



AGRINIKA

Jurnal Agroteknologi dan Agribisnis

<http://ojs.unik-kediri.ac.id/index.php/agrinika/index>

2025. 9 (1): i-vi

p - ISSN 2579 - 3659

e - ISSN 2721 - 2807

Volume 9 Issue 1: March 2025

Focus and Scope

Agrinika is a peer-review scholarly publication that publishes research articles and critical reviews from every area of agricultural sciences and plant science. The scope of the journal includes agricultural socioeconomics and management, agricultural extension, agricultural engineering, plant production, plant breeding, plant protection, food science and technology, as well as other areas of agriculture such as biology, forestry, fishery, and animal husbandry. Manuscripts in those fields are welcome to be submitted and reviewed in this journal.

Peer review process

Every manuscript submitted to Agrinika will be reviewed by the reviewer. This journal uses a double-blind review, which means the identities of the authors are concealed from the reviewer(s), and vice versa. The review process will consider new things, objectivity, methods, scientific impact, conclusions, and references. All manuscripts submitted to this journal must follow the focus and scope, and author guidelines of this journal. Fair play of reviewers, that all manuscripts are evaluated in fairness based on the intellectual content of the paper regardless of gender, race, ethnicity, religion, citizenry, or political values of authors.



AGRINIK

Jurnal Agroteknologi dan Agribisnis

<http://ojs.unik-kediri.ac.id/index.php/agrinika/index>

2025. 9 (1): i-vi

p - ISSN 2579 - 3659

e - ISSN 2721 - 2807

Editorial Team for Volume 9 Issue 1: March 2025

Editor in Chief		
Nina Lisanty	Universitas Kediri	Socioeconomic Agriculture
Journal Manager		
Muhammad Muharram	Universitas Kediri	Agronomy
Section Editor		
Anna Setyana Karyawati	Universitas Brawijaya	Agronomy
Dhanang Eka Putra	Politeknik Negeri Jember	Socioeconomic Agriculture
Dwi Larasatie Nur Fibri	Universitas Gajah Mada	Food Technology
Ihsannudin	Universitas Jember	Socioeconomic Agriculture
Devina Cinantya Anindita	Politeknik Negeri Jember	Plant Pest and Disease
Marosimy Millaty	Universitas NU Yogyakarta	Socioeconomic Agriculture
Tri Prajawahyudo	Universitas Palangka Raya	Socioeconomic Agriculture
Aptika Hana Prastiwi Nareswari	Universitas Kediri	Horticulture
Layout Editor		
Basnendar Herry Prilosadoso	Institut Seni Indonesia Surakarta	Design of Visual Communication
Putri Kumala Dewi	Universitas Kediri	Plant Biology
Copyeditor		
Fajrin Pramana Putra	Politeknik Lamandau	Agronomy
Proofreader		
Muhammad Maftukhan	Universitas Kediri	Linguistic
Reviewer		
Amir Naeimi	University of Zanjan	Supply Chain Management
Aneta Lyubenova	AgroBio Institute	Plant Pest and Disease
Arissaryadin	Universitas Kediri	Agriculture Extension
Asgar Bagheri	University of Mohaghegh Ardabili, Iran	Agriculture Extension, Rural Development
Baan Twaij	Mustansiriya University	Plant Physiology



Edi Dwi Cahyono	Universitas Brawijaya	Socioeconomic Agriculture
Edmar Franquera	Tarlac Agricultural University	Agronomy
Hasnah	Universitas Andalas	Socioeconomic Agriculture
Ida Ekawati	Universitas Wiraraja	Organic Agriculture
Jessica Cuartero	Swiss Federal Institute for Forest, Snow and Landscape Research	Soil Science
Ndan Imang	Universitas Mulawarman	Socioeconomic Agriculture
Raja Asad Ali Khan	Hainan University	Plant Protection
Soetriono	Universitas Jember	Socioeconomic Agriculture
Suci Wulandari	Badan Riset dan Inovasi Nasional	Agribusiness
Tri Handoyo	Universitas Jember	Plant Biochemistry
Yudhy Harini Bertham	Universitas Bengkulu	Soil Biology



