

PENELUSURAN PUSTAKA

Tujuan instruksional khusus

Setelah mengikuti kuliah ini, mahasiswa akan dapat menjelaskan cara penelusuran pustaka ilmiah.



Subpokok bahasan

- ◎ Pengenalan perpustakaan
- ◎ Sumber informasi
- ◎ Penelusuran pustaka melalui Internet



© Pengenalan perpustakaan


★ Meja pelayanan

★ Katalog koleksi perpustakaan




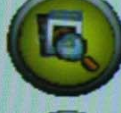

- Katalog kartu (sekarang sudah dibuat katalog dalam jaringan [*daring/online*])
 - Katalog pengarang
 - Katalog judul
 - Katalog subjek
- Katalog daring (OPAC: *On-line Public Access Catalog*)




- Halaman muka OPAC di Perpustakaan Pusat IPB

 **Online Public Access Catalogue**
Perpustakaan Institut Pertanian Bogor

Pilih Koleksi Pencarian

-  Penelusuran dengan Istilah Anda
-  Penelusuran dengan Kamus Istilah
-  Pencarian Subjek
-  Pencarian Judul
-  Pencarian Pengarang



- Memilih koleksi pencarian



Online Public Access Catalogue

Perpustakaan Institut Pertanian Bogor

Pilih Koleksi Pencarian

SKRIP
RPS
BUKU
DISER
LP
MJL
MMA
PAU
PKSPL

Penelusuran dengan Kamus Istilah

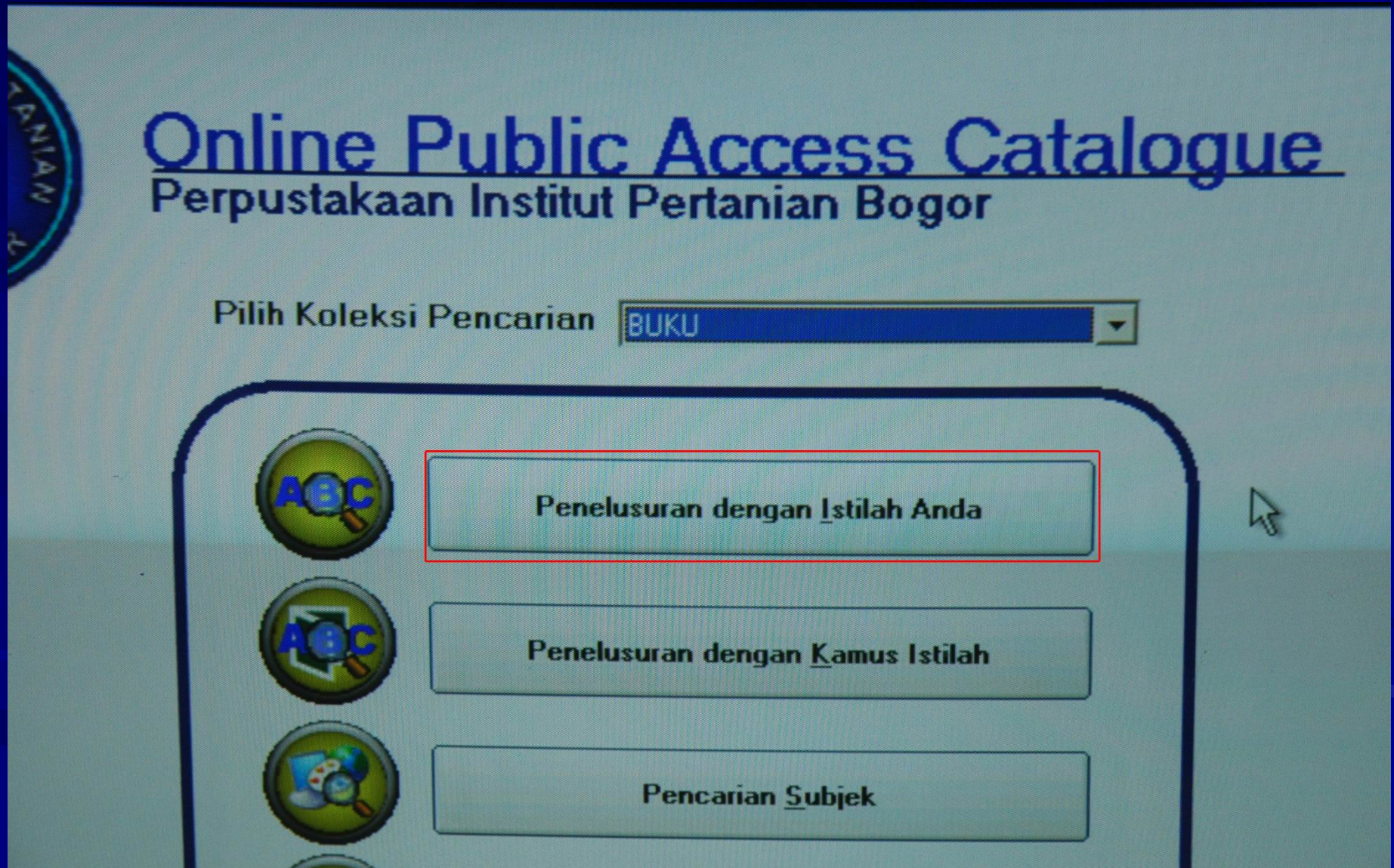
Pencarian Subjek

Pencarian Judul

Pencarian Pengarang

Memilih koleksi "BUKU"

