

5/4/94

ISSN: 0126 — 4214

Volume V

No. 4

1994

ILMU PERTANIAN

(Agricultural Science)



Diterbitkan oleh:

Fakultas Pertanian Universitas Gadjah Mada

Published by

Faculty of Agriculture, Gadjah Mada University

Sekip Unit 1, P.O. Box 1 - Yogyakarta 55281 - Indonesia

ILMU PERTANIAN (AGRICULTURAL SCIENCE)

DEWAN REDAKSI (Editorial Board)

KETUA (Chief Editor)	: Edhi Martono
SEKRETARIS (Managing Editor)	: Ageng Setiawan Herianto
ANGGAUTA (Associate Editor)	: Djoko Mulyanto Soesamto Suprijanto N Kamiso Handoyo Nitimulyo Triwibowo Y.
Pembantu Administrasi (Assistant Administrator)	: Titik Retnowati Titik Hermini

Majalah "Ilmu Pertanian" diterbitkan sebagai pemberitaan hasil-hasil penelitian dan pemikiran ilmiah dalam lapangan pertanian dari anggauta-anggauta Staf Pengajar dan Alumni Fakultas Pertanian, Universitas Gadjah Mada, Yogyakarta serta ahli-ahli lain dalam bidang ilmu pertanian.

Majalah ini diterbitkan secara tidak berkala Satu jilid terdiri atas 8 (delapan) nomor. Nomor ini dapat diperoleh dengan harga Rp untuk luar negeri dengan nilai kurs uang yang berlaku.

Harga-harga nomor berikutnya akan ditentukan lagi sesuai dengan biaya-biaya penerbitannya.

Semua surat menyurat harap dialamatkan:

Redaksi "Ilmu Pertanian" d/a Perpustakaan Fakultas Pertanian, Universitas Gadjah Mada, Jalan Sekip, P.O. Box 1, Yogyakarta 55281.

The "Agricultural Science" is designed for the publication of studies and researches in the field of Agriculture and related sciences conducted by the faculty members and alumni of the Faculty of Agriculture, Gadjah Mada University. It is also open for other contributors.

This journal is published irregularly. Each volume consists of eight number.

This number could be obtained at the price Rp or its equivalence in foreign currency. Subsequent numbers will be priced separately according to the cost of printing.

Manuscripts and all correspondence on editorial matters as well as subscription orders (payable in advance) should be addressed to:

the Editor, c/o The Library, Faculty of Agriculture, Gadjah Mada University.
Jalan Sekip, P.O. Box 1, — Yogyakarta, 55281 Indonesia.
Telp. (0274) 63062.

ILMU PERTANIAN
(Agricultural Science)

Volume V

No. 4

1994

Isi
(Contents)

	Halaman (Page)
Notice	697
Ngadiman Identification of an Antagonistic Actinomycete and Its Use in The Biocontrol of Potato Scab	699
Tosihiko Hukuhara, Yasuhisa Kunimi, Witjaksono and Arman Wijonarko A Nuclear Polyhedrosis Virus of <i>Hyposidra Talaca</i> (Walker)	709
Djoko Muljanto Kemampuan Merestorasi Sistem Perakaran dan Aktivitas Fik- sasi N ₂ pada Tanaman Clover Putih (<i>Trifolium repens L.</i>) Setelah Mengalami Defoliiasi Berat (The Restoration Capacity of Root Systems and Nitrogen Fixation on White Clover (<i>Trifolium repens L.</i>) Following a heavy Defoliation)	713
Rachman Sutanto Karakteristik Mikromorfologi Pedon Tanah Sawah yang Ber- kembang pada Endapan Abu Vulkanik Gunung Merapi (<i>Micromorphological Characteristics of Paddy Soil Profiles</i> <i>Developed On Volcanic Ash Deposits of Mt. Merapi</i>)	725
Siti Subandiyah, Triwibowo Yuwono and Wayan T. Artama The Use of Pulse Field Gel Electrophoresis For Megaplasmid Isolation of <i>Pseudomonas solanacearum</i>	737
Kamiso H.N., Triyanto dan Sri Hartati Karakteristik <i>Aeromonas hydrophila</i> pada Ikan Lele (<i>Clarias</i> <i>sp.</i>) di Daerah Istimewa Yogyakarta dan Jawa Tengah Selatan (<i>Characteristics of Aeromonas hydrophila on Catfish, Clarias</i> <i>sp., in Yogyakarta Special Territory and South Central Java</i> <i>Province</i>)	743

