

LECTURER PUBLICATIONS

No.	Years	Title	Writer	Publication Type	Journal Name	information	Link
1	2023	Study on physical properties of rangeland at some slope levels in Nagari Aie Dingin, District of Lembah Gumanti, Solok Regency	S Variastuti , Herviyanti and Yulnafatmawita	International Journal	IOP Conference Series: Earth and Environmental Science	Volume 1160 no 012030	https://iopscience.iop.org/article/10.1088/1755-1315/1160/1/012028
2	2023	Role of Coffee plantation in reducing erosion under coarse textured soil in wet tropical region	Yulnafatmawita, Lusi Maira, Gusmini, Edwin	International Journal	IOP Conference Series: Earth and Environmental Science	Volume 1160 no 012030	https://iopscience.iop.org/article/10.1088/1755-1315/1160/1/012030
3	2023	The Status and Stock of Soil Nutrients under Different Land Ownership Management of Rice Fields in Kuranji District Padang West Sumatra	Hermansah*, Yuni Sri Astuti, Irwan Darfis, L Maira, and O Emalinda	International Journal	IOP Conf. Series: Earth and Environmental Science	Volume 1160 no 012031	https://iopscience.iop.org/article/10.1088/1755-1315/1228/1/012023
4	2023	Index of contamination/pollution factor, geo-accumulation and ecological risk in ex-gold mining soil contaminated with mercury	Amsar Maulana, Mimien Harianti, Teguh Budi Prasetyo, Herviyanti	International Journal	Journal of Degraded and Mining Lands Management	Vol 04, no 10	https://jdmmlm.ub.ac.id/index.php/jdmmlm/article/view/2751/pdf
5	2023	Residual effects of Ex-gold mining land remediation in the second planting season	Gusmini; Hermansah Hermansah; Adrialn ; Panji Romadhan; Aldo Aditya	International Journal	AIP Conference Proceedings	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120003/2889199/Residual-effects-of-Ex-gold-mining-land
6	2023	Correlation of β -glucosidase activity and soil physicochemical properties in monoculture and agroforestry land in Talang Mount, Solok	Mimien Harianti; Junaidi Junaidi; Oktanis Emalinda; Herviyanti Herviyanti; Syafrimen Yasin; Zuldadan Naspendra	International Journal	AIP Conference Proceedings	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120004/2889250/Correlation-of-glucosidase-activity-and-soil
7	2023	Study of surface charge and chemical properties of ex-gold mining soil ameliorated with Indonesian sub-bituminous coal	T B Prasetyo, A Maulana, M Harianti1, A L Lita3and H Herviyanti	International Journal	IOP Conference Series: Earth and Environmental Science	Volume 1160	https://iopscience.iop.org/article/10.1088/1755-1315/1160/1/012032/meta
8	2023	Application of local resource-based amelioration technology on the chemical properties of Inceptisols in monoculture and polyculture cultivation systems	Herviyanti, A Maulana, T Habazar, M Noer, R P Lita, C W Refdi6, A N M Fathi and M Monikasari	International Journal	IOP Conference Series: Earth and Environmental Science	Volume 1160	https://iopscience.iop.org/article/10.1088/1755-1315/1160/1/012025/meta
9	2023	Chemical characteristics of secondary forest and mixed garden soils on inceptisols with the addition of rice husk biochar	Herviyanti Herviyanti; Teguh Budi Prasetyo; Mimien Harianti; Amsar Maulana; Arestha Leo Lita; Ridho Ryswaldi	International Journal	AIP Conference Proceedings	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120006/2889251/Chemical-characteristics-of-secondary-forest-and
10	2023	Mercury (Hg) status and its mobility in gold mine soil in Dharmasraya, Indonesia	Sandra Prima; Zuldadan Naspendra; Amsar Maulana; Teguh Budi Prasetyo; Mimien Harianti; Kintan Febriana; Herviyanti	International Journal	AIP Conference Proceedings	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120005/2889200/Mercury-Hg-status-and-its-mobility-in-gold-mine
11	2023	The effect of pyrolysis methods and particle size on biochar characteristics of Surian (Toona ciliata) as ameliorant	Irwan Darfis; Amsar Maulana; An Nisa Mutiara Fathi; Dewi Rezki; Junaidi Junaidi; Herviyanti	International Journal	Internasional Conference of Bio Based Economy for Application and Economy	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120002/2889249/The-effect-of-pyrolysis-methods-and-particle-size

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12	2023	Application of biochar from young coconut waste to inactivation of Hg contaminated ex-gold mining soil and corn (Zea mays L.) vegetative growth	Amsar Maulana; Vellyandri Sukma; Zuldadan Napendra; Mimien Harianti; Teguh Budi Prasetyo; Herviyanti Herviyanti	International Journal	Internasional Conference of Bio Based Economy for Application and Economy	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120007/2889201/Application-of-biochar-from-young-coconut-waste-to
13	2023	Role of biochar on improvement of physical characteristics of re-vegetated ex coal mined soil and production of black corn (Zea mays L. var. Black Aztek)	Yulnafatmawita, Tika Putri, Hermansah and Z.A. Haris	International Journal	IOP Conference Series: Earth and Environmental Science	Volume 1160 no 012031	https://iopscience.iop.org/article/10.1088/1755-1315/1228/1/012026
14	2023	EFFECT OF PLASTIC MULCHING AND PESTICIDE APPLICATION ON ACTIVE AND STABLE CARBON IN VOLCANIC SOILS, WEST SUMATRA	Maulana I. Kamil*, Annisa Rachim, Irwin M. Umami, Khairun N. Kamarudin, Hermansah	International Journal	journal of agricultural sciences	Vol 25 no 1	https://ejournal.unib.ac.id/JIPI/article/view/28170
15	2023	The Growth And Yield Of Sweet Corn With Dolomite Application On Ultisol In Limau Manis	Nguyen Thi Hong Tho*, Agustian, and Hermansah	International Journal	International Journal of Progressive Sciences and Technologies (IJPSAT)	Vol. 38 No. 1	https://drive.google.com/drive/folders/1SoJQvysURhXKJ0oGM0-lyj8AwciiO_Py?hl=id
