



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI  
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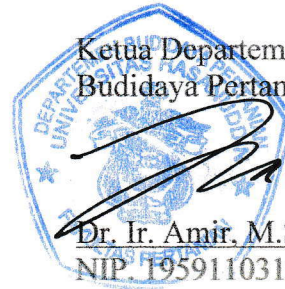
**SURAT KETERANGAN**  
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Ketua Departemen Budidaya Pertanian Fakultas Pertanian Universitas Hasanuddin menerangkan bahwa nama-nama dosen yang terlampir dibawah ini, benar telah melaksanakan Publikasi Jurnal/Artikel.

Demikian Surat Keterangan ini dibuat dengan sebenarnya untuk digunakan pada perhitungan Beban Kerja Dosen (BKD) Semester Awal 2020/2021.

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Ketua Departemen  
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Lampiran Surat : Kegiatan Publikasi Jurnal/Artikel Dosen Departemen Budidaya Pertanian Semester Awal 2020/2021

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Tanggal 30 Desember 2020

No	Nama Dosen	Status pada Artikel	Anggota Penulis Lain:	Judul Publikasi	Nama Jurnal/Prosedin	Status Jurnal
1	2	3	4	5	6	7
1	Prof. Dr. Ir. H. Kahar Mustari, MS. 19501023 197503 1 004	Anggota	Dian Yustia Tutuk Kuswinanti Amir Yassi	ENDOPHYTIC FUNGI ORIGIN OF LOCAL RICE SINJAI AS A PLANT GROWTH PROMOTING AGENT	JOURNAL OF CRITICAL REVIEWS	internasional
		Anggota	Itji Diana Daud Elkawakib Syam'un Aris Baso Nuniek Widiyani	Infection of Ostrinia furnacalis (Lepidoptera: Pyralidae) by Endophytic Beauveria	Online Journal of Biological Sciences	internasional
2	Prof. Dr. Ir. H. Ambo Ala, MS. 19541231 198102 1 006	Anggota	Sukmawati Ambo Ala Baharuddin Patendjengi Siktus Gusli	Exploring of Promosing Bacteria from the Rhizosphere of Maize, Cocoa and Lamtoro	Biodiversitas	internasional
		Anggota	Sri Sudewi Ambo Ala Baharuddin Muhammad Farid	Keragaman Organisme Pengganggu Tanaman (OPT) pada Tanaman Padi	Jurnal Agrikultura	akreditasi
		Anggota	Sri Sudewi Ambo Ala Baharuddin M. Farid BDR	Isolation of phosphate solubilizing bacteria from the rhizosphere of local aromatic rice in Bada Valley Central Sulawesi, Indonesia	IOP (ICROEST 2020)	internasional
		Anggota	Sri Sudewi Ambo Ala Baharuddin M. Farid BDR	The isolation, characterization endophytic bacteria from roots of local rice plant Kamba in, Central Sulawesi,	Biodiversitas	internasional

2	Prof. Dr. Ir. H. Ambo Ala, MS. 19541231 198102 1 006	Anggota	Sukmawati Ambo Ala Baharuddin Patandjengi Siktus Gusli	THE PHYSICOCHEMICAL PROPERTIES OF AGRICULTURAL WASTE INOCULATED WITH ALGINATE- PRODUCING	Plant Cell Biotechnology and Molecular Biology	internasional
		Anggota	Sri Sudewi Ambo Ala Baharuddin Patandjengi M. Farid BDR Abdul Rahim Saleh	Screening Of Plant Growth Promotion Rhizobacteria (PGPR) to increase local aromatic rice plant growth	International Journal of Pharmaceutical Research	internasional
3	Prof. Dr. Ir. Elkawakib Syam'un, MP. 19560318 198503 1 001	Ketua	Dr.Ir.Fachirah Ulfa, MP Dr.Ir.Katriani Mantja, MO	Menulis pada koran Ujungpandang ekspres berjudul: Bibit biji baeang merah lebih efektif	Koran UjungPandang Ekspres	Koran
		Anggota		<i>Response of chili (Capsicum annum L.) to bioslurry fertilization and enrichment of Trichoderma asperellum on</i>	<b>Earth Environ. Sci.</b>	internasional
		Anggota	A Yassi', K Mustari', A. Guricci', E Syam'un', M Riadi', T Dariati', and N Adyla S'	Growth and production of lowland rice ( <i>Oryza sativa L.</i> ) with water management systems on the application of various combination of fertilizers and planting	<b>Earth Environ. Sci.</b>	internasional
		Anggota	M.Riadi, R Sjahril, Maryati, E Syam'un, N Kasim, Rafiuddin, S Dewi	Growth and production of three rice varieties ( <i>Oryza sativa L.</i> ) in saline stress condition following halopriming	<b>Earth Environ. Sci.</b>	internasional