ILMU PERTANIAN (Agricultural Science)

1994

No. 4

Volume V

Isi (Contents)

Halaman (Page)	
697	Notice
699	Ngdiman Identification of an Antagonistic Actinomycete and Its Use in The Biocontrol of Potato Scab
709	Tohiko Hukuhara, Yasuhisa Kunimi, Wijiaksono and Arman Wijonarko A Nuclear Polyhedrosis Virus of <i>Hyposidra talata</i> (Walker)
713	Djoko-Muljanto Kemampuan Neterostasi Sistem Perakaran dan Aktivitas Fik- sasi N ₂ pada Tanaman Clover Putih (<i>Trifolium repens</i> L.) Setelah Mengalami Defoliasi Berat (The Restoration Capacity of Root Systems and Nitrogen Fixation on White Clover (<i>Trifolium repens</i> L.) Following a heavy Defoliation)
722	Rachman Sutanto Karakteristik Mikromorfologi Pedon Tanah Sawah yang Ber- kembang pada Endapan Abu Vulkanik Gunung Merapi (Mikromorphological Characteristics of Paddy Soil Profiles Developed On Volcanic Ash-Deposits of Mt. Merapi)
737	Siti Subandiyah, Triwibowo Yuwono and Wyan T. Atman The Use of Pulse Field Gel Electrophoresis For Megaspasmid Isolation of <i>Pseudomonas solanacearum</i>
743	Kamiso H.N., Triyanto dan Siti Hartati Karakteristik <i>Aeromonas hydrophila</i> pada Ikan Lele (<i>Clarias sp.</i>) di Daerah Istimewa Yogyakarta dan Jawa Tengah Selatan (Characteristics of <i>Aeromonas hydrophila</i> on <i>Clarias</i> <i>sp.</i> in Yogyakarta Special Territory and South Central Java Province)

NOTICE

This latest edition is issued with apologies, as the word "latest" would have meant "very, very late". May be there should be special committee or board of editors, whose business would not interfere with journal publication. Actually we didn't look at our task as burdensome, but it is possible that our time management system need to be improved. We even believe it is imperative that we need a better system than the one we have now. Therefore we are open to your suggestions, opinions, and, one way or another, your impatiences, irks and angers.

The routine but borrowed-time-based activities has also caught us. You may find errors and mistakes, although we think we tried hard to avoid them. Should you happen to find them, either yours or someone else's, please feel free to send any comments and correction. Without your attention we may get away with all the wrongdoings.

Have a good time doing research and the result.

Yogyakarta, August 1994

Edhi Martono

Chief Editor

NOTICE

The latest edition is issued with apologies, as the word "latest" would have meant "very, very late." May be there should be special committee or board of editors, whose business would not interfere with journal publication. Actually we didn't look at our task as burden-some, but it is possible that our time management system need to be improved. We even believe it is imperative that we need a better system than the one we have now. Therefore we are open to your suggestions, opinions, and one way or another, your impatience, rks and anger.

The routine but borrowed-time-based activities has also caught us. You may find errors and mistakes, although we think we tried hard to avoid them. Should you happen to find them, either yours or someone else's, please feel free to send any comments and correction. Without your attention we may get away with all the wrongdoings.

Have a good time doing research and the result.

Yogyakarta, August 1994

Edhi Marlono
Chief Editor