16	2023	The status and stocks of soil nutrients under different microhabitats of medicinal crops in West Sumatra	Hermansah Hermansah; Nurainas Nurainas; Lusi Maira; Suryani Suryani; Lukman Nul Hakim; Panji Romadhan	International Journal	AIP Conference Proceedings	Volume 2730, Issue 1	https://pubs.aip.org/aip/acp/article-abstract/2730/1/120001/2889248/The-status-and-stocks-of-soil-nutrients-under?redirectedFrom=fulltext
17	2023	Investigating the Effect of Using Glyphosate on Microbial Soil in Sweet Corn Cultivation.	Nguyen Thi Hong Tho, Agustian, Hermansah	International Journal	Asian Journal of Applied Research for Community Development and Empowerment.	Vol 7 , No.2	https://drive.google.com/drive/folders/1SoJQvysURhXKJ0oGM0-lyj8AwciiO_Py?hl=id
18	2022	Aktivitas β -Glukosidase pada Beberapa Kelas Penggunaan Lahan Gambut Tropis di Pesisir Selatan, Sumatera Barat.	Nurul Hijri, Mimien Harianti, Zuldadan Naspendra, Teguh Budi Prasetyo	National Journal	Journal Solum	Vol. XIX No. 1	http://jurnalsolum.faperta.unand.ac.id/index.php/solum/article/view/228
19	2022	Strategi Peningkatan Daya Saing Pengembangan Agribisnis Kopi di Sumatera Barat. Jurnal Riset Perkebunan	Rahmi Awalina, Ayendra Asmuti, Zuldadan Naspendra, Syaifuddin Islami	National Journal	Journal of Plantation Research	VOL. 3 NO. 1	http://jrp.faperta.unand.ac.id/index.php/jrp/article/view/32
20	2022	The Changes of Peat Chemical Characteristics which is Converted from Oil Palm to Corn Plantation Areas In Kinali, West Pasaman Regency, West Sumatra	Mimien Harianti, Teguh Budi Prasetyo, Junaidi, Zuldadan Naspendra, Dewi Syahputri Batara	International Journal	Andalasian International Journal of Applied Science, Engineering and Technology	VOL. 2 NO. 2	https://aijaset.lppm.unand.ac.id/index.php/aijaset/article/view/34
21	2022	Response Analysis of Rice Products on Various Conditions of Water Availability for Development of Optimal Water Sawing Irrigation	Delvi Yanti, I Berd, Zuldadan Naspendra	National Journal	IOP Conference Series: Earth and Environmental Science	Volume 1059	https://iopscience.iop.org/article/10.1088/1755-1315/1059/1/012035
22	2022	Laccase activity as an indicator of peat degrading microbes in several types of peatlands use in West Sumatra, Indonesia	Nurul Hijri, Zuldadan Naspendra, Mimien Harianti, Teguh Budi Prasetyo	National Journal	Journal of Organic Agriculture	Vol. 9 No. 1	https://talenta.usu.ac.id/jpt/article/view/8636

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23	2022	The Effect of Planting Distance and Number of Seeds per Planting Hole on The Growth and Production of True Shallot Seed in West Sumatra.	Atman1 Irfan Suliansyah, Aswaldi Anwar, Syafrimen Yasin	National Journal	Journal of Agroteknolog	VOL 4 NO 1	http://jagur.faperta.unand.ac.id/index.php/jagur/article/view/45
24	2022	The effect of application method and dosage of manure on growth and yield of true shallot seed in west sumatera.	Atman, Irfan Suliansyah, Aswaldi Anwar, Syafrimen Yasin	National Journal	Journal of Applied Agricultural Science and Technology	Vol. 6 No. 1	https://www.jaast.org/index.php/jaast/article/view/42
25	2022	Characteristics Biochar from Young Coconut Waste based on Particle Size as Ameliorant	Lita, A.L., Maulana, A., Yulnafatmawita, Ryswaldi, R. Herviyanti	National Journal	IOP Conference Series: Earth and Environmental Science	Volume 959	https://iopscience.iop.org/article/10.1088/1755-1315/959/1/012034/meta
26	2022	Effect of Pyrolysis Methods on Characteristics of Biochar from Young Coconut Waste as Ameliorant	Maulana, A., Herviyanti, Prasetyo, T.B., Harianti, M., Lita, A.L.	National Journal	IOP Conference Series: Earth and Environmental Science	Volume 959	https://iopscience.iop.org/article/10.1088/1755-1315/959/1/012035
27	2022	Characteristics of biochar methods from bamboo as ameliorant	Herviyanti, Maulana, A., Lita, A.L., Prasetyo, T.B., Ryswaldi, R.	National Journal	IOP Conference Series: Earth and Environmental Science	Volume 959	https://iopscience.iop.org/article/10.1088/1755-1315/959/1/012036/meta
28	2022	The effects of Forest conversion to oil palm plantation on soil quality in the Kaos sub-watershed, Indonesia	Syahrul Ramadhan, Hermansah, Bujang Rusman, Syafrimen	National Journal	SoilScience Annual		https://www.soilsa.com/The-effects-of-forest-conversion-to-oil-palm-plantation-on-soil-quality-in-the-Kaos.156574.0.2.html
29	2022	Correlation Of Soil Acidity Degree And Mercury Content Of Ex-Gold Mine Land Through Application Of Organic Material.	Panji romadhan, Gusmini, dan Hemansah	National Journal	Agroscience	vol 12 no 1	https://jurnal.unsur.ac.id/agroscience/article/download/2151/1672
30	2022	Improvement of The Chemical Properties of the Ex-Gold Mining Land Through the Application of Organic Fertilizer Granular Biokanat.	Panji Romadhan, Gusmini, Hermansah	National Journal	Journal of Agricultural Sciences	vol 4 no 1	http://jrp.faperta.unand.ac.id/index.php/jrp/article/view/59
31	2022	Soil Renewal and Metal ions pollutants removal in water by using volcanic ash from Mt Sinabung and Mt. Merapi eruptions. Jurnal Ilmiah Pertanian	Raudhatu Shofiah, Dian Fiantis, Amrizal Saidi, Roslan Ismail	National Journal	Agricultural Scientific Journal		https://journal.unilak.ac.id/index.php/jip/article/view/9655
32	2022	Sustaining the productivity and ecosystem services of soils in Indonesia	Dian Fiantis , Rudiyanto , Frisa Irawan Ginting , Sri Rahayu Utami , Sukarman d,Markus Anda , Sang Ho Jeon , Budiman Minasny	National Journal	Geodermal Regional		https://www.researchgate.net/publication/361767045_Sustaining_the_productivity_and_ecosystem_services_of_soils_in_Indonesia