3	Prof. Dr. Ir. Elkawakib Syam'un, MP. 19560318 198503 1 001	Anggota	Itji Diana Daud, Elkawakib, Kahar Mustari, Aris Baso and Nuniek Widiayani	Infection of <i>Ostrinia furnacalis</i> (Lepidoptera: Pyralidae) by <i>Endophytic Beauveria</i>	Journal of Biological Sciences	internasional
4	Prof. Dr. Ir. Yunus Musa, M.Sc. 19541220 198303 1 001	Ketua	Yunus Musa Abd. Mollah Sumiati	The Response of Three Cane Varieties' Bud Chips Seedlings with <i>Mycorrhizae Isolate</i>	IOP (ICROEST 2020)	internasional
		Ketua	Yunus Musa Abd Haris B A. Rini	Farmers Understanding and Practices on Shading and Pruning for Arabica Coffee – a Survey and Analysis on the Effects to the	IOP (ICROEST 2020)	internasional
		Anggota	Ambo Ala Yunus Musa Lorensia Kadola	Effect of Compost Enrichment with <i>Trichoderma</i> sp on the Growth of Arabica Coffee Seedlings	IOP (ICROEST 2020)	internasional
		Anggota	Muh. Farid BDR Yunus Musa Ifayanti Ridwan Saleh Amir Yassi	Screening of Indonesian rice ( <i>Oryza sativa</i> L.) Genotypes Against Salinity Stress Using NaCl Under Hydroponic	IOP (ICROEST 2020)	internasional
		Anggota	Muh. Farid BDR Ifayanti Ridwan Saleh Nasaruddin Yunus Musa Ardian Reski Handayani Andi Rusdayani Amin	Evaluation on Morpho-Physiological Characters of Synthetic Maize Genotypes on Low Soil Nitrogen Level	IOP (ICROEST 2020)	internasional
		Anggota	Ifayanti Ridwan Muh. Farid BDR Yunus Musa Hatta Jamil Andi Rusdayani A	SINHAS-1 Maize Seed Production Through Male-Female Ratio and Pruning Technique	Agrotech Journal	akreditasi

4	Prof. Dr. Ir. Yunus Musa, M.Sc. 19541220 198303 1 001	Anggota	Muh. Farid Nasaruddin Yunus Musa Muhammad Fuad Anshori Ifayanti Ridwan	Genetic Parameters and Multivariate Analysis to Determine Secondary Traits in Selecting Wheat Mutant Adaptive on	Plant Breed. Biotech. 2020 (December)	internasional
		Anggota	Muh Farid, Yunus Musa, Hatta Jamil, Ifayanti Ridwan, Sakka Pati, Nursini, Abdul Wahid, dan Muhammad Fuad Anshori	Diseminasi Produk Jagung Sintetik Unhas (Sinhas 1) Dalam Pemenuhan Kebutuhan Benih Dan Produksi Jagung Di Kabupaten Takalar	Jurnal Dinamika Pengabdian	akreditasi
5	Dr. Ir. H. Nasaruddin, MS. 19550106 198312 1 001	Ketua	Nasaruddin Yunus Musa Amir Yassi Ade Rosmana Muh. Farid BDR Ismail Mustafa	Penyuluhan Teknis Pemangkasan Bentuk dan Pemangkasan Pemeliharaan Tanaman Kakao Klonal di Kabupaten Kolaka Utara Provinsi Sulawesi Tenggara	Jurnal Dinamika Pengabdian	akreditasi
		Ketua	Nasaruddin Muh Farid Akmal Ifayanti Ridwan Muhammad Fuad Anshori	Physiological and Agronomical Characteristics Evaluation of Soybean Grown under Oil Palm	Asian Journal of Plant Sciences	internasional
		Anggota	Muh. Farid BDR Ifayanti Ridwan Nasaruddin Yunus Musa Ardian Reski Handayani Andi Rusdayani Amin Nuniek Widiayani	Evaluation on Morpho- Physiological Characters of Synthetic Maize Genotypes on Low Soil Nitrogen Level Condition	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional

5	Dr. Ir. H. Nasaruddin, MS. 19550106 198312 1 001	Anggota	M Farid BDR, Kahar Mustari, Risman Arisandi, Nasaruddin,	Response of M5 wheat (Triticum aestivum L.) mutant to low altitude growing condition	IOP Earth and Environmental Science Conf. Series	internasional
		Anggota	M Farid BDR, Nasaruddin, M F Anshori and A N J Chaerunnisa	Evaluation on reproductive and productivity characters of wheat (Triticum aestivum L.) genotypes	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional
		Anggota	Muh. Farid BDR Muhammad Fuad Anshori Gracia Emanuella Nur Pratiwi Irna Ermiyanti ViviYovita	High Lycopene Tomato Breeding Through Diallel Crossing	Agrotech Journal	akreditasi
		Anggota	Rusnadi Padjung Muh. Farid BDR Nasaruddin Ifayanti Ridwan Muhammad Fuad Anshori Andi Dwie Mochammad Abduh Ahrani Akbar Fachri	Growth and Production of Corn in Various Planting Distances Systems	Agrotech Journal	akreditasi
		Ketua	Nasaruddin Muh. Farid BDR Yunus Musa Hari Iswoyo	Character Selection and Tolerance Screening Efectivity on Static Hydroponic Method Under Drought Stress in Rice	Agrotech Journal	akreditasi
		Anggota	Muh. Farid Nasaruddin Yunus Musa Muhammad Fuad Anshori Ifayanti Ridwan	Genetic Parameters and Multivariate Analysis to Determine Secondary Traits in Selecting Wheat Mutant Adaptive on Tropical Lowlands	Plant Breed. Biotech. 2020 (December)	internasional

6	Dr. Ir. Rafiuddin, MP. 19641229 198903 1 003	Ketua	Rafiuddin A. Mollah E. Pratiwi	Application of various types of local microorganisms to the growth and production	IOP (ICROEST 2020)	internasional
		Ketua	Rafiuddin Nasaruddin H.Y. Osmar	Growth of cacao seedlings on application of several	IOP (ICROEST 2020)	internasional
		Anggota	R. Padjung A. Mollah M.A.F Al-Ridho K. Mustari  A. Ala  Rafiuddin	Effect of exploitation system using a tapping stimulant on the production of four rubber plant clones (Hevea brasiliensis Mull-Arg.) in Bulukumba Regency	IOP (ICROEST 2020)	internasional
		Anggota	I. Ridwan A. Ala Irwansyah  Rafiuddin  BDR.  M. Farid,	Good Agriculture Practice (GAP) of arabica coffee (Coffea arabica L.): Implementation on the smallholder estate in Enrekang Regency	IOP (ICROEST 2020)	internasional
		Anggota	Nur Fadhli Muh. Farid Rafiuddin  Roy Efendi  Azrai  Muhammad	Multivariate analysis to determine secondary characters in selecting adaptive hybrid corn lines under drought stress	Biodiversitas	internasional

