , 27(1): 67-74. <a href="https://doi.org/10.1016/j.rsci.2019.12.007">https://doi.org/10.1016/j.rsci.2019.12.007</a> .		
	Lakitan, B., Kartika., Susilawati., <b>Wijaya, A.</b> 2021. Acclimating leaf celery plant ( <i>Apium graveolens</i> ) via bottom wet culture for increasing its adaptability to tropical riparian wetland ecosystem. <i>Biodiversitas</i> 22: 320-328. <a href="https://doi.org/10.13057/biodiv/d220139">https://doi.org/10.13057/biodiv/d220139</a>		
	Widuri, L.I., Lakitan, B., Hasmeda, M., Sodikin, E., <b>Wijaya, A.</b> , Meihana, M., Kartika., Siaga, E. 2017. Relative leaf expansion rate and other leaf-related indicators for detection of drought stress in chili pepper ( <i>Capsicum annum</i> L.). <i>Australian Journal of Crop Science</i> , 11(12):1517-1625. <a href="https://10.21475/ajcs.17.11.12.pne800">https://10.21475/ajcs.17.11.12.pne800</a> .		
	Fitri, S.N., Bernas, S.T., Sodikin, E., <b>Wijaya, A.</b> , Apriadi, F. 2019. The Influence of Phosphate Fertilizer and Plant Growth Regulators on the Growth and Yield of Ratoon Rice ( <i>Oryza sativa</i> L.) Grown on Swampland. <i>Journal of Tropical Soil</i> , 23(2): 73-80. <a href="http://doi.org/10.5400/jts.2018.v23i2.73">http://doi.org/10.5400/jts.2018.v23i2.73</a>		
	Bernas, S.M., Fitriana, M., <b>Wijaya, A.</b> , Fitri, S.N.A. 2020. Effect of the seedling age and compost to the growth of Palm Date Lulu ( <i>Phoenix Dactylifera</i> L.) nursery and investigation of female seedling on soil of sub-optimal land. <i>Jurnal Lahan Suboptimal: Journal of Suboptimal Lands</i> , 9(2): 199-207. <a href="https://doi.org/10.33230/JLSO.9.2.2020.509">https://doi.org/10.33230/JLSO.9.2.2020.509</a>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

Name	<b>Dr. Ir. Marlina, M. Si.</b>		
Post	Teaching Area	Perennial Crop, Silviculture and Agroforestry.	
	Designation	Undergraduate Program	
Academic career	Doctorate (Perennial Crop)	Universitas Sriwijaya	2010-2016
	Master Program (Agronomy)	Universitas Sriwijaya	1996-1999
	Undergraduate Degree (Agronomy)	University of Padjajaran	1980-1984
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 1986 - now
Research and development projects over the last 5 years	Name of project or research focus: 1. <i>Eceng(Hyacinth) Compost for oil palm germinated seed growth on Pre Nursery (2019), funded by LPPM – Universitas Sriwijaya.</i> 2. <i>Porang plant as the alternative for multiple crop at Rubber Plantation (2021-now), self-funded.</i>		
Industry collaborations over the last 5 years	Name of collaboration: 1. <i>Roesli Taher Rubber Plantation</i>		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	3 of 3 publications (2017-2022)		
	<b>Marlina, Sodikin, E., Sulistyaningsih, L.N., Sukarmi, S., Sanjaya, R., Rahayu S.S., Dewi, I.R.. 2022. The Oil Palm Response on Hyacint Compost and Saccharum LOF on Pre Nursery. Media Pertanian 7(1):1-12.</b>		
	Achadi, T., Fitriana, M., <b>Marlina</b> , Gustiar, F. 2021. Growth and yield of leafy vegetables cultivated using hydroponics with nutrition liquid organic fertilizer from leftover fruits. Proceeding of National Seminar on Sub-optimal Land: Palembang, October 20, 2021.		
<b>Marlina, Hasmeda, M., Hayati, R., Priadi, D.P. 2017. Morphophysiology performances of oil palm on peat land, Jurnal Littri 23(2): 98-104.</b> <a href="http://doi.org/10.21082/littri.v23n2.2017.98-104">http://doi.org/10.21082/littri.v23n2.2017.98-104</a> .			