- Menelusuri koleksi buku dengan istilah yg ditentukan sendiri



Online Public Access Catalogue
Perpustakaan Institut Pertanian Bogor

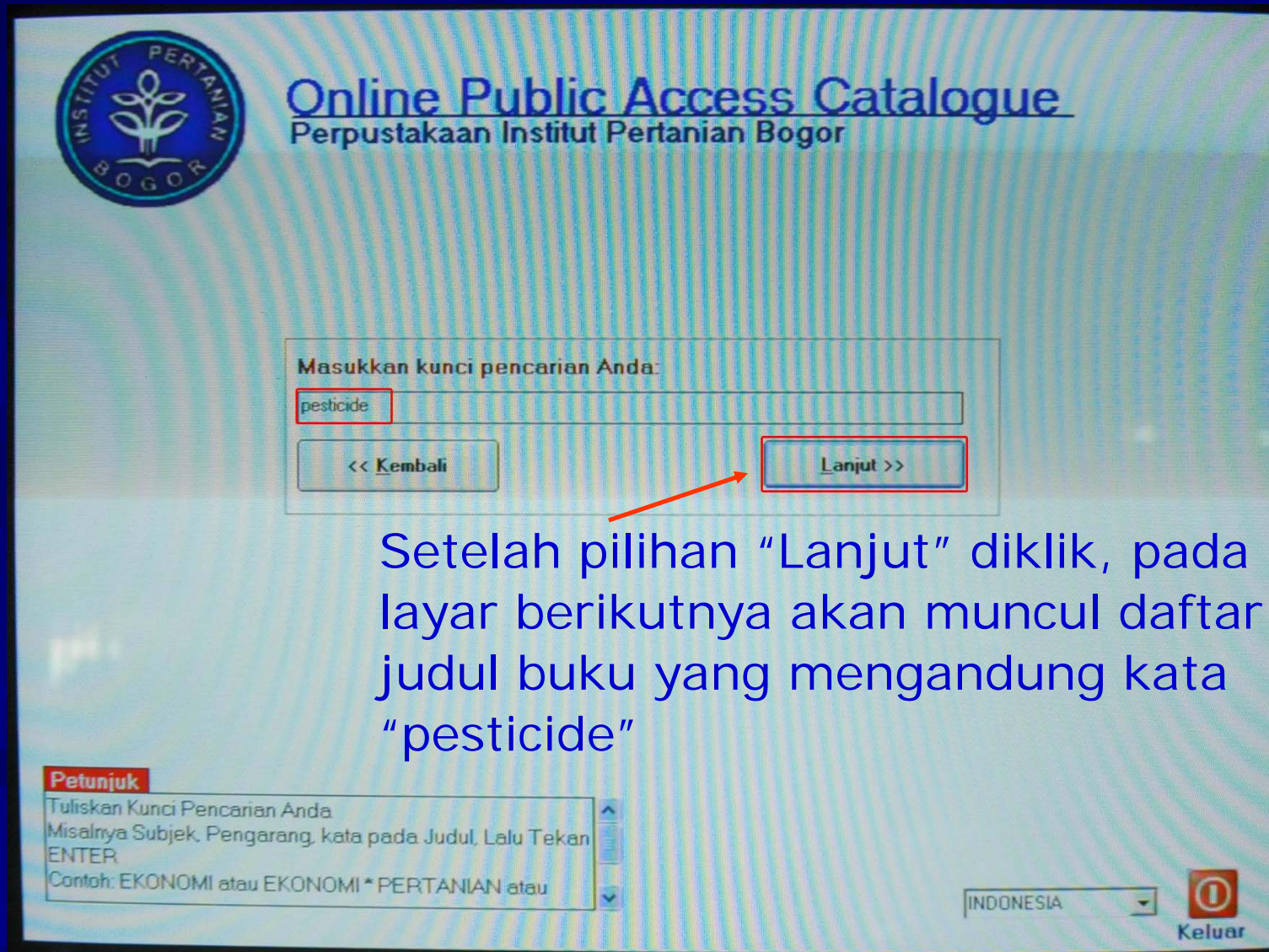
Pilih Koleksi Pencarian

ABC Penelusuran dengan Istilah Anda

ABC Penelusuran dengan Kamus Istilah

ABC Pencarian Subjek

- Menggunakan kata kunci “pesticide” untuk menelusuri koleksi buku



Online Public Access Catalogue
Perpustakaan Institut Pertanian Bogor

Masukkan kunci pencarian Anda:

pesticide

<< Kembali Lanjut >>

Setelah pilihan “Lanjut” diklik, pada layar berikutnya akan muncul daftar judul buku yang mengandung kata “pesticide”

Petunjuk
Tuliskan Kunci Pencarian Anda
Misalnya Subjek, Pengarang, kata pada Judul, Lalu Tekan ENTER.
Contoh: EKONOMI atau EKONOMI *PERTANIAN atau

INDONESIA Keluar

◎ Pengenalan perpustakaan (*lanjutan*)

- ★ Referensi umum
- ★ Buku
- ★ Koleksi khusus (*reserve*)
- ★ Jurnal dan majalah
- ★ Koleksi bukan cetakan
- ★ Layanan peminjaman antarperpustakaan (belum ada)
- ★ Fotokopi
- ★ Internet, e-mail



© Sumber informasi

★ Koleksi perpustakaan

• Cetakan

- Referensi umum: ensiklopedia, kamus, manual bibliografi, *handbook*, dll.
- Abstrak dan indeks
- Buku dan monograf
- Penerbitan berkala: jurnal, majalah
- Penerbitan pemerintah
- Peta, koleksi khusus, dan arsip
- Penerbitan *microform* (di IPB tidak ada)

★ Koleksi perpustakaan (*lanjutan*)

- Elektronik

- CD-ROM: bibliografi, buku, manual, abstrak, dll.
- Multimedia (slides, video, dll.)