33	2022	SPATIAL ANALYSIS OF MATERIAL DISTRIBUTION AND CHEMICAL PROPERTIES OF VOLCANIC ASH RESULTING FROM THE ERUPTION OF MOUNT SINABUNG IN 2019	Saftia Laila Rajmi, Gusnidar, dan Dian Fiantis	National Journal	Journal of Agricultural Sciences	vol 24 no 1	https://ejournal.unib.ac.id/JIPI/article/view/22010
34	2022	Carbon Dioxide (CO2) gas emission based on land use types of peatland in Kinali, West Pasaman Regency	Syahputri, S.D., Hermansah, and Yulnafatmawita	Reputable international journal	IOP Conference Series: Earth and Environmental Science	1025	https://iopscience.iop.org/article/10.1088/1755-1315/1016/1/012042/meta
35	2022	Degree of peatland maturity over different types of land use in Kinali, West Sumatra Indonesia	Yulnafatmawita, Septia D Syahputri and Hermansah	Reputable international journal	IOP Conference Series: Earth and Environmental Science	1025	https://iopscience.iop.org/article/10.1088/1755-1315/1025/1/012013/meta

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36	2022	Effect of Land Use Change on Soil Physico-Chemical Characteristics in Sungai Batang, East Part of Maninjau Caldera	Yulnafatmawita, Refdinal, Armansyah, Zainal Abdul Haris	National Journal	Tropical Soil	27/2	https://journal.unila.ac.id/index.php/tropicalsoil/article/view/473
37	2021	Geochemical and mineralogical composition of the 2018 volcanic deposits of Mt. Anak Krakatau	Dian Fiantis, Frisa Irawan Ginting, Farid Halfero, Adi Praja Saputra, Malik Nelson, Eric Van Ranst, Budiman Minasny	Reputable international journal	Geoderma Regional	25/e00393	https://www.sciencedirect.com/science/article/pii/S2352009421000389
38	2021	Applying volcanic ash to croplands–The untapped natural solution	Budiman Minasny, Dian Fiantis, Kurniatun Hairiah, Meine Van Noordwijk	Reputable international journal	Soil Security	3/100006	https://www.sciencedirect.com/science/article/pii/S2667006221000034
39	2021	Improving Volcanic Soil Chemistry After the Eruption of Mt. Sinabung, North Sumatera in 2020	SL Rajmi, G Gusnidar, RL Lubis, FI Ginting, FR Hidayat, H Zulhakim, AN Armer, N Yulanda, IF Syukri, D Fiantis	Reputable international journal	IOP Conference Series: Earth and Environmental Science	757/1/012042	https://iopscience.iop.org/article/10.1088/1755-1315/757/1/012042/meta
40	2021	Chemical Properties of Volcanic Soil After 10 Years of the Eruption of Mt. Sinabung (North Sumatera, Indonesia)	RL Lubis, SL Rajmi, AN Armer, FR Hidayat, H Zulhakim, N Yulanda, IF Syukri, D Fiantis	Reputable international journal	IOP Conference Series: Earth and Environmental Science	757/1/012043	https://iopscience.iop.org/article/10.1088/1755-1315/757/1/012043/meta
42	2021	Utilization of volcanic ashes for geopolymer based on alkaline activator and solid-liquid ratio	DJ Ilham, U Anggarini, J Juniarti, D Fiantis	Reputable international journal	IOP Conference Series: Earth and Environmental Science	708/1/012058	https://iopscience.iop.org/article/10.1088/1755-1315/708/1/012058/meta
43	2021	Changes in Anak Krakatau landscape after December 2018 eruption	FI Ginting, M Nelson, B Minasny, D Fiantis	Reputable international journal	IOP Conference Series: Earth and Environmental Science	708/1/012088	https://iopscience.iop.org/article/10.1088/1755-1315/708/1/012088/meta
44	2021	Properties and reclassification of volcanic soil in Sungai Kamuyang village, West Sumatra	DP Sari, A Rasyidin, A Saidi	Reputable international journal	IOP Conference Series: Earth and Environmental Science	759/1/012019	https://iopscience.iop.org/article/10.1088/1755-1315/759/1/012019/meta
45	2021	Erosion hazard index [EHI] on different land use in sub-watershed Kaos, Jambi	S Ramadhan, B Rusman, S Yasin	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/1/012035	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012035/meta
46	2021	Interrelations of rainfall and morphometric characteristics in generating geological disasters of Kuranji watershed Padang city	THA Putra, B Istijono, B Rusman, A Hakam, T Ophiyandri	Reputable international journal	IOP Conference Series: Earth and Environmental Science	708/1/012063	https://iopscience.iop.org/article/10.1088/1755-1315/708/1/012063/meta

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47	2021	The improvement of paddy soil chemical properties following the application of rice husk derived biochar in the Regency of Sijunjung	Hermansah, Nofrita Sandi, Zuldadan naspendra	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/1/0122029	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012029/meta
48	2021	The Effects of Biochar and Manure on Some Soil Characteristics and Growth of Garlic [<i>Allium Sativum</i> L.] on Ultisols	Yulnafatmawita Z Zakir, Refdinal and E Farda	Reputable international journal	IOP Conference Series: Earth and Environmental	741/012033	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012033
50	2021	Effect of Application of Low Doses of Areca Nut Peel Waste Biochar on the Chemical Properties of Inceptisol	Maidia Solfianti, Herviyanti Herviyanti, Teguh Budi Prasetyo, Amsar Maulana	Accredited national journal	Agrikultura	32/1	http://jurnal.unpad.ac.id/agrikultura/article/view/32602
51	2021	The soils physicochemical properties of monoculture land in several slopes at Northern Areas of Mount Talang	M Harianti, J Junaidi, O Emalinda, H Herviyanti, A Azizah, HB Pulunggono	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/1/012027	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012027/meta
52	2021	Activation of sub-bituminous coal with dolomite to improve chemical properties and palm oil growth on ultisols	H Herviyanti, A Maulana, TB Prasetyo, I Darfis, L Hakim, R Ryswaldi	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/1/012032	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012032/meta