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2014-now
	Indonesian Association of Plant Breeding (PERIPI)	Member	2010-now

Name	<b>Ir. Teguh Achadi, M.P.</b>		
Post	Teaching Area	Weed Science	
	Designation	Undergraduate Program	
Academic career	Master Program (Weeds Science)	Gadjah Mada University	1991-1994
	Undergraduate Degree (Agronomy)	Gadjah Mada University	1979-1985
Employment	Position: Lecturer	Employer: Universitas 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"> <li>The growth and yield of beans with the application of liquid organic fertilizer from various fruit waste (2022), funded by Universitas Sriwijaya.</li> <li>The use of various inhibitory substances on the budding of the rhizome of Ganyong (<i>Canna edulis Ker</i>) (2019), funded by Universitas Sriwijaya.</li> <li>Study of the competition of angina rice weed (<i>Oriza rufipogon Griff</i>) with tidal lowland rice plants in an effort to obtain a basis for developing a management strategy (2019), funded by Universitas Sriwijaya.</li> </ol>		
Industry collaborations over the last 5 years	Name of collaboration: 1. -		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 5 publications (2017-2022)		
	<b>Achadi, T., Fitriana, M., Marlina, Gustiar, F.</b> 2021. Growth and yield of leafy vegetables cultivated using hydroponics with nutrition liquid organic fertilizer from leftover fruits. Proceeding of National Seminar on Sub-optimal Land: Palembang, October 20, 2021.		
	Lakitan, B., Ria, R.P., Putri, H.H., <b>Achadi, T.,</b> Herlinda, S. 2021. Responses of Taro Plant ( <i>Colocasia esculenta L. Schott</i> ) to cormel size as planting material, NPK application and aphid infestation. International Journal of Agricultural Technology, 17(4): 1395-1412.		
	Irmawati, Susilawati, Sukarmi, S., Ammar, M., <b>Achadi, T.,</b> Amri, A. 2021. Application of Liquid Organic Fertilizer on Shallot Planted on Cow Manure Mixture Media in Floating System. Proceeding of National Seminar on Sub-optimal Land: Palembang, October 20, 2021.		
	Silalahi, R.E., Munandar, <b>Achadi, T.,</b> Gustiar, F., Malahayati, N. 2020. Growth and Organoleptic Test of Green Mustard Biofortification Results of Calcium Cultivated Hydroponic. Proceeding of National Seminar on Sub-optimal Land: Palembang, October 20, 2020.		
	Sefrila, M., Kurnianingsih, A., <b>Achadi, T.</b> 2020. Interval Pemberian dan Jenis Pupuk Organik Cair Terhadap Pertumbuhan Vegetatif Bibit Kelapa Sawit ( <i>Elaeis guineensis Jacq.</i> ) di Pembibitan Utama pada Media Gambut. Majalah Ilmiah Sriwijaya 33(18): 42-49.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period

Name	<b>Dr. Irmawati, S.P, M.Sc., M.Si.</b>		
Post	Teaching Area	Plant Ecophysiology	
	Designation	Undergraduate Program	
Academic career	Doctorate (Crop Production and Ecology)	Graduate School of Bioresources, Mie University Japan	2012-2015
	Master Program (Crop Production and Ecology)	Double Master Degree of Integrated Food Production and Management Planning (DD-IFMP), Mie University Japan and Universitas Sriwijaya	2009-2011
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	2001-2006
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 2017-now
Research and development projects over the last 5 years	Name of project or research focus: 1. The potency of tissue culture propagation for horticultural plants (2022). 2. Growth and yield of shallot on several planting media combination and dosages of liquid organic fertilizer in floating cultivation system (2021). 3. The evaluation of recovery phase of rice plants after submergence stress condition (2020).		
Industry collaborations over the last 5 years	Name of collaboration: 1. Peatland Restoration Agency (BRG) (2017) 2. Center for International Forestry Research (CIFOR) (2018-2022)		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 17 publications (2017-2022)		
	Suwignyo, R.A., <b>Irmawati, I.</b> , Hose, F., Aulia, S.L. 2021. Development of Rice Varieties Adaptive to Nontidal Swampland using MABC: Growth Characteristics of Parent Plant and F1 Result. IOP Conference Series: Earth and Environmental Science, 2021, 741(1), 012022.		
