



# THE 1<sup>ST</sup> UNIVERSITAS LAMPUNG INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY AND ENVIRONMENT 2020



Address: Jl. Prof. Dr. Ir. Sumantri Brojonegoro No: 1, Gedong Meneng, Kota Bandar Lampung, Lampung 35141

## The 1st Universitas Lampung International Conference on Science, Technology and Environment, ULICOSTE 2020

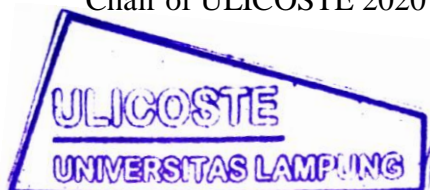
October 19<sup>th</sup>, 2020

Dear ULICOSTE 2020 Presenters,

We are pleased to announce that based on the screening process, your manuscript has been accepted by The Committee of The 1st Universitas Lampung International Conference on Science, Technology and Environment, ULICOSTE 2020. Please check on **the list of an accepted paper in the attachment (Appendix I)** to as certain the authors and the title. Furthermore, presenters are asked to pay the publication fee and follow the instructions from the ULICOSTE committee, as follow:

1. The article will be process (review) after payment.
2. Article must follow the guidelines of IOP: *Earth and Enviromental Science*.
3. Authors must revise the article following comments and suggestion from reviewer.
4. Article will submitted to IOP Publisher after the revise of paper has been accomplished.
5. The Committee of ULICOSTE will do strict review to reduce the potential for rejection from IOP: *Earth and Enviromental Science*. For article was submitted, but rejected by IOP Publisher, The Organizer will refund 20% of the total payment.
6. For presenter with accepted full paper are required to make PAYMENT in system (IDR1,500,000/Articles). Please make payment to the following account:
  - **Bank** : **BNI**
  - **Account Holder** : **Abdul Mutolib**
  - **Account Number** : **1120768456**
  - **Contact Person** : 081271471188 (Mr. Kevin)/081271471133 (Miss Bunga)
  - **No later than October 26<sup>th</sup>, 2020**
7. Please write your paper code (e.g. ULICOSTE001) on your payment receipt (using handwriting) and upload it to the email ([ulicoste01@kpa.unila.ac.id](mailto:ulicoste01@kpa.unila.ac.id)) or WA number (Mr. Kevin **081271471188**/Miss Bunga **081271471133**).
8. Deadline of revised full paper submission is on November 10<sup>th</sup>, 2020.
9. Articles that are not listed in **Appendix I**, will be accepted after completing the full paper, translate (form Indonesia to English), and linking to the scope of ULICOSTE. Further information will be sent by email.

Chair of ULICOSTE 2020



Dr. Ir. Lusmeilia Afriani, D.E.A.



**Appendix 1**  
**THE LIST OF ACCEPTED FULL PAPER FOR ULICOSTE 2020**  
**(First Session)**

No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
1	ULICOSTE001	Fajri Mulya Iresha, Kasam, Dony Hermansyah, Rofiqul Umam, and Ali Rahmat	Islamic University of Indonesia University of Lampung Kwansei Gakuin University	Quality of Compost by vermicomposting process on food waste media	Accepted with Revision
2	ULICOSTE006	M Rizky Febriansyah, Liska Mutiara Septiana, Supriatin and Abdul Kadir Salam	University of Lampung	The Patterns of Lead and Copper Distributions in the Vicinity of Heavy Metal Sources in Lampung, the Southern Part of Sumatra, Indonesia	Accepted with Revision
3	ULICOSTE007	IGAO. Mahagangga, IP. Anom, IB. Suryawan, T. Koesbardiati, IGAA. Wulandari	University of Udayana University of Airlangga University of Warmadewa	Traditional Myth and Sustainable Development (A Qualitative Approach to Balinese Tourism)	Accepted with Revision
4	ULICOSTE008	Arifah, D Salman, A Yassi, and EB Demmallino	Hasanuddin University Pangkep State of Polytehcnic of Agriculture	Farmer's perception of climate change and the impacts on livelihood in South Sulawesi	Accepted with Revision
5	ULICOSTE009	Abdul Mutolib, Ali Rahmat, Helvi Yanfika	University of Lampung	Income Analysis, Knowledge and Impact of Climate Change on Fishermen Household in Limau District, Tanggamus Regency	Accepted with Revision
6	ULICOSTE011	M F R Hasan, C D Fransiska, D A Suaidi, H Widodo and N Martina	Politeknik Negeri Jakarta State University of Malang	Identification of sea water intrusion using geoelectrical resistivity method at the Goa Cina Beach Malang, Indonesia	Accepted with Revision
7	ULICOSTE013	Lis M.Yapanto, Dahniar Th. Musa, Citra Panigoro, Sutianto Pratama Suherman	State University of Gorontalo Tanjungpura University	The alternative income of coastal communities (Case study in Bone Bolango District, Gorontalo Province, Indonesia)	Accepted with Revision
8	ULICOSTE016	Fairuz Iqbal Maulana, Febby Chandra Pratama	Bina Nusantara University	The Sustainable Development Goals (SDGs) in Boon Pring Tourism Village Turen Malang	Accepted with Revision