Contoh penelusuran pustaka dengan menggunakan
CD-ROM pangkalan data artikel jurnal, misal TEEAL
(The Essential Electronic Agricultural Library)

Koleksi CD-ROM TEEAL terdapat di bagian penelusuran
elektronik Perpustakaan Pusat IPB



- Memilih *TEEAL Collection* yg terdapat pada layar komputer



- Halaman muka *TEEAL*

The screenshot shows a web browser window titled "Folio Views - [TEEAL Information Retrieval System]". The browser's address bar and menu bar are visible. The main content area is framed in red and contains the following text:

The TEEAL Information Retrieval System

Developed by

The Mann Library at Cornell University
Ithaca New York - USA

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[Click Here to Search the TEEAL Collection](#)

THE ESSENTIAL ELECTRONIC AGRICULTURAL LIBRARY would not be possible without the continued and diligent support of the Rockefeller Foundation, and Dr. Robert W. Herdt, formerly its Director of Agricultural Sciences and currently Adjunct Professor, Department of Applied Economics and Management, Cornell University. His insight and staunch understanding of agricultural progress were instrumental in creating this effort.

The publishers of the journals and the providers of indexing were also key to the development of this landmark compilation of literature. Without their interest and concern for agricultural advancement in developing and poor countries, this project could not have the quality and depth it demonstrates.

FUND PROVIDERS

Special thanks go to the development agencies that play a vital role in distributing TEEAL to the universities and research institutions seeking to acquire it. The following have provided grants or allowed ongoing project funds to be used in the purchase of TEEAL sets:

At the bottom of the browser window, the status bar shows "Record: 1 / 856,568 Hit: 0 / 0 Query:". The Windows taskbar is visible at the very bottom, showing the Start button, several open folders (C:\Documen..., F:\), and application icons for Adobe Photosh... and Folio Views -... The system clock shows 11:42.

• Memilih *Basic Search*

Folio Views - [TEEAL Information Retrieval System]

File Edit View Search Help

Browse Doc

- Basic Search... Ctrl+1
- Advanced Search... F2
- Clear Query
- Next Hit F5
- Previous Hit Shift+F5
- Go Back F6
- Go Forward Shift+F6

TEEAL Information Retrieval System

Developed by

The Mann Library at Cornell University
Ithaca New York - USA

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[Click Here to Search the TEEAL Collection](#)

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FUND PROVIDERS

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Basic Search Template

start C:\Documen... F:\ Adobe Phot... Folio Views -... EN 11:42

- Menelusuri artikel jurnal, misal tentang *Piper cubeba*

The screenshot shows a web browser window titled "Folio Views - [TEEAL Information Retrieval System]". The main content area displays a "TEEAL Search" dialog box. The "Search Fields" section is circled in red and labeled with a red "1". The "Keywords (all fields)" field contains the text "piper cubeba". To the right of the input fields is a dropdown list of search suggestions, with "cubeba" highlighted. Below the input fields, there are fields for "Title", "Author", "Affiliation", "Descriptors", "Abstract", "Journal", and "Subject Code". The "Year" and "Language" fields are also present. At the bottom of the dialog, there is a "Search" button circled in red and labeled with a red "2". The status bar at the bottom of the browser window shows "Record: 1 / 856.568 Hit: 0 / 0 Query:".

Search Fields

Keywords (all fields) piper cubeba

Title

Author: AND

Affiliation:

Descriptors

Abstract

Journal

Subject Code:

Year: Language

piper - 207
cubeba - 4 & - 2

Checked Branches

Records with hits - 2

Search Cancel Clear All Fields

Previous Search
Next Search

Search Fields

cubana
cubanacan
cubane
cubanes
cubanus
cubarsi
cubas
cuba's
cubatao
cabbage
cube
cubeb
cubeba
cubebanes
cubebanol
cubebene
cubebin
cubebol
cubed
cubeddu
cubellis
cubenene
cubenol
cubense
cubensis
cuber

Record: 1 / 856.568 Hit: 0 / 0 Query:

start C:\Documen... F:\ Adobe Phot... Folio Views -... EN 11:44

The screenshot shows the Folia Views application window titled "Folia Views - [TEEAL Information Retrieval System]". The interface includes a menu bar (File, View, Search, Help) and a toolbar with buttons for "Browse", "Document", and