	Susilawati, <b>Irmawati</b> , Sukarmi, S., Ammar, M., Kurnianingsih, A., Yusnita, Yayandra. 2021. Growth and yiel of Shallot under several levels of soil water table. Russian journal of Agricultural and Socio-Economic Sciences, 114(6):199-206. <a href="http://doi.org/10.18551/rjoas.2021-06.23">http://doi.org/10.18551/rjoas.2021-06.23</a> .		
	<b>Irmawati</b> , Y. Syawal, L.N. Sulistyaningsih, Susilawati, Yakup, dan E. Ronaldo. 2020. The Evaluation on Recovery Phase of Post-Submerged Rice. Russian J. of Agr. & Soc. Eco. Sci. 12 (108) : 159-166.		
	<b>Irmawati</b> , I. Wibisono, E. Anggraini. 2020. Phosphorus Application in Seedling Stage on Growth and Yield of Rice under Submergence Stress Condition. J. Agro 7(2) : 112-123. <a href="https://doi.org/10.15575/6611">https://doi.org/10.15575/6611</a>		
	Pujiastuti, Y., <b>Irmawati</b> , Arsi, A., Sulistiyani, D.P. 2019. Effects of Bacillus thuringiensis-based bio-insecticides on the presence of Aphis gossypii and Coccinellid predators on intercropping cultivation. IOP Conference Series: Earth and Environmental, 2019, 347(1), 012056.		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Peat Society of Indonesia (HGI)	Member	2016 – now
	Indonesian Agronomy Association (PERAGI)	Member	2017 – now



Name	<b>Fitra Gustiar, S. P., M. Si.</b>		
Post	Teaching Area	Sustainable agriculture	
	Designation	Undergraduate Program	
Academic career	Master Program (Management of environment)	Universitas Sriwijaya	2012-2014
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	1999-2004
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 2018-now
Research and development projects over the last 5 years	Name of project or research focus : 1. Organic hydroponics 2. Annual leaf vegetable		
Industry collaborations over the last 5 years	Name of collaboration: 1. Science Techno Park South Sumatra research collaboration, on the use of science and technology 2. Directorate of planology, ministry of forestry research collaboration, use of forest areas for agricultural activities		
Patents and proprietary rights	Title		Year
	-		-
Important publications over the last 5 years	5 of 11 publications (2017-2022)		
	<b>Gustiar, F. et al.</b> 2022. Growth of Pakcoy ( <i>Brassica rapa</i> L.) Hydroponic System Using Nutrients of Catfish Cultivation waste. <i>J. Lahan Suboptimal</i> . 11(1): 86-93		
	Achadi, T., Fitriana, M., Marlina, <b>Gustiar, F.</b> 2021. Growth and yield of leafy vegetables cultivated using hydroponics with nutrition of liquid organic fertilizer from leftover fruits. <i>Proceeding of National Seminar on Sub-optimal Land: Palembang, October 20, 2021.</i>		
	<b>Gustiar, F., Munandar, Ningsih, S.W., Ammar, M.</b> 2020. Biofortification of calcium on mustard ( <i>Brassica juncea</i> L.) and lettuce ( <i>Lactuca sativa</i> ) cultivated in floating hydroponic system. <i>Buletin Agroteknologi</i> , 1(1). <a href="https://doi.org/10.32663/ba.v1i1.1273">https://doi.org/10.32663/ba.v1i1.1273</a> .		
	<b>Gustiar, F., Munandar, M., Negara, Z.P., Efriandi, E.</b> 2020. Pemanfaatan Limbah Serai Wangi Sebagai Pakan Ternak dan Pupuk Organik di Desa Payakabung, Kabupaten Ogan Ilir, Sumatera Selatan. <i>Abdihaz</i> , 2(1): 16-23 <a href="https://doi.org/10.32663/abdihaz.v2i1.1114">https://doi.org/10.32663/abdihaz.v2i1.1114</a>		
	Munandar, Toumae, V., Ammar, M., <b>Gustiar, F.</b> 2019. Biofortification of Iodine Concentration in the Leaves of <i>Amaranthus Sp</i> and <i>Ipomea reptan Poir</i> Growing in Hydroponic Culture. <i>Proceeding of National Seminar on Sub-optimal Land: Palembang, September 4-5, 2019</i>		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Association of Agricultural Meteorology (PERHIMPI)	Member	2019 - now
	Indonesian Agronomy Association (PERAGI)	Member	2018 - now

Name	<b>Astuti Kurnianingsih, S. P., M. Si.</b>		
Post	Teaching Area	Annual crops	
	Designation	Undergraduate Program	
Academic career	Master Program (Annual Crop)	IPB University	2001-2004
	Undergraduate Degree (Agronomy)	University of Palangkaraya	1996-2000
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 2008-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Growth characters of shallot on several compositions of planting media (2017). 2. The application of ameliorant and micronutrient fertilizer on the optimal cultivation of soybean in South Sumatra Peatland (2018). 3. Growth Response of Soybean Varieties to the Application of Fertilizer and Ameliorant in Acid Soil (2019).		