No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
				with SWOT Methode	
9	ULICOSTE017	R A D Widyatuti, A Rahmat, M K Zaki, B Prasetyo, and FM Iresha	University of Lampung Gifu University UIN Raden Intan Lampung Universitas Islam Indonesia	Chemical content of waste composting by black soldier fly ( <i>Hermetia illucens</i> )	Accepted with Revision
10	ULICOSTE018	A Rahmat, W S Ramadhani, D Prasetyo, S N Aini, A Mutolib, and H Yanfika	University of Lampung	The composition of micro nutrients and toxic elements in agricultural waste compost uses black soldier fly larvae ( <i>Hermetia illucens</i> )	Accepted with Revision
11	ULICOSTE020	A Aswandi and C R Kholibrina	Environment and Forestry Research Development and Innovation Institute of Aek Nauli, North Sumatra	New insights into Sumatran camphor ( <i>Dryobalanops aromatica</i> Gaertn) management and conservation in western coast Sumatra, Indonesia	Accepted with Revision
12	ULICOSTE021	N Martina, Rinawati, M F R Hasan, Y Setiawan and E Yanuarini	Politeknik Negeri Jakarta	Analysis of the use of rubber waste to improve the performance of the asphalt concrete mixture against roob floods	Accepted with Revision
13	ULICOSTE023	Habib Burrahman and Nia Klaudia Ginting	Sekolah Tinggi Meteorologi Klimatologi Geofisika	Study of the Influence of Cempaka Tropical Cyclone on the height of Sea Waves in the South Java Sea using the Deft 3D Application	Accepted with Revision
14	ULICOSTE024	T Atmoko, A Mardiasuti, M Bismark, L B Prasetyo, and E Iskandar	Institute for Natural Resources Conservation Technology IPB University Forest Research and Development Center	The land cover and type of proboscis monkey habitat in Berau Delta, East Kalimantan	Accepted with Revision
15	ULICOSTE026	P D Kasi, E P Tenriawaru, S Cambaba, and B Triana	Universitas Cokroaminoto Palopo Brawijaya University	The abundance and diversity of Basidiomycetes fungi in sago bark waste	Accepted with Revision
16	ULICOSTE027	Netty Herawati, Lina Sunyata, and Adityo Darmawan Sudagung	Universitas Tanjungpura	Communication Model of Musyawarah and Role of Traditional Leaders in Building Public Acceptance to Support Nuclear Powerplant Development Plan at Bengkayang Regency	Accepted with Revision