7	Dr. Ir. Fachirah Ulfa, MP. 19641024 198903 2 003	Ketua	1. Prof. Dr. Ir. Kahar Mustari, MS 2. Dr. Ifayanti Ridwan Saleh 3. Dr. Hari iswoyo, M.Sc 4. Dr. Amirullah Dachlan 5. Hasmi	Higher NPK Nutrient Absorption due to the use of humic acid affects the growth and yield of baby corn applied with mungbean extract	Earth and Environmental Science	internasional
8	Dr. Ir. Hj. Syatrianty A. Syaiful, MS. 19620324 198702 2 001	Anggota	Muhammad Aksan Akib Andi Nuddin Retno Pradiyaningsih Tutik Kuswinanti Kahar Mustari Syatrianty Andi Syaiful Sarjiya Antonius	Exploration of Endomichorizal Fungus in Area Contaminated with Heavy Metal	Plant Cell Biotechnology and Molecular Biology	internasional
		Anggota	Muhammad Aksan Akib Demmaroa Retno Pradiyaningsih Tutik Kuswinanti Kahar Mustari Syatrianty Andi Syaiful Sarjiya Antonius	Indigeneous Arbuscular Michorizhal From Jompie Botanical Garden of Pare Pare Which Isolated at Ptererospermum	Plant Cell Biotechnology and Molecular Biology	internasional
		Anggota	Amalia Oktavianty Hazairin Zubair Syatrianty A. Syaiful	Land Suitability Evaluation of Crops that Form Agroforestry	IOP Conference Series Earth and Environmental Science	internasional
		Anggota	2. K. Mustari 3. S. A. Syaiful 4. M. Riadi 5 Rinaldi Sjahril 6. N. Ahyani	Screening of eight mutants of Sinjai lokal red rice ( <i>Oryza sativa</i> ) to salinity stress	IOP Conference Series: Earth and Environmental Science	internasional
9	Dr. Ir. Muh. Farid BDR, MP. 19670520 199202 1 001	Anggota	Nasaruddin Muh Farid Akmal Ifayanti Ridwan Muhammad Fuad Anshori	Physiological and Agronomical Characteristics Evaluation of Soybean Grown under Oil Palm Stands Applied with Tri-po Enriched Compost	Asian Journal of Plant Sciences	internasional

		Ketua	Muh. Farid BDR Yunus Musa Ifayanti Ridwan Saleh Amir Yassi	Screening of Indonesian rice ( <i>Oryza sativa</i> L.) Genotypes Against Salinity Stress Using NaCl Under Hydroponic Condition	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional
9	Dr. Ir. Muh. Farid BDR, MP. 19670520 199202 1 001	Ketua	Muh. Farid BDR Ifayanti Ridwan Nasaruddin Yunus Musa Ardian Reski Handayani Andi Rusdayani Amin Nuniek Widiayani	Evaluation on Morpho-Physiological Characters of Synthetic Maize Genotypes on Low Soil Nitrogen Level Condition	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional
		Anggota	Sri Sudewi Ambo Ala Baharuddin Muhammad Farid	Keragaman Organisme Pengganggu Tanaman (OPT) pada Tanaman Padi Varietas Unggul Baru	Jurnal Agrikultura	akreditasi
		Anggota	Sri Sudewi Ambo Ala Baharuddin M. Farid BDR	Isolation of phosphate solubilizing bacteria from the rhizosphere of local aromatic rice in Bada	IOP (ICROEST 2020)	internasional
		Anggota	Sri Sudewi Ambo Ala Baharuddin M. Farid BDR	The isolation, characterization endophytic bacteria from roots of local rice plant Kamba in,	Biodiversitas	internasional
		Anggota	Sri Sudewi Ambo Ala Baharuddin Patandjengi M. Farid BDR Abdul Rahim Saleh	Screening Of Plant Growth Promotion Rhizobacteria (PGPR) to increase local aromatic rice plant growth	International Journal of Pharmaceutical Research	internasional

		Ketua	M Farid BDR, Kahar Mustari, Risman Arisandi, Nasaruddin, Ambo Ala, Nurlina Kasim, Amirullah Dachlan and Ifayanti Ridwan	Response of M5 wheat (Triticum aestivum L.) mutant to low altitude growing condition	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional
		Ketua	M Farid BDR, Nasaruddin, M F Anshori and A N J Chaerunnisa	Evaluation on reproductive and productivity characters of wheat (Triticum aestivum L.) genotypes grown in the lowlands	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional
		Ketua	M Farid BDR, N Widiyani, M F Anshori and Zulqaida	Ratio of ammonium and nitrate to response of chinese broccoli variety (Brassica oleracea Var. Alboglabra) in hydroponic culture	IOP Earth and Environmental Science Conf. Series (ICROEST 2020)	internasional
		Ketua	Muh. Farid BDR Muhammad Fuad Anshori Gracia Emanuella Nur Pratiwi Irna Ermiyanti ViviYovita Musdalifa Nasaruddin	High Lycopene Tomato Breeding Through Diallel Crossing	Agrotech Journal	akreditasi
9	Dr. Ir. Muh. Farid BDR, MP. 19670520 199202 1 001	Anggota	Rusnadi Padjung Muh. Farid BDR Nasaruddin Ifayanti Ridwan Muhammad Fuad Anshori Andi Dwie Mochammad Abduh Ahrani Akbar Fachri	Growth and Production of Corn in Various Planting Distances Systems	Agrotech Journal	akreditasi