Industry collaborations over the last 5 years	Name of collaboration: 1. -		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	5 of 10 publications (2017-2022)		
	Susilawati., Irmawati., Sukarmi, S., Ammar, M., <b>Kurnianingsih, A.</b> , Yusnita., Yayandra. 2021. Growth and yield of Shallot under several levels of soil water table. <i>Russian journal of Agricultural and Socio-Economic Sciences</i> , 114(6):199-206. <a href="http://doi.org/10.18551/rjoas.2021-06.23">http://doi.org/10.18551/rjoas.2021-06.23</a> .		
	Surahman, H., Sulaksono, G., Sembiring, Z., <b>Kurnianingsih,A.</b> , Priadi, D.P., Asmono, D. 2020. Effect of plant growth regulator on the growth of zygotic embryos in three types of oil palm fruit ( <i>Elaeis guineensis</i> Jacq.) in tissue culture. <i>Journal of Suboptimal Lands</i> 9(2): 149-159. <a href="http://doi.org/10.33230/JLSO.9.2.2020.474">http://doi.org/10.33230/JLSO.9.2.2020.474</a>		
	Susilawati, Irmawati, Sukarmi, S., <b>Kurnianingsih, A.</b> , Mutia, A. 2019. Penggunaan biochar dan tinggi muka air pada umur satu bulan setelah tanam terhadap pertumbuhan dan hasil tanaman bawang merah. <i>Jurnal Lahan Suboptimal: Journal of Suboptimal Lands</i> , 8(2): 202-212. <a href="https://doi.org/10.33230/JLSO.8.2.2019.451">https://doi.org/10.33230/JLSO.8.2.2019.451</a>		
	<b>Kurnianingsih, A.</b> , Susilawati, & Sefrila, M. 2019. Karakter Pertumbuhan Tanaman Bawang Merah Pada Berbagai Komposisi Media Tanam. <i>Jurnal Hortikultura Indonesia</i> , 9(3), 167-173. <a href="https://doi.org/10.29244/jhi.9.3.167-173">https://doi.org/10.29244/jhi.9.3.167-173</a> .		
	Sefrila, M., Robiartini, L., <b>Kurnianingsih, A.</b> , Setiawan, I. 2019. Pertumbuhan Benih Kelapa Sawit ( <i>Elaeis guineensis</i> Jacq.) pada Media Tanam Kombinasi antara Gambut, Tanah Lapisan Atas dan Arang Sekam Padi di Pembibitan Awal. <i>Jurnal Littri</i> 25(1): 31-36 <a href="http://dx.doi.org/10.21082/littri.%20v25n1.2019">http://dx.doi.org/10.21082/littri.%20v25n1.2019</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2018 - now

Name	<b>Marlin Sefrila, S. P., M. Si.</b>		
Post	Teaching Area	Perennial crops	
	Designation	Undergraduate Program	
Academic career	Master Program (Perennial Crop)	Universitas Sriwijaya	2009-2012
	Undergraduate Degree (Agronomy)	Universitas Sriwijaya	2003-2008
Employment	Position: Lecturer	Employer: Universitas Sriwijaya	Period: 2015-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Isolation and identification of local fma in corn plant rhizosphere on peatland. 2. Trapping of local peatland fma on several host plants. 3. The growth of sugarcane and soybean with the application of fma originated from several host plants and saturating durations. 4. The growth of oil palm seeds on several planting media in the pre-nursery stage. 5. Growth characters of shallot on several compositions of planting media.		