No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
17	ULICOSTE028	Mizu Istianto dan Deni Emilda	Indonesian Tropical Fruit Research Institute	The Potency of Citronella Oil and Clove Oil for Pest and Disease Control in Tropical Fruit Plants	Accepted with Revision
18	ULICOSTE029	Jalu Tejo Nugroho, Desy Nurfitriani, Suwarsono, Atriyon Julzarika, Galdita Aruba Chulafak, Argo Galih Suhadha, Rudi Budi Agung, Johannes Manalu and Sri Harini	Indonesian National Institute of Aeronautics and Space Gajah Mada University Sumatera Institute of Technology	Rainfall anomalies assessment during drought episodes of 2015 in Indonesia using CHIRPS Data	Accepted with Revision
19	ULICOSTE030	M R Nugraha and A Adriansyah	Universitas Mercu Buana	Optimization of Sensor Model for Solar Radiation Measurement with Shading Device	Accepted with Revision
20	ULICOSTE031	Kustiyo, Rokhmatuloh, Adhi Harmoko Saputro, Dony Kushardono	University of Indonesia National Institute of Aeronautics and Space (LAPAN)	Speckle Noise Reduction of Sentinel-1 SAR Data using Fast Fourier Transform Temporal Filtering to Monitor Paddy Field Area	Accepted with Revision
21	ULICOSTE032	Samsul Bakri, Karomani, and Abdul Firman Ashaf	University of Lampung	The Role of Extention Participation on Risk Taking Behavior of Local Elites and the Coffee Agroforestry Farmer'S Income: Study at Social Forest Community on Batutegi Forest Mangement Unit-Lampung Province-Indonesia	Accepted with Revision
22	ULICOSTE033	Messalina L Salampessy, I G Febryano, D Zulfiani, I.G.A.Manik.Widhyastini	University of Nusa Bangsa University of Lampung University of Mulawarman	Public Perception on the Utilization of Cisadane's Watershed Natural Resources	Accepted with Revision
23	ULICOSTE035	Winih Sekaringtyas Ramadhani, Soemarno, Ali Rahmat, Priyo Cahyono	University of Lampung Brawijaya University PT. Great Giant Pineapple	Improvement of Ultisol Soil Fertility under Pineapple Plantation Using Banana Cavendish rotation in Central Lampung, Indonesia	Accepted with Revision
24	ULICOSTE036	A Hamni, A Y T Panuju, and D A S Ambarwati	University of Lampung	Understanding Consumers' Behavior for Improving Sustainability Through Product Design – A Study Case of Combustion	Accepted with Revision

No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
				Engine Based Vehicles Usage in Indonesia	
25	ULICOSTE037	R J Lahay and S Koem	Universitas Negeri Gorontalo	Implementation of Google Earth Engine in Automatic Detection of Changes in Limboto Lake Inundation	Accepted with Revision
26	ULICOSTE040	Novika Ayu Eko Kusumastuty, Tumiar Katarina Manik, and Paul Benyamin Timotiwu	Indonesian Agency for Meteorology, Climatology and Geophisics University of Lampung	Identification of Temperature and Rainfall Pattern in Bandar Lampung and the 2020 - 2049 Projection	Accepted with Revision
27	ULICOSTE041	Murniati K, W A Zakaria, T Endaryanto, and L S M Indah	University of Lampung	Analysis of production efficiency and income to support sustainability of cassava farming in Lampung Tengah District, Lampung Province	Accepted with Revision
28	ULICOSTE042	Muhammad Abdul Qirom	Banjarbaru Environmental and Forestry Research Development Institute	The impact of land covers on carbon stock potential in South Kalimantan	Accepted with Revision
29	ULICOSTE043	Catur Rakhmad Handoko and Mukhtasor	Sepuluh Nopember Institute of Technology (ITS)	Power Take-off Technology in Wave Energy Converter Systems: State of The Art	Accepted with Revision
30	ULICOSTE044	Retno Yunilawati, Windri Handayani, Agustina Arianita Cahyaningtyas and Cuk Imawan	Universitas Indonesia Badan Penelitian dan Pengembangan Industri, Kementerian Perindustrian	Peppermint oil loaded on recycled paper as an antibacterial label for shrimp	Accepted with Revision
31	ULICOSTE045	Nambi Anasta, FX Arinto Setyawan, and Helmy Fitriawan	Universitas Lampung	Disease detection in banana trees using an image processing-based thermal camera	Accepted with Revision
32	ULICOSTE046	M.M. Mutiara, E Rachmawati and A. Sunkar	IPB University	Effectivity Assessment of Interpretive Signs for Biodiversity Conservation	Accepted with Revision
33	ULICOSTE047	Hamdan A. Adinugraha, D. Setiadi, H. B. Santoso, and N.K. Kartikawati	Balai Besar Penelitian dan Pengembangan Bioteknologi dan Pemuliaan Tanaman Hutan	Growth Performance and Fruiting of Breadfruit Clonal Plantation at Vertic Soil Area in Gunungkidul,	Accepted with Revision