54	2021	Carbon sequestration from bamboo biochar on the productivity of ultisols and soybean [<i>Glycine max</i> L.] plants	A Maulana, S Prima, D Rezki, V Sukma, A Fitriani ² and Herviyanti ²	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/012025	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012025
55	2021	Potential of biochar bamboo and sub-bituminous coal as amendment of acid mineral soils for improving the growth of arabica coffee [<i>Coffea arabica</i> L.] seedlings	T B Prasetyo, Z Naspendra, A Maulana, M Solfianti, S D Krisna and Herviyanti	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/012026	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012026
57	2021	Utilization of Arbuskular Mikoriza Fungi [AMF] for growth and ready to release of three genotype gaharu [<i>Aquilaria</i> spp.]	B Satria ¹ , M Fadli ¹ , N Herawati ¹ and Aprisal ²	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/012049	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012049
58	2021	Phytoremediation Agents of Rice Biochar and Cage Fertilizer in Ex-Gold Mining and The Sunflower Growth	G Gusmini, A Adrinal, EL Putri, R Panji, FE Husna	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/1/0112034	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012034/meta
60	2021	Performance of Some Soil Physical Properties of Arabica Coffee Plantation in Solok Regency	Adrinal, Gusmini, I. Darfis and Elsa L. Putri	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/012028	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012028
61	2021	Improvement of nutrient status in ex-gold mining land with the application of rice terra preta biochar technology	Gusmini ^{1,3} , Adrinal ^{1,3} , Yaherwandi ² , E L Putri ³ and R Panji ¹	Reputable international journal	IOP Conference Series: Earth and Environmental Science	741/012031	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012031

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62	2021	Organic Matter Sequestration Under Coffee Plantation Based on Slope and Crop Age in Sibarasok Maninjau, West Sumatra Indonesia	S Yasin, L Maira	Reputable international journal	IOP Conference Series: Earth and Environmental Science	757/1/012046	https://iopscience.iop.org/article/10.1088/1755-1315/757/1/012046/meta
63	2021	THE EFFECT OF APPLICATION OF RICE STRAW COMPOST + TITHONIA PRUNINGS AND RICE HUSB BIOCHAR ON THE ABSORPTION OF	Erick Yuhardi, G Gusnidar, Syafr	Accredited national journal	Journal of land and land resources	8/1/301-308	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/429
64	2021	Digital mapping and soil carbon stock distribution on various landuse of tropical peatland in Pesisir Selatan, West Sumatra	Z Naspendra, A Aprisal, N Hijri,	Reputable international journal	Series: Earth and Environ	741/1/012024	https://iopscience.iop.org/article/10.1088/1755-1315/741/1/012024
66	2021	FLUCTUATIONS OF PHOSPHORUS AND ACIDITY IN SOIL AGGREGATE IN A 36 YEAR OLD TEA PLANTATION IN GUNUNG TALANG DISTRICT,	Bori Heria Fadli*, Syafrimen Yasin, Yulnafatmawita	Accredited national journal	Vol 8 No 1: 215-219	32, No 1 (2021)	https://jtsl.ub.ac.id/index.php/jtsl/article/view/425
67	2021	Measurement of Soil Erosion Under Sugar Palm Plants (Arenga pinnata Merr) at Three Plant Age Levels in North Lintau Buo District, West Sumatra (Vol 32, No 1 (2021))	Via Permata Sari, Yulnafatmawita	Accredited national journal	Agrikultura journal	32, No 1 (2021)	http://journal.unpad.ac.id/agrikultura/article/view/32555
68	2020	Global soil science research collaboration in the 21st century: Time to end helicopter research	Budiman Minasny, Dian Fiantis, Budi Mulyanto, Yiyi Sulaeman, Wirastuti Widyatmanti	Reputable international journal	Geoderma	373/114299	https://www.sciencedirect.com/science/article/abs/pii/S0016706120305036
69	2020	The potential use of volcanic deposits for geopolymer materials	DJ Ilham, FR Kautsar, J Januarti, U Anggarini, D Fiantis	Reputable international journal	Series: Earth and Environ	297/1/012035	https://iopscience.iop.org/article/10.1088/1755-1315/497/1/012035/meta
71	2020	Application of geo-organo granule fertilizer derived from volcanic ash and tithonia on corn production at oxisols	G Gusnidar, D Fiantis, M Nelson, Y Yulnafatmawita, B Satrio, Y Jasmine	Reputable international journal	IOP Conference Series: Earth and Environmental Science	583/1/012004	https://iopscience.iop.org/article/10.1088/1755-1315/583/1/012004/meta
72	2020	Response to comments on "global soil science research collaboration in the 21st Century: Time to end helicopter research"	Budiman Minasny, Dian Fiantis, Budi Mulyanto, Yiyi Sulaeman, Wirastuti Widyatmanti	Reputable international journal	Geoderma	373/114303	https://doi.org/10.1016/j.geoderma.2020.114303
73	2020	Chemical and Geochemical Characterization of the Evolution of Soils of Krakatau Islands	Dian Fiantis, Frisa Ginting, Gusnidar Gusnidar, Malik Nelson, E VanRanst, Budiman Minasny	international journal	Authorea Preprints		https://www.authorea.com/doi/full/10.22541/au.158930923.31689885
74	2020	Reducing runoff and erosion to improve the strength of soil derived from pumice tuff in Patamuan, West Sumatra, Indonesia.	A Saidi, SLS Adrinal, D Fiantis	Reputable international journal	Malaysian Journal of Soil Science	25/11-31	https://www.cabdirec.org/cabdirec/abstract/20203599640
75	2020	Organic matter stock at suboptimal soils under forest and corn cultivation in wet tropical region	Y Yulnafatmawita, A Saidi, ZH Pratiwi, ZA Haris	Reputable international journal	IOP Conference Series: Earth and Environmental	583/1/012010	https://iopscience.iop.org/article/10.1088/1755-1315/583/1/012010/meta