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Dr. Ir. Muh. Farid BDR, MP.  
19670520 199202 1 001

Anggota	Nasaruddin Muh. Farid BDR Yunus Musa Hari Iswoyo	Character Selection and Tolerance Screening Efectivity on Static Hydroponic Method Under Drought Stress in Rice	Agrotech Journal	akreditasi
Anggota	Ifayanti Ridwan Muh. Farid BDR Yunus Musa Hatta Jamil Andi Rusdayani A Muhammad Fuad Anshori	SINHAS-1 Maize Seed Production Through Male-Female Ratio and Pruning Technique	Agrotech Journal	akreditasi
Ketua	Muh. Farid Nasaruddin Yunus Musa Muhammad Fuad Anshori Ifayanti Ridwan	Genetic Parameters and Multivariate Analysis to Determine Secondary Traits in Selecting Wheat Mutant Adaptive on Tropical Lowlands	Plant Breed. Biotech. 2020 (December)	internasional
Anggota	Nasaruddin Yunus Musa Amir Yassi Ade Rosmana Muh. Farid BDR Ismail Mustafa	Penyuluhan Teknis Pemangkasan Bentuk dan Pemangkasan Pemeliharaan Tanaman Kakao Klonal di Kabupaten Kolaka Utara Provinsi Sulawesi Tenggara	Jurnal Dinamika Pengabdian	akreditasi
Ketua	Muh Farid, Yunus Musa, Hatta Jamil, Ifayanti Ridwan, Sakka Pati, Nursini, Abdul Wahid, dan Muhammad Fuad Anshori	Diseminasi Produk Jagung Sintetik Unhas (Sinhas 1) Dalam Pemenuhan Kebutuhan Benih Dan Produksi Jagung Di Kabupaten Takalar	Jurnal Dinamika Pengabdian	akreditasi

		Anggota	I. Ridwan A. Ala Irwansyah Rafiuddin M. Farid, BDR. F. Haring	Good Agriculture Practice (GAP) of arabica coffee (Coffea arabica L.): Implementation on the smallholder estate in Enrekang Regency	IOP (ICROEST 2020)	internasional
10	Dr. Ir. Amirullah Dachlan, MP. 19560822 198601 1 001	Anggota	1. Fachirah Ulfa, 2. Ifayanti Ridwan Saleh, 3. Kahar Mustari, 4. Amirullah Dachlan, 5. Hari Iswoyo, 6. Hasmi	Higher NPK nutrient absorption due to the use of humic acid affects the growth and yield of baby corn applied with mungbean extract.	IOP Conference Series: Earth and Environmental Science	internasional
		Anggota	1. Muh. Farid BDR., 2. Kahar Mustari, 3. Risman Arisandi, 4. Nasaruddin, 5. Ambo Ala, 6. Nurlina Kasim, 7. Amirullah Dachlan, 8. Ifayanti Ridwan Sakeh	Respon of M5 wheat (Triticum aestivum) mutant to low altitude growing condition	IOP Conference Series: Earth and Environmental Science	
11	Prof. Dr. Ir. Kaimuddin, M.Si. 19600512 198903 1 003	Anggota	Muhidin E Syam'un Y Musa G R Sadimantara S Leomo, G A K Sutariati	Effect dual inoculation of Azotobacter and Azospirillum on the productive trait upland red rice cultivar	IOP (ICROEST 2020)	internasional
		Ketua	<del>Eka Wulko Syam'un</del> Nurjannah Ruslan Hari Iswoyo Ifayanti Ridwan Amir Yassi Tandu Ramba	Respon of M5 wheat (Triticum aestivum) mutant to low altitude growing condition	IOP (ICROEST 2020)	internasional
		Anggota	R Dermawan (Ketua) N E Dunga R Sjahril A Mollah N S Yuniarti	Response of growth and development of butternut squash (Cucurbita moschata) to the combination of bioslurry and NPK fertilization	IOP (ICROEST 2020)	internasional

