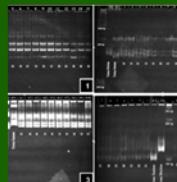




Volume 6 no. 2 August 2021

## ARTICLES



- Evaluation of the crossings between local and drought-tolerant rice varieties using simple sequence repeat (SSR) molecular marker 68

Aditya Wahyudhi, Lintang Restu Pratiwi, and Panjisakti Basunanda



- Tuber yield, morphology, and chemical properties variability of sweet cassava germplasm 77

Tinuk Sri Wahyuni and Kartika Noerwijati



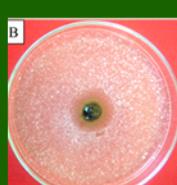
- Morphological characterization of six Lombok upland rice cultivars 88

Baiq Sri Hartina, Rani Agustina Wulandari, and Panjisakti Basunanda



- Productivity and profitability of peanut at various land suitability in North Lombok Regency 99

Ahmad Suriadi, Fitria Zulhaedar, and Moh. Nazam



- Rutaceae: conservation at Eka Karya Bali Botanic Garden and its *in vitro* antifungal activity 108

I Putu Agus Hendra Wibawa, Arrohmatus Syafaqoh Li'aini, Putri Sri Andila, and Frelyta Ainuz Zahro'



- Amylose profile and rice grain morphology of selected F6 lines derived from a crossing of Black Rice and Mentik Wangi for the development of waxy pigmented rice 117

Eka Oktaviani, Suprayogi, and Zulfa Ulinnuha



- Chromosomes status and yield characteristics of soybean (*Glycine max* L. (Merr)) in saline soil as affected by induced mutation 124

Agus Pernando Simanjuntak, Diana Sofia Hanafiah, and Luthfi Aziz Mahmud Siregar

**ILMU PERTANIAN**  
**(AGRICULTURAL SCIENCE)**  
**ISSN : 0126-4214 (Print) e-ISSN : 2527-7162 (Online)**  
**Vol. 6 No.2 August 2021**

Ilmu Pertanian (Agricultural Science) is a scientific, open access, peer-reviewed journal and provides publications of novel research in all aspect of tropical agricultural science with the scope of smart agriculture, agronomy, plant science, soil science, genetics and plant breeding, biotechnology in plant breeding, plant technology, and plant productions. Ilmu Pertanian (Agricultural Science) is published three times annually, April, August, and December.

Ilmu Pertanian (Agricultural Science) is nationally accredited with Sinta 2 as a scientific journal by the Ministry of Research-Technology and the Higher Education Republic of Indonesia: 48a/E/KPT/2017 Period: 2017-2021.

**EDITORIAL TEAM**

**Editor in Chief**

Dr. Rudi Hari Murti , S.P., M.P. (Universitas Gadjah Mada, Indonesia)

**Editorial Board**

Prof. Dr. Irwandi Jaswir (International Islamic University Malaysia, Malaysia)

Dr. Endang Septiningsih (Texas A&M University, United States of America)

Dr. Chee How Teo (University of Malaya, Malaysia)

Dr. Sastia Prama Putri (Osaka University, Japan)

Dr. Kim Kyung Min (Kyungpook National University, Republic of Korea)

Dr. Bunyamin Tar'an (University of Saskatchewan, Canada)

Dr. Agung Wahyu Susilo (Indonesian Coffee and Cocoa Research Institute, Indonesia)

Dr. Shinto Wahyuning Ardie, S.P., M.Si. (Institut Pertanian Bogor, Indonesia)

Dr. Ir. Benito Heru Purwanto (Universitas Gadjah Mada, Indonesia)

**Associate (Handling) Editors**

Widhi Dyah Sawitri, S.Si., M.Agr., Ph.D. (Universitas Gadjah Mada, Indonesia)

Nur Ainun Harlin Jennie Pulungan, S.Si., M.Sc., Ph.D. (Universitas Gadjah Mada, Indonesia)

Dr. Dyah Weny Respatie, S.P., M.Si. (Universitas Gadjah Mada, Indonesia)

Enik Nurlaili Afifah, S.P., M.Sc. (Universitas Gadjah Mada, Indonesia)

**Editorial Assistants**

Eka Candra Wardani, S.P. (Universitas Gadjah Mada, Indonesia)

Sri Junandi, S.I.P. (Universitas Gadjah Mada, Indonesia)

Laili Hidayah, M.A. (Universitas Gadjah Mada, Indonesia)

Palupi Jatuasri, S.P. (Universitas Gadjah Mada, Indonesia)

**PUBLISHERS**

Faculty of Agriculture, Universitas Gadjah Mada

Perhimpunan Sarjana Pertanian Indonesia (PISPI)

**EDITORIAL ADDRESS**

Faculty of Agriculture, Universitas Gadjah Mada

Jl. Flora, Bulaksumur, Yogyakarta 55281, Indonesia

Phone/Fax: 62-274-563062, +628112632106

E-mail: [jip.faperta@ugm.ac.id](mailto:jip.faperta@ugm.ac.id)