76	2020	Study of Land Classification in Nagari Sungai Kamuyang, Luak District, Limapuluh Kota Regency	Dyah Puspita Sari, Azwar Rasyidin, Amrizal Saidi, J Juniarti	Accredited national journal	Journal of land and land resources	7/2/215/223	https://jtsl.ub.ac.id/index.php/jtsl/article/view/339
77	2020	Salacca Sumatrana Becc as an Erosion Retaining Plant in Catchment of Salak Plant Area at West Angkola North Sumatera Indonesia	YUSRIANI NASUTION, AZWAR RASYIDIN, YULNA FATMAWITA, AMRIZAL SAIDI	international journal	Proceeding International Conference Sustainable	2/01	http://jurnal.umsu.ac.id/index.php/ICoSAaNRM/article/view/4215

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78	2020	SCREENING OF INDIVIDUAL ARBUSCULAR MYCORRHYZ FUNGI ISOLATE BANANA RHIZOSPHERE AS AN INDUCER OF RESISTANCE OF CAVENDISH BANANA PLANT TO FUSARIUM	Eri Sulyanti, Trimurti Habazar, Eti Farda Husin, Nasril Nasir, Abdi Dharna	Accredited national journal	AGROTROPIKA JOURNAL	16/1	http://jurnal.fp.unila.ac.id/index.php/JAT/article/view/4261
79	2020	INTRODUCTION OF ARBUSCULAR MYCORRHIZAL FUNGI FORMULA FROM BANANA RHIZOSPHERE IN BANANA SEEDLINGS FOR CONTROL OF BACTERIAL BLOOD DISEASE (Ralstonia)	Yefriwati Yefriwati, Trimurti Habazar, Eti Farda Husin	Accredited national journal	AGROTROPIKA JOURNAL	16/1	http://jurnal.fp.unila.ac.id/index.php/JAT/article/view/4262
80	2020	Analysis of the Community's Willingness to Pay (WTP) for the Protection of Mangroves in Kuala Langsa, Aceh	Zuriana Siregar, Syamsuardi Syamsuardi, Azwar Rasyidin, Eni Kamal	international journal	International Journal of Agricultural Sciences	3/1/12-16	http://ijasc.pasca.unand.ac.id/index.php/ijac/article/view/40
82	2020	Land use and management effects on volcanic soils in West Sumatra, Indonesia	Susumu S.Abea, Kenta Ashida, Maulana I.Kamil, Keisuke Tobisaka, Khairun N.Kamarudin, Hermansah	Reputable international journal	Geoderma Regional	Volume 22, September 2020, e00308	https://www.sciencedirect.com/science/article/abs/pii/S2352009420300572
83	2020	Organic carbon sequestration at gambier (Uncaria gambier L.) cultivation in sloping area under wet tropical region	Yulnafatmawita, L. Maira, H.N.P. Dennico and ZA Haris	Reputable international journal	IOP Conference Series: Earth and Environmental	583/012009	https://iopscience.iop.org/article/10.1088/1755-1315/583/1/012009
84	2020	Increasing Community Understanding of the Importance of Watershed Maintenance in the Batang Arau Watershed Area	Jamilah Jamilah, Isril Berd, Herviyanti Herviyanti, Junaidi Junaidi, Nefilinda Nefilinda	Accredited national journal	Journal of Pengabdian kepada Masyarakat DEWANTARA	3/2/31-38	https://mail.ojs.unitas-pdg.ac.id/index.php/jpmd/article/view/611
85	2020	THE EFFECT OF VARIOUS TYPES OF LIME IN LIKING APPLICATIONS TO IMPROVE THE CHEMICAL PROPERTIES OF ULTISOL	Amsar Maulana, H Herviyanti, Teguh Budi Prasetyo	Accredited national journal	Journal of land and land resources	7/2/209-214	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/362
86	2020	Effect of biochar from young coconut waste to improve chemical properties of ultisols and growth coffee [Coffea arabica L.] plant seeds	H Herviyanti, A Maulana, S Prima, A Aprisal, SD Crisna, AL Lita	Reputable international journal	IOP Conference Series: Earth and Environmental	497/1/012038	https://iopscience.iop.org/article/10.1088/1755-1315/497/1/012038/meta
87	2020	SOIL AGGREGATE STABILITY INDEX IN TEA PLANTATIONS BASED ON SLOPE AND PLANT AGE IN GUNUNG TALANG DISTRICT, SOLOK DISTRICT	Dendy Detafiano Prakasa Afner, Aprisal Aprisal, Yulnafatmawita	Accredited national journal	Journal of land and land resources	8/1/75-81	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/413
88	2020	ORGANIC FERTILIZER PROCESSING TECHNOLOGY IN SUNGKAI PERMAI FARMERS' GROUP IN LAMBUNG BUKIK DISTRICT, PADANG CITY	Benni Satria, Syahyan Raesi, Afrima Sari, Armansyah Armansyah, Indra Dwipa, Aprisal Aprisal, Ferry Lismanto	Accredited national journal	Journal of Hilirisasi IPTEKS	3/3/277-289	http://hilirisasi.lppm.unand.ac.id/index.php/hilirisasi/article/view/438
89	2020	Phytoremediation of Former Gold Mining Land Using Various Types of Legumes to Improve the Physical Properties of Soil in Sijunjung Regency	Riza Syofiani, Gusmini Gusmini, Aprisal Aprisal	Accredited national journal	Journal of Agrium Unimal	17/2	https://ojs.unimal.ac.id/index.php/agrium/article/view/2855
90	2020	STUDY EFFECT OF LAND MANAGEMENT OF HORTICULTURAL ON SOIL ERODIBILITY AT THE UPSTREAM OF SUMANI WATERSHED	Aprisal, Bambang Istijono, Werry Darta Taifur and Indradwipa	Reputable international journal	ational Journal of GEO	18/67/175-181	https://www.geomatejournal.com/sites/default/files/articles/175-181-5543-Aprisal-March-2020-67.pdf
91	2020	Production of β -glucosidases by European Armillaria species	Botton B Idder-Ighili H, Agustian A, Idder MA, Guillaumin JJ, Wipf D	Reputable international journal	Forest Pathology	50/5/e12624	https://onlinelibrary.wiley.com/doi/abs/10.1111/efp.12624

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No.	Years	Title	Writer	Publication Type	Journal Name	information	Link
92	2020	RE-APPLICATION OF SELECTED AZOSPIRILLUM ON RED CHILLI PLANTS (<i>Capsicum annum</i> , L) PLANTED ON ULTISOL	Imra Atil Mardya, Gusmini Gusmini, Agustian Agustian	Accredited national journal	Solum	17/2/49-56	http://jurnalsolum.faperta.unand.ac.id/index.php/solum/article/view/205
94	2020	TRANSFORMATION OF RICE LAND CHARACTERISTICS ON EX-GOLD MINING LAND IN SIJUNJUNG DISTRICT, WEST SUMATRA	Elsa Lolita Putri, G Gusmini, A Adrinal, Y Yaherwandi	Accredited national journal	Journal of land and land resources	8/1/179-188	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/423