11	Prof. Dr. Ir. Kaimuddin, M.Si. 19600512 198903 1 003	Ketua	K Mustari Khairunnisa A Farmy Zul A H Bahrun	Water requirement for cocoa (Theobroma cacao L.) plant and the effect of climate factors	IOP (ICROEST 2020)	internasional
		Anggota	A Yassi (Ketua) I Ekawati	Paddy-fish cultivation within an integrated farming system	IOP (ICROEST 2020)	internasional
		Ketua	Nasaruddin D Darwis	Effect of soil management and biofertilizer application on cocoa's flower and fruit development	IOP (ICROEST 2020)	internasional
12	Dr. Ir. Rusnadi Padjung, M.Sc. 19600222 198503 1 002	Ketua	R Padjung, E Syam'un, F Haring, Kasim, Y Suni	Weeds diversity and the production of shallot (Allium ascalonicum L.) due to the application of azolla fertilizers and	IOP Conference Series: Earth and Environmental Science	internasional
		Ketua	R. Padjung A. Mollah M.A.F Al-Ridho	Effect of exploitation system using a tapping stimulant on the production of four	IOP (ICROEST 2020)	internasional
		Ketua	R. Padjung M. Farid Bdr Nasaruddin  I. Ridwan  Anshori  M.Fuad	Growth and Production of Corn in Various Planting Distances Systems	Agrotech Journal	internasional

		Anggota	Harli A. Karim Laode Asrul Baja S	Development of Climate Requirements for Compatibility of Land Cocoa in	Agriculture and Applied Biology 2020, Vol. 1, No. 1, 30–37	internasional
13	Dr. Ir. Nurlina Kasim, M.Si. 19620618 199103 2 001	Ketua	3. S. A. Syaiful 4. M. Riadi 5 Rinaldi Sjahril 6. N. Ahyani	Screening of eight mutants of Sinjai lokal red rice ( <i>Oryza sativa</i> ) to salinity stress	IOP Conference Series: Earth and Environmental Science	internasional
		Anggota	R Padjung, E Syam'un, F Haring, Kasim, Y Suni	Weeds diversity and the production of shallot ( <i>Allium ascalonicum</i> L.) due to the application of azolla fertilizers and oxyfluorfen	IOP Conference Series: Earth and Environmental Science	internasional
		Ketua	N Kasim, N Taufik, E Syam'un	Response of tomato plant on various concentrations and frequency of gibberellin	IOP Conference Series: Earth and Environmental Science	internasional
		Anggota	Kahar Mustari, Risman Arisandi, Nasaruddin,	( <i>Triticum aestivum</i> L.) mutant to low altitude growing condition	IOP Conference Series: Earth and Environmental	internasional
		Ketua	N Widiayani and A Revaldi	Growth and production of sixth generation of brown rice mutants in a high altitude location	IOP Conference Series: Earth and Environmental Science	internasional
		Anggota	1. Muh. Riadi (Ketua), 2. Rinaldi Sjahril (Anggota), 3. Maryati, 4. E Syam'un, 5. Rafiuddin and 6. S Dewi	Growth and production of three rice varieties ( <i>Oryza sativa</i> L.) in saline stress condition following halopriming and hydropriming treatment	IOP Conference Series: Earth and Environmental Science	internasional