Industry collaborations over the last 5 years	Name of collaboration: 1. -		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	4 of 4 publications (2017-2022)		
	<b>Sefrila, M.,</b> Ghulamahdi, M., Purwono, Melati, M., Mansur, I. 2021. Diversity and abundance of arbuscular fungi mycorrhizal (AMF) in rhizosphere <i>Zea mays</i> in tidal swamp. <i>Biodiversitas</i> , 22(11): 5071-5076 <a href="https://doi.org/10.13057/biodiv/d221144">https://doi.org/10.13057/biodiv/d221144</a>		
	<b>Sefrila, M.,</b> Kurnianingsih, A., Achadi, T. 2020. Interval Pemberian dan Jenis Pupuk Organik Cair Terhadap Pertumbuhan Vegetatif Bibit Kelapa Sawit ( <i>Elaeis guineensis</i> Jacq.) di Pembibitan Utama pada Media Gambut. <i>Majalah Ilmiah Sriwijaya</i> 33(18): 42-49.		
	<b>Sefrila, M.,</b> Robiartini, L., Kurnianingsih, A., Setiawan, I. 2019. Pertumbuhan Benih Kelapa Sawit ( <i>Elaeis guineensis</i> Jacq.) pada Media Tanam Kombinasi antara Gambut, Tanah Lapisan Atas dan Arang Sekam Padi di Pembibitan Awal. <i>Jurnal Littri</i> 25(1): 31-36 <a href="http://dx.doi.org/10.21082/littri.%20v25n1.2019">http://dx.doi.org/10.21082/littri.%20v25n1.2019</a> .		
	Kurnianingsih, A., Susilawati, & <b>Sefrila, M.</b> 2019. Karakter Pertumbuhan Tanaman Bawang Merah Pada Berbagai Komposisi Media Tanam. <i>Jurnal Hortikultura Indonesia</i> , 9(3), 167-173. <a href="https://doi.org/10.29244/jhi.9.3.167-173">https://doi.org/10.29244/jhi.9.3.167-173</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Agronomy Association (PERAGI)	Member	2018 - now

Name	<b>Dr. Fikri Adriansyah, S.Si.</b>		
Post	Teaching Area	Molecular Genetic and Plant Breeding	
	Designation	Undergraduate Program	
Academic career	Molecular Genetic and Plant Breeding	Universitas Sriwijaya	2018-2022
	Molecular Genetic and Plant Breeding	Universitas Sriwijaya	2012-2016
Employment	Position: Lecturer	Employer: University of Sriwijaya	Period: 2022-now
Research and development projects over the last 5 years	Name of project or research focus: 1. Rice Breeding		
Industry collaborations over the last 5 years	Name of collaboration: 1.		
Patents and proprietary rights	Title	Year	
	-	-	
Important publications over the last 5 years	3 of 3 publications (2018-2022)		
	<b>Adriansyah, F., Hasmeda, M., Suwignyo, R.A., Halimi, E.S., Fatimah., Wibisono, I., Sarimana, U.</b> 2022. Selection of Sub1 locus for submergence-tolerant introgression in a Backcrossing of South Sumatra rice based on SSR markers. <i>Sains Malaysiana</i> , 51(3): 695-706. <a href="http://doi.org/10.17576/jsm-2022-5103-05">http://doi.org/10.17576/jsm-2022-5103-05</a> .		
	<b>Adriansyah, F., Hasmeda, M., Suwignyo, R.A., Halimi, E.S., Sarimana, U.</b> 2021. Genetic diversity and relationship of South Sumatra local rice and its backcrossed lines based on the matK gene. <i>SABRAO Journal of Breeding and Genetics</i> , 53(3): 499-509.		
	<b>Adriansyah, F., Hasmeda, M., Suwignyo, R.A., Halimi, E.S., Sarimana, U.</b> 2021. Improvement of the submergence stress tolerance of local South Sumatran rice through the introgression of the Sub1 gene by using marker-assisted selection. <i>SABRAO Journal of Breeding and Genetics</i> , 53(4) 575-591. <a href="https://doi.org/10.54910/sabrao2021.53.4.3">https://doi.org/10.54910/sabrao2021.53.4.3</a> .		
Activities in specialist bodies over the last 5 years	Organisation	Role	Period
	Indonesian Association of Plant Breeding (PERIPI)	Member	2022 - now