96	2020	Effectiveness of rice husk biochar in controlling heavy metals at polluted paddy soil	Y Yulnafatmawita, S Yasin, L Maira	Reputable international journal	IOP Conference Series: Earth and Environmental Science	583/1/012008	https://iopscience.iop.org/article/10.1088/1755-1315/583/1/012008/meta
97	2020	Organic carbon sequestration at different age of tea [<i>Camelia sinensis</i>] plantation under the wet tropical area]	Y Yulnafatmawita, S Yasin, ZA Haris	Reputable international journal	IOP Conference Series: Earth and Environmental Science	497/1/102037	https://iopscience.iop.org/article/10.1088/1755-1315/497/1/012037/meta
98	2020	Utilization of filter cake and synthetic fertilizer to improve the chemical properties of Ultisol and the growth of oil palm seedlings	Ika Ayu Putri Septyani, Syafrimen Yasin, Gusmini Gusmini	Accredited national journal	Journal of land and land resources	7/1/21-30	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/290
99	2020	THE EFFECT OF APPLICATION OF RICE STRAW COMPOST+ TITHONIA PRUNINGS AND RICE HUSK BIOCHAR ON THE ABSORPTION OF NITROGEN, PHOSPHORUS AND POTASSIUM AND RICE PRODUCTION OF THE SRI METHOD (SYSTEM OF RICE...	Erick Yuhardi, G Gusnidar, Syafrimen Yasin	Accredited national journal	Journal of land and land resources	8/1/301-308	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/429
101	2020	THE EFFECT OF APPLICATION OF RICE STRAW COMPOST+ TITHONIA PRUNINGS AND RICE HUSK BIOCHAR ON THE ABSORPTION OF NITROGEN, PHOSPHORUS AND POTASSIUM AND RICE PRODUCTION OF THE SRI METHOD (SYSTEM OF RICE...	Bori Heria Fadli, Syafrimen Yasin, Yulnafatmawita	Accredited national journal	Journal of land and land resources	8/1/215-219	https://jtsl.ub.ac.id/index.php/jtsl/article/view/425
102	2020	EFFECT OF APPLICATION OF COMPOST GRANULES WITH CLAY ADHESIVE ON THE CHEMICAL PROPERTIES OF REGOSOL	Ulfa Fadilla, G Gusnidar, Syafrimen Yasin	Accredited national journal	Journal of land and land resources	8/1/83-90	https://www.jtsl.ub.ac.id/index.php/jtsl/article/view/414
103	2020	THE EFFECT OF RICE STRAW PLUS TITHONIA AND BIOCHAR COMPOST ON THE CHEMICAL PROPERTIES OF RICE SOIL	Muhammad Lucky, Syafrimen Yasin, Gusnidar Gusnidar	Accredited national journal	Journal of AGROHITA: Jurnal Agroteknologi Fakultas Pertanian Universitas Muhammadiyah	5/2/118-128	http://jurnal.um-tapsel.ac.id/index.php/agrohita/article/view/2080
104	2020	APPLICATION OF COMPOST (TRAW+TITHONIA) AND BIOCHAR USING DIFFERENT COMBINATIONS IN AN EFFORT TO INCREASE THE CHEMICAL PROPERTIES OF SOIL IN RICE LANDS USING THE SRI (SYSTEM OF RICE INTENSIFICATION) METHOD IN PADANG CITY	Erick Yuhardi, Gusnidar Gusnidar, Syafrimen Yasin	Accredited national journal	Journal of AGROHITA: Jurnal Agroteknologi Fakultas Pertanian Universitas Muhammadiyah Tapanuli Selatan	5/2/109-117	http://jurnal.um-tapsel.ac.id/index.php/agrohita/article/view/2081

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No.	Years	Title	Writer	Publication Type	Journal Name	information	Link
106	2020	Impact of Gold Mining on Physical Properties of Inceptisols in Muaro Sijunjung, West Sumatra Indonesia	S Yasin, EF Kurnia, ZA Haris	Reputable international journal	IOP Conference Series: Earth and Environmental Science	515/1/012041	https://iopscience.iop.org/article/10.1088/1755-1315/515/1/012041
107	2020	Effect of application of rice straw and tithonia compost (KOJETO) on the chemical properties of Psament	J Juniarti Febria Fitri, G Gusnidar	Accredited national journal	Journal of land and land resources	7/UB/255-262	https://jtsl.ub.ac.id/index.php/jtsl/article/view/336
108	2020	Granulated Rice Straw and Titonia Compost Increases Shallot Production in Regosol Soil	Ulfa Faadilla, Gusnidar, Syafrimen yasin	Accredited national journal	Gontor AGROTECH Science Journal	6/3	http://dx.doi.org/10.21111/agrotech.v6i3
109	2020	THE RELATIONSHIP OF SOIL ORGANIC MATERIAL WITH SURFACE TEMPERATURE IN VARIOUS LAND USE IN NAGARI PADANG LAWEH SIJUNJUNG DISTRICT	Gunadi Gunadi, Juniarti Juniarti, Gusnidar Gusnidar	Accredited national journal	Jurnal AGROHITA: Jurnal Agroteknologi Fakultas Pertanian Universitas Muhammadiyah Tapanuli Selatan	5/2/168-181	http://jurnal.um-tapsel.ac.id/index.php/agrohita/article/view/168
110	2020	Organic Fertilizer Tithonia Plus and Micro Nutrients Improved Rice (<i>Oryza sativa</i> L.) Production in Koto Panjang, Padang City, West Sumatera, Indonesia and Koto Tinggi	Nalwida Rozen, Gusnidar, Nurhajati Hakim	Accredited national journal	Journal of Crop Science	7/1	http://www.j-tropical-crops.com/index.php/agro/article/view/100
111	2020	THE RELATIONSHIP OF SOIL CARBON STOCKS AND SURFACE TEMPERATURE IN SOME LAND USE IN NAGARI PADANG LAWEH SIJUNJUNG DISTRICT	Gunadi Gunadi, Juniarti Juniarti, Gusnidar Gusnidar	Accredited national journal	Solum Journal	17/1/1-11	http://jurnalsolum.faperta.unand.ac.id/index.php/solum/
112	2020	Land suitability evaluation of arabica coffee (<i>Coffea Arabica</i> L) plantation in Subdistrict Aie Dingin, Lembah Gumanti, Indonesia	E Hidayat, A Afriliana, G Gusmini, I Darfis, Y Rasyid and H Harada	Reputable international journal	IOP Conference Series: Earth and Environmental Science	583/012005	https://iopscience.iop.org/article/10.1088/1755-1315/583/1/012005
113	2020	SOIL ASSESSMENT QUALITY OF ARABICA COFFEE IN AIE DINGIN, LEMBAH GUMANTI FOR SUSTAINABLE AGRICULTURE	Endar Hidayat1*, Irwan Darfis2, Yuzirwan Rasyid2, Gusmini2 and Hiroyuki Harada1	Reputable international journal	International Journal of Agriculture, Environment and Bioresearch	Vol. 5, No. 06; 2020	https://ijaeb.org/link5.php?id=589
114	2020	Characteristics of land for development of sorghum (<i>sorghum bicholor</i> L.) As a supplement due to outbreak of Covid-19 on sub optimal land in Padang Laweh West Sumatera, Indonesia	Juniarti, Yusniwati, Gunadi, A Agustar	Reputable international journal	IOP Conference Series: Earth and Environmental Science	594/1-6	https://iopscience.iop.org/article/10.1088/1755-1315/594/1/012005