14	Dr. Ir. Muh. Riadi, MP. 19640905 198903 1 003	Anggota	1. Abdul Mollah (Ketua) 2. A H Bahrin (Anggota) 3. Megananda P Sarahdibha (Anggota) 4. Nurfaida (Anggota) 5. Tigin Dariati (Anggota) 6. Cri Wahyuni Brahmi Yanti (Anggota)	Growth and production of purple waxy corn (Zea mays ceratina Kulesh) on the application of NPK fertilizers and humic acid	IOP (ICROEST 2020)	internasional
		Anggota	1. Ria Megasari (Ketua), 2. M. Darmawan (Anggota) 3. Rinaldi Sjahril (Anggota), 4. Erse Drawana Pertiwi (Anggota)	Pengujian Sistem Tanam Legowo Terhadap Hasil Padi Gogopengujian Sistem Tanam Legowo Terhadap Hasil Padi Gogo	Agrium Jurnal Ilmu Pertanian	akreditasi
15	Dr. Ir. Amir Yassi, M.Si. 19591103 199103 1 002	Anggota	Dian Yustia Kahar Mustari Tutuk Kuswinanti	ENDOPHYTIC FUNGI ORIGIN OF LOCAL RICE SINJAI AS A PLANT GROWTH	JOURNAL OF CRITICAL REVIEWS	internasional
		Anggota	Elkawakib Syam'un Nurjannah Ruslan Hari Iswoyo Ifayanti Ridwan Amir Yassi Tandu Ramba	Evaluation of CropSyst model in simulating the growth and production of Katokkon chili (Capsicum chinense Jacq)	IOP (ICROEST 2020)	internasional
		Anggota	Amir Yassi, Kaimuddin, Hari Iswoyo, Rahmansyah Dermawan, Ifayanti Ridwan, Tandu Ramba	Implementation of organic farming using local composting methods in two local rice varieties of Tana Toraja		internasional
16	Ir. Hj. A. Rusdayani Amin, MS. 19561211 198503 2 001	Anggota	Ifayanti Ridwan Muh. Farid BDR Yunus Musa Hatta Jamil Andi Rusdayani A Muhammad Fuad Anshori	SINHAS-1 Maize Seed Production Through Male-Female Ratio and Pruning Technique	Agrotech Journal	akreditasi

17	Ir. Rinaldi Sjahril, M.Agr, P.hD. 19660925 199412 1 001	Anggota	1. Ria Megasari (Ketua), 2. M. Darmawan, 3. Rinaldi Sjahril (Anggota), 4. M. Riadi, 5. Erse Drawana Pertiwi	Pengujian Sistem Tanam Legowo Terhadap Hasil Padi Gogopengujian Sistem Tanam Legowo Terhadap Hasil Padi Gogo	Agrium Jurnal Ilmu Pertanian	akreditasi
		Anggota	1. R Dermawan (Ketua), 2. Kaimuddin, 3. N E Dunga, 4. R Sjahril (Anggota), 5. A Mollah and 6. N S Yuniarti	Response of growth and development of butternut squash ( <i>Cucurbita moschata</i> ) to the combination of bioslurry and NPK fertilization	IOP Conf. Series: Earth and Environmental Science	internasional
		Ketua	1. Trisnawaty A. R 2. Muhammad Riadi 3. Rafiuddin 4. Tadashi Sato 5. Kinya Toriyama 6. Yoriko Hayashi 7. Tomoko Abe	Selection of Early Maturing and High Yielding Mutants of Toraja Local Red Rice Grown from M2-M3 Population after Ion Beam Irradiation	Hayati Journal of Bioscience	internasional
		Ketua	1. Muh. Riadi, 2. Ifayanti Ridwan, 3. Kasmia, 4. I Suryani and 5. AR Trisnawaty	Kinship of katokkon chili ( <i>Capsicum chinense</i> Jacq.) in Tana Toraja and North Toraja Regencies	IOP Conference Series: Earth and Environmental Science	internasional
		Anggota	1. A P Hanifa (Ketua), 2. J P Millner, 3. C R M Mc Gill and 4. Rinaldi Sjahril (Anggota)	Total anthocyanin, flavonoid and phenolic content of pigmented rice landraces from South Sulawesi.	IOP Conference Series: Earth and Environmental Science	internasional
			Ir. Rinaldi Sjahril, M.Agr, P.hD. 19660925 199412 1 001	Anggota	1. Muh. Riadi (Ketua), 2. Rinaldi Sjahril (Anggota), 3. Maryati, 4. E Syam'un, 5. N Kasim, 6. Rafiuddin and 7. S Dewi	Growth and production of three rice varieties ( <i>Oryza sativa</i> L.) in saline stress condition following halopriming and hydropriming treatment