AGRINIKA

Jurnal Agroteknologi dan Agribisnis

<http://ojs.unik-kediri.ac.id/index.php/agrinika/index>

2025. 9 (1): i-vi

p - ISSN 2579 - 3659

e - ISSN 2721 - 2807

Preface

Agrinika is the official publication of the Agriculture Faculty of Kediri University. The journal publishes 2 issues per year in March and September each year. First published in March 2017, Agrinika already has both printed and online ISSN, for ISSN (Print) is 2579-3659 and ISSN (Online) is 2721-2807. The journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

The editorial goal is to provide a forum for strengthening better insight into the area of agriculture and other related issues all over the world. The articles submitted to Agrinika were peer-reviewed by at least two reviewers. All papers published by Agrinika are open to a reader and anyone can download or read our online journal without payment or subscription. The website address is <http://ojs.unik-kediri.ac.id/index.php/agrinika/index>

Agrinika is delighted to launch Volume 9 Issue 1: March 2025. The edition consists of 8 articles within the journal scope. Appreciation to all the Editorial Team of Agrinika along with the reviewers who took the time to improve the quality of scientific articles for this edition. Hopefully, Agrinika can contribute more to the dissemination of science and technology in the next edition.

Editor-in-Chief
Nina Lisanty



Table of Contents

Cover	o
Focus and Scope	i
Peer Review Process	i
Editorial Team	ii
Preface	iv
Table of Contents	v
Operational Risk Management Analysis Using Enterprise Risk Management (ERM) at PT Petrokimia Gresik. Naura Firdausy, Sri Tjondro Winarno, Risqi Firdaus Setiawan	1-14
Level of Household Food Composition Variety: A Case Study in East Java with Shannon Index. Salsabillah Alif Rizkyah, Noor Rizkiyah, Fatchur Rozci	15-22
The Influence of Taste, Packaging and Price on Purchasing Decisions of Pie Ngalam Heritage Products, Malang, East Java. Tirta Yoga, Ninin Khoirunnisa'	23-36
Optimization of Analog Meat Formula Made from "Gepak Kuning" Soybean Flour, Carrageenan, and Pectin Using the Mixture Design Method. Lailatul Azkiyah, Ning Puji Lestari, Indarto, Giyarto, Naila Alfi Ngizati	37-46
Factors Influencing Farmer's Decisions to Switch Apple to Orange Farming in Bulukerto Village, Bumiaji Sub-district, Batu City. Talitakum Talitakum, Ida Syamsu Roidah, Mirza Andrian Syah	47-63
Multidimensional Poverty of Rice Farming Workers' Households in Bengkulu City. Susi Lastris, Gita Mulyasari, Agung Trisusilo	64-75
Horticultural Supply Chain Models: Strategies, Challenges, and Marketing Approaches. Azmi, Rika Ampuh Hadiguna, Jonrinaldi	76-100



AGRINIK

Jurnal Agroteknologi dan Agribisnis

<http://ojs.unik-kediri.ac.id/index.php/agrinika/index>

2025. 9 (1): i-vi

p - ISSN 2579 - 3659

e - ISSN 2721 - 2807

Mapping Agricultural Research on Peatlands: A Bibliometric Analysis of Trends and Gaps (2004–2024).
I Gede Suhartawan, Zakia Putri Sulaiman 101-114

Optimizing Seedling Media for Tomato (*Lycopersicum esculentum* Mill.) Cultivation.
Saptorini, Supandji, Wahyu Widiyono, Chendy Tafakresnanto, Intan Permata Sari, Niko Prisma Putra 115-123

Optimizing Slaughterhouse Waste as Liquid Organic Fertilizer: An Organic Solution to Enhance Cayenne Pepper Production.
Hariyanto, Nugraheni Hadiyanti, Edy Kustiani, Agung Wilis Nurcahyo 124-134

Factors that Influence the Growth of the Indonesian Economy.
Achadyah Prabawati, Siti Husnul Hotima, Ningrum Suryadinata, Rohim, Rizqyna Ega Aulia 135-148

Enhancing Hydroponic Farming with IoT: Empowering Innovative and Speculative Young Farmers.
Anis Fuad Salam, Kartina AM, Mirajiani 149-157