115	2020	ACID BASE PHOSPHATASE ENZYME ACTIVITY IN SEVERAL PATTERNS OF Shallot Planting on Two Long Slopes of Land	Sri Dewi Murni, Agustian Agustian, Mimien Harianti	Accredited national journal	Jurnal AGROHITA: Jurnal Agroteknologi Fakultas Pertanian Universitas Muhammadiyah Tapanuli Selatan	5/2/182-191	http://jurnal.um-tapsel.ac.id/index.php/agrohita/article/view/182

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No.	Years	Title	Writer	Publication Type	Journal Name	information	Link
116	2020	Effect of Plastic Mulch and Pesticide Application on Chemical Properties of Andisol	Maulana Insanul Kamil, Dina Ok	Accredited national journal	Gontor Agrotech Science Journal	Vol 6/3	https://ejournal.unida.gontor.ac.id/index.php/agrotech/a
117	2020	THE EFFECT OF MIXING OF THE TREATMENT LAYER AND THE PLOW TREAD LAYER ON THE CHEMICAL PROPERTIES OF THE POWDER SOIL	Rafdea Syafitri, Hermansah, Yul	Accredited national journal	Journal of land and land resources	7 No 2 : 359-	https://jtsl.ub.ac.id/index.php/jtsl/article/view/369
118	2019	Volcanic Ash, Insecurity for the People but Securing Fertile Soil for the Future	Dian Fiantis, Frisa Irawan Ginting, M Nelson, Budiman Minasny	Reputable international journal	Sustainability	11/11/3072	https://www.mdpi.com/2071-1050/11/11/3072
119	2019	Soil Layers Properties of a Profile Developed on the Past Depositional Series on Merbabu Volcano Central Java Indonesia	Mohammad Nurcholis, Susila Herlambang, Sri Aminah Suwartikaningsih, Dian Fiantis, Dwi Fitri Yudiantoro	Accredited national journal	Journal of Tropical Soils	24/2/53-63	http://journal.unila.ac.id/index.php/tropicalsoil/article/view/373
120	2019	Impact of Cover Crops on Reducing the Potential Erosion in Agricultural Land	Setia Loannisa, Amrizal Saidi, Dian Fiantis	international journal	International Journal of Progressive Sciences and Technologies	12/2/152-161	http://ijpsat.es/index.php/ijpsat/article/view/694
122	2019	Effect of the conservation plants on runoff, soil erosion, and root characteristics in the volcanic areas	Amrizal Saidi dan Adrinal	Reputable international journal	IOP Conference Series: Earth and Environmental	393/1/012065	https://iopscience.iop.org/article/10.1088/1755-1315/393/1/012065/meta
123	2019	Prediction of Surface Runoff and Erosion by Hydrological SWAT Model in Sumpur Watershed, West Sumatra	Amrizal Saidi, Iwan Ridwansyah	Reputable international journal	IOP Conference Series: Earth and Environmental	347/1/012112	https://iopscience.iop.org/article/10.1088/1755-1315/347/1/012112/meta
124	2019	Mitigation Disaster at Drainage Basin of Air Dingin Padang City	Utama Lusi, Amrizal Saidi, Isril Berd, Zuherna Mizwar	international journal	International Conference on Maritime and	388-391	https://www.atlantis-press.com/proceedings/icoma-18/125917277
125	2019	Changes in Soil Chemical and Physical Properties of Andisols under Oil Palm Small holder in the West Pasaman District of West Sumatra	Bujang Rusman	Reputable international journal	IOP Conference Series: Earth and Environmental	347/1/012040	https://iopscience.iop.org/article/10.1088/1755-1315/347/1/012040/meta
126	2019	Evaluation of Salacca Sumatrana as Soil Conservation Crop in South Tapanuli, North Sumatra , Indonesia	Amrizal Saidi Yusriani Nasution, Azwar Rasyidin, Yulnafatmawita	Reputable international journal	Biodiversitas	20/2/664-67-	https://smujo.id/biodiv/article/view/3561
127	2019	SPATIAL DISTRIBUTION AND FUNCTIONAL CHARACTERISTICS OF SOIL ARTHROPODS IN SUPER WET TROPICAL RAIN FOREST, INDONESIA	Fenky Marsandi, Hermansah, Agustian and Syafrimen Yasin	international journal	EM International	25/4/1607-1617	http://www.envirobiotechjournals.com/article_abstract.php?aid=10112&iid=287&jid=3
129	2019	Use of organic waste as an alternative organic fertilizer and synthetic fertilizer to ameliorate acid soil productivity	Ermadani, Hermansah, Yulnafatmawita, Auzar Syarif, Ismon Lenin	Reputable international journal	IJASEIT	9/3	http://insightsociety.org/ojaseit/index.php/ijaseit/article/view/4399
130	2019	Does Soil Fertility Decline under Smallholder Rubber Farming? The Case of a West Sumatran Lowland in Indonesia	Irwin M. UMAMI, Khairun N. KAMARUDIN, HERMANSAH, Susumu S. ABE	Reputable international journal	Japan Agricultural Research Quarterly: JARQ	Volume 53 (2019) Issue 4	https://www.jstage.jst.go.jp/article/jarq/53/4/53_279/_article-char/en

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132	2019	Role of compost derived from rice straw and tithonia in improving chemical fertility of Regosol on onion cultivation	Gusnidar Gusnidar, Febria Fitria, Lusi Maira, Yulnafatmawita	Reputable international journal	IOP Conference Series: Earth and Environmental Science	347/1/012095	https://iopscience.iop.org/article/10.1088/1755-1315/347/1/012095/meta
133	2019	Local wisdom of Aek Latong society for mitigation and adaptation of soil movement disaster in North Sumatra, Indonesia	Zainal A Haris, Agus Irianto, Heldi, Dedi Hermon and Yulnafatmawita	Reputable international journal	IOP Conference Series: Earth and Environmental Science	314/012047	https://iopscience.iop.org/article/10.1088/1755-1315/314/1/012047
135	2019	Improvement Chemical Properties of Oxisols and Rice Production with Humic Substances from Sub-bituminous Coal Indonesia	Herviyanti Herviyanti, Gusnidar Gusnidar, M Harianti, A Maulana	Reputable international journal	AGRIVITA, Journal of Agricultural Science	41/3/428-438	https://agrivita.ub.ac.id/index.php/agrivita/article/view/1106
136	2019	Transfer Teknologi Budidaya Tanaman Hias untuk Guru-Guru Biologi	PK Dewi Hayati, Warnita Warnita, Netti Herawati, Sutoyo Sutoyo, Martinius	Accredited national journal	Warta Pengabdian Andalas Journal	26/2/134-140	http://wartaandalas.lppm.unand.ac.id/index.php/jwa/article/view/412