No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
				Yogyakarta	
34	ULICOSTE049	Iis Dewi Ratih, Sri Mumpuni Retnaningsih, and Vivi Mentari Dewi	Institut Teknologi Sepuluh Nopember	Classification of Soil Quality using K Nearest Neighbors	Accepted with Revision
35	ULICOSTE050	M M Harfadli and M Ulimaz	Institut Teknologi Kalimantan	Analysis of the Sustainability of Water Supply in Balikpapan City Using Multi-Dimensional Scaling	Accepted with Revision
36	ULICOSTE051	H H Setiawan, M Nuryana, B Susantyo, A B Purwanto, M B Sulubere and Delfirman	Research and Development Center of Social Welfare, Ministry of Social Affairs	Poverty alleviation for the Beneficiaries of the Program Keluarga Harapan (PKH) through Social Entrepreneurship	Accepted with Revision
37	ULICOSTE052	S Apriyani, A Kurnia, M T Sutriadi	Indonesian Agricultural Environment Research Institute, Pati, Indonesia	Diversity of Insect on Cowpea Cropping in Rainfed Land	Accepted with Revision
38	ULICOSTE053	M Yudinugroho and C A Rokhmana	Universitas Gadjah Mada	Detection of Surface Deformation in Opak Fault Yogyakarta Using Quasi Persistent Scatter Interferometry Synthetic Aperture Radar	Accepted with Revision
39	ULICOSTE054	Anhar Solichin, Niniek Widyorini, and Arif Rahman	Universitas Diponegoro	Biological Aspects of Tilapia ( <i>Oreochromis niloticus</i> ) in The Jatibarang Reservoir, Central Java	Accepted with Revision
40	ULICOSTE055	D.L Zariatn, Anzor S. Siregar, A. Suwandi, and Ralf Föster	Universitas Pancasila Beuth University of Applied Sciences, Germany	The Effect of Chemical Extraction with Heat on the Bamboo Fibre Strength	Accepted with Revision
41	ULICOSTE057	Kasam, Fajri Mulya Iresha, Rofiqul Umam, and Ali Rahmat	Islamic University of Indonesia University of Lampung Kwansai Gakuin University	Study of Organic Market Waste Processing Using Continuous Flow Bin Vermicomposting Meet Several Nutrient Parameters	Accepted with Revision
42	ULICOSTE058	Yulius Ferry, Sunjaya Putra, and Suci Wulandari	Indonesian Industry and Freshner Crops Research Institute, and Indonesian Center for Estate Crops Research and Development	The amelioration of tidal Peatland to Improve Liberica Coffee Productivity in Jambi	Accepted with Revision

No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
43	ULICOSTE060	Achmad Diansyukma	Universitas Gadjah Mada and PT Pertamina Hulu Mahakam	Analysis of Clean Water Supply for Remote Area (Study Case: Sepatin Village, Kutai Kartanegara Regency)	Accepted with Revision
44	ULICOSTE062	M Telaumbanua, E A Savitri, T Wahyuningsih, Jumari, S Suharyatun, F K Wisnu, and A Haryanto	University of Lampung Food and Horticultural Crops Protection Laboratory, Agriculture Service, Pringsewu Regency	Plant-Based Pesticide using Citronella (Cymbopogon nardus L.) Extract to Control Insect Pests on Rice Plants	Accepted with Revision
45	ULICOSTE064	Adjat Sudrajat, Yati Setiati Rachmawati, Cut Nafisyah N Q	UIN Sunan Gunung Djati	The effect of the type of planting medium and the dosage of vermicompost fertilizer on the growth and yield of bean (Phaseolus vulgaris L.) kenya varieties	Accepted with Revision
46	ULICOSTE067	Adelia Rachmaniar, Hasyimi Pradana, Aditya Prastian Supriyadi, and Aris Mustriadi	TELKOM University Universitas Brawijaya LBH PERADI Malang Raya	Carbon Trading System as a Climate Mitigation Scheme: Why Indonesia Should Adopt it	Accepted with Revision
57	ULICOSTE068	SF Rochmah, Rahmat Safe'i, Afif Bintoro, and Hari Kaskoyo	University of Lampung	The Effect of Forest Health on Social Conditions of the Community	Accepted with Revision
48	ULICOSTE069	E Antriandarti, Agustono, E Rusdiyana, and S W Ani	Universitas Sebelas Maret,	The dynamics of the relationship between household residence and decision making where to purchase rice: a case study in urban and rural Indonesia	Accepted with Revision
49	ULICOSTE071	D Vidayanti and T G A Nadia	Universitas Mercubuana	Liquefaction Phenomenon Analysis Due To Palu-Donggala Earthquake, September 2018	Accepted with Revision
50	ULICOSTE072	Yusrina Amaliah and Mega Ulimaz	Urban and Regional Planning, Kalimantan Institute of Technology	Spatial modeling on the influence of social network and infrastructure accessibility on the number of poverty alleviation program recipients in Budaya Pampang Sub-District	Accepted with Revision
51	ULICOSTE073	Aditya Prastian Supriyadi, Aris Mustriadi, Hasyimi	Universitas Brawijaya LBH PERADI Malang Raya	Optimization of Novel Renewable Energy as Resources for Environmentally Friendly	Accepted with Revision