		Anggota	1. Ifayanti Ridwan (Ketua), 2. Y Musa, 3. S Khadjiah,	Response of Soybean (Glycine max L.) to Arbuscular	IOP Conference Series: Earth and Environmental	internasional
		Anggota	1. Kasmiasi (Ketua), 2. Rinaldi Sjahril (Anggota), 3. M Riadi,	The effects of colchicine concentration and	IOP Conference Series: Earth and Environmental	internasional
		Anggota	1. Feranita Haring (Ketua), 2. S Rantetandung, 3. M Riadi, 4. Rafiuddin and	Selection of purification and formation of double haploid Toraja endemic	IOP Conference Series: Earth and Environmental Science	internasional
		Anggota	1. N Qalby (Ketua), 2. R Sjahril (Anggota), 3. A Dachlan and 4. A Sakae	Colchicine induced polyploidy in Common Ice plant Mesembryanthemum crystallinum L	IOP Conference Series: Earth and Environmental Science	internasional
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# Total anthocyanin, flavonoid and phenolic content of pigmented rice landraces from South Sulawesi

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## Abstract

The precious traits in the coloured grains of red, deep purple, or black has attracted more attention due to its health benefits. These health benefits have been attributed in part to phytochemicals in the rice seed, including phenolic, flavonoid and anthocyanins which are known as source of antioxidants. This study was aimed to investigate the content of total phenolic, flavonoid and anthocyanin from seventeen pigmented rice collected from the upland regions of Toraja, Enrekang and from lowland of Jeneponto, South Sulawesi. The grains were dehusked using handheld rice husker (Kett TR130) then were grinded into fine powder before extraction. Flavonoids and anthocyanins were quantified by UV-Vis

spectrophometry and total phenolic content was determined using Folin-Ciocalteu method. Results showed that black rice glutinous rice varieties from lowland (*Le 'leng*) had the highest content of total anthocyanins, flavonoids and phenolics.

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## **PREFACE: The International Conference on Sustainable Cereals and Crops Production Systems in the Tropics (ICFST)**

The International Conference on Sustainable Cereals and Crops Production Systems in the Tropics (ICFST) was held on 23-25 September 2019 in Makassar, Indonesia. The Conference was organized by Indonesian Agency for Agricultural Research and Development (IAARD)-Ministry of Agriculture of Indonesia, collaborated with International Maize and Wheat Improvement Center (CIMMYT) and Ministry of Research, Technology and Higher Education of Indonesia.

The theme of the conference is “Sustainable Agricultural Resources Management to Support Food Security and Industry 4.0” with the sub themes of Breeding and Biotechnology, Crop Production Systems, Pest and Disease Management, Post Harvest, Socio-Economy and Community Development. The conference was conducted in three days, two days of scientific session and one day of field visit to the Indonesian Cereals Research Institute. The conference facilitate the research community focusing in food crops and provide platform for scientists to meet and interact with each other to share their knowledge and their research results along with the obstacles and challenges they faced in their development, achievement as well as experiences through the presentation of papers and discussion. This international conference is also an event to establish cooperation in the development of food crops research in the future as well as enhancing the knowledge of environmental protection with the current agricultural technologies.

We would like to convey our deepest gratitude to the Minister of Agriculture of Indonesia, Keynote Speakers: Dr B.M. Prasanna (Director of CIMMYT’s Global Maize Program & the CGIAR Research Program), Prof. Dr Machito Mihara (Tokyo Agricultural University), Thomas E. Anderson, PhD (US Department of Agriculture), Prof Roger Shivas (University of Southern Queensland), Prof Bunyamin Tar’an (University of Saskatchewan Canada), sponsors, organizing committee and also to all participants.

We also would like to express our deepest gratitude to the Indonesian Agency for Agricultural Research and Development (IAARD) conducted such conference. We are looking forward to the 2<sup>nd</sup> ICFST that will be held on September 2020 in *Bali Island*. We expect that these future ICFST conference will be as stimulating as this most recent one was, as indicated by the contributions presented in this proceedings volume.

Makassar, 23-25 September 2019

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