137	2019	A STUDY OF THE QUALITY OF SOIL INFILTRATION AT THE DOWNSTREAM OF KURANJI RIVER, PADANG CITY	Aprisal, Bambang Istijono, Taufika Ophiyandri, Nurhamidah	Reputable international journal	International Journal of GEOMATE	16/56/16-20	http://scholar.google.com/scholar?cluster=10353990106928329211&hl=en&oi=scholar
138	2019	SOIL QUALITY INDEX ANALYSIS UNDER HORTICULTURAL FARMING IN SUMANI UPPER WATERSHED	Aprisal, Bambang Istijono, Juniarti, Mimin Harianti	Reputable international journal	INTERNATIONAL JOURNAL OF GEOMATE	16/56/191-196	http://scholar.google.com/scholar?cluster=14218952822196092714&hl=en&oi=scholar
139	2019	THE EFFECT OF FLOOD TO QUALITY INDEX OF SOIL PHYSICAL PROPERTIES AT THE DOWNSTREAM OF KURANJI RIVER WATERSHED, PADANG CITY	Aprisal, Bambang Istijono, Taufika Ophiyandri, Nurhamidah	Reputable international journal	INTERNATIONAL JOURNAL OF GEOMATE	16/54/74-80	http://scholar.google.com/scholar?cluster=10099079984831205143&hl=en&oi=scholar
140	2019	The Use of Various Types of Legum Cover Crop (LCC) in Absorbing Heavy Metals on Former Gold Mining Land in Sijunjung Regency	Riza Syofiani, Gusmini Gusmini, Aprisal Aprisal	Accredited national journal	Agrium Unimal Journal	17/1	http://ojs.unimal.ac.id/index.php/agrium/article/viewFile/1335/769
141	2019	THE STUDY OF SOIL WATER INFILTRATION UNDER HORTICULTURAL AT THE UPSTREAM OF SUMANI WATERSHED	Aprisal, Bambang Istijono, Juniarti and Mimin Harianti	Reputable international journal	INTERNATIONAL JOURNAL OF GEOMATE	17/62	https://www.geomatejournal.com/node/1565
142	2019	The Impact of Palm Oil Mill Wastewater on the Soil Properties of Paddy Fields	Aprisal, Werry Darta Taifur, Indra Dwipa, Teguh Haria Aditia Putra	Reputable international journal	International Journal on Advanced Science, Engineering	9/6	http://insightsociety.org/ojaseit/index.php/ijaseit/article/view/9749
143	2019	Management effects of ultisol on soil physical and chemical properties as well as maize growth in oil palm replanting area	Teguh Budi Prasetyo*, PK Dewi Hayati	Reputable international journal	ASIAN Journal of Agriculture and Biology	Vol 7/ Special Issue - 2019	https://www.asianjab.com/management-effects-of-ultisol-on-soil-physical-and-chemical-properties-as-well-as-maize-growth-in-oil-palm-replanting-area/
144	2019	CHANGES OF SOIL FAUNA DIVERSITY IN SEVERAL TYPES OF SUPER WET TROPICAL RAIN FOREST AREA	Marsandi Fenky, Hermansah Hermansah, Agustian Agustian, Yasin Syafrimen	Reputable international journal	International Journal of Research-Granthaala	7/7/39-47	https://www.granthaalayahpublication.org/journals/index.php/granthaalayah/article/view/IJRG19_A07_2440
145	2019	SOIL FAUNA FOOD WEB IN SEVERAL LAND USE TYPES OF SUPER WET TROPICAL RAIN FOREST AREA	Marsandi Fenky, Hermansah Hermansah, Agustian Agustian, Yasin Syafrimen	Reputable international journal	International Journal Research-Granthaalayah	7/5/327-340	https://www.granthaalayahpublication.org/journals/index.php/granthaalayah/article/view/IJRG19_A06_2338
146	2019	TITONIA AND COMPOSTED RICE STRAW ON SOIL CHEMICAL CHARACTERISTICS AND CORN PRODUCTION IN ULTISOL	Gusnidar Gusnidar, Annisa Fitri, Syafrimen Yasin	Accredited national journal	Solum Journal	16/1/11-18	http://jurnalsolum.faperta.unand.ac.id/index.php/solum/article/view/162
147	2019	Dissemination of Nuclear Science and Technology R&D Results in the Agricultural Sector in the West Sumatra Region	Irfan Suliansyah, Syafrimen Yasin, Munzir Busniah, My Syahrawati, Fitri Ekawati	Accredited national journal	Hilirisasi IPTEKS Journal	2/4.a/369-378	http://hilirisasi.lppm.unand.ac.id/index.php/hilirisasi/article/view/300

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148	2019	UTILIZATION OF SUGARCANE FILTER PRESS MUD AS ORGANIC FERTILIZER FOR IMPROVING CHEMICAL PROPERTIES OF ULTISOLS AND OIL PALM SEEDLINGS	Ika Ayu Putri Septyani, Syafrime	Reputable international journal	Tropical and Subtropical Agroecosystems	22/3	https://www.revista.ccba.uady.mx/ojs/index.php/TSA/article/view/2875
149	2019	CHANGES OF SOIL FAUNA DIVERSITY IN SEVERAL TYPES OF SUPER WET TROPICAL RAIN FOREST AREA	Fenky Marsandi, Syafrimen Yasi	Reputable international journal	International Journal of Research-GRANTHALAYAH	7/7/39-47	https://www.granthaalayahpublication.org/journals/index.php/granthaalayah/article/view/IJRG19_A07_2440
150	2019	SOIL FAUNA FOOD WEB IN SEVERAL LAND USE TYPES OF SUPER WET TROPICAL RAIN FOREST AREA	Fenky Marsandi, Syafrimen Yasi	Reputable international journal	International Journal of Research-GRANTHALAYAH	7/5/237-340	https://www.granthaalayahpublication.org/journals/index.php/granthaalayah/article/view/IJRG19_A06_2338
151	2019	Analysis of prospects application of integrated farming system models for lowland rice with beef cattle to strengthen farmers' economy in West Sumatera	Asdi Agustar, Juniarti, Ida Indray	Reputable international journal	IOP Conference Series: Earth and Environmental Science	287/1/012032	https://iopscience.iop.org/article/10.1088/1755-1315/287/1/012032
152	2019	Impact of Cover Crops on Reducing the Potential Erosion in Agricultural Land (Vol 12. No. 2 January 2019, pp. 152-161)	Setia Loannisa, Amrizal Saidi, Dian Fiantis	Reputable international journal	Journal of progressive Science	January 2019	http://ijpsat.es/index.php/ijpsat/article/view/694
153	2019	Evaluating a low-cost portable NIR spectrometer for the prediction of soil organic and total carbon using different calibration models	Amin Sharififar, Kanika Singh, Et	Reputable international journal	Soil Use and Management	Vol 35, No 4	https://onlinelibrary.wiley.com/doi/abs/10.1111/sum.12537