No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
		Pradana, and Adelia Rachmaniar	LBH PERADI Malang Raya	National Energy Security: The Existence and the Readiness of the Regulatory Framework	
52	ULICOSTE075	Alfi Muntafi I, M. Subandi, and Budy Frasetya TQ.	UIN Sunan Gunung Djati	The Effect of Various Nutrient Hydroponic Formulation on Growth and Yield of Three Varieties of Common Bean ( <i>Phaseolus vulgaris L.</i> ) on Hydroponic Drip Irrigation System	Accepted with Revision
53	ULICOSTE080	L Y Irawan, Sumarmi, S Bachri, D Panoto, Nabila, I H Pradana, A C Darmansyah, R Faizal, and W E Prasetyo	State University of Malang	Combination of Machine Learning Model (LR-FR) for Flash Flood Susceptibility Assessment in Dawuan Sub Watershed Kabupaten Mojokerto	Accepted with Revision
54	ULICOSTE081	Sundari, Abdu Mas'ud, Didik Wahyudi, Estri Laras Arumingtyas, Lukman Hakim, Rodiyati Azrianingsih	Indonesian Agency for Agricultural Research and Development	Genetic Diversity of Local Durian from Tidore Islands Based on Morphological And Molecular Data for a Tropical Fruit Conservation Model in North Maluku	Accepted with Revision
55	ULICOSTE082	V Fitrianti and M I A Ghafari	University of Mataram Hasanuddin University	The Study of Reef Fish Community in the Outer Islets of Sekotong Bay, Indonesia	Accepted with Revision
56	ULICOSTE083	Hendri Irwandi	Universitas Indonesia	Lake Toba Water Level Fluctuation, Associated with the 2015/2016 El Niño	Accepted with Revision
57	ULICOSTE086	Kusumaputri Amala, Soesilo B, and H. Kusnopranto	University of Indonesia	Implementation of Cleaner Production to Improve Wastewater Treatment Performance	Accepted with Revision
58	ULICOSTE087	Khodijah Ummu Fadhillah Murad, Nismah Nukmal, and Endah Setiyaningrum	University of Lampung	The Effect of Storage Time of Candidate Raw Insecticide from Gamal Leaves ( <i>Gliricidia maculata</i> ) on the Toxicity Stability to Control Mealy Bug	Accepted with Revision
59	ULICOSTE088	Suwarsono, D Triyono, MR Khomarudin and Rokhmatuloh	Universitas Indonesia Remote Sensing Application Center – LAPAN	Detecting the Surface Temperature Anomaly of the Anak Krakatau Volcano using Landsat-8 TIRS during 2018 Eruption	Accepted with Revision
60	ULICOSTE089	M Mardiharini	Indonesian Agency for Agricultural Research and Development	CIPP model for performance evaluation of sustainable agricultural-techno park	Accepted with Revision



No	CODE OF ARTICLE	AUTHORS	AFFILIATION	TITLE	DECISION
				development	
61	ULICOSTE090	I Carolita, M S Rosid, A Ibrahim, D Dirgahayu, H Noviar, T Kartika, S Arifin, and J Supriatna	Indonesian National Aeronautic Space Institute University of Indonesia	Potential of PALSAR SCANSAR data for Oil Palm Plantation Monitoring	Accepted with Revision
62	ULICOSTE094	Djoko Mulyono, Yulia Irawati and M Jawal Anwarudin Syah	Indonesian Center for Horticulture Research and Development IP2TP Subang, Indonesian Tropical Fruit Research Institute	Morphological Variability of Six Mangosteen ( <i>Garcinia mangostana L.</i> ) Varieties	Accepted with Revision
64	ULICOSTE097	R Evizal and F E Prasmatiwi	University of Lampung	Farmers' perception to climate change and adaptation to sustain black pepper production in North Lampung, Indonesia	Accepted with Revision

Bandar Lampung, October 19<sup>th</sup> 2020

Chair of ULICOSTE 2020



Dr. Ir. Lusmeilia Afriani, D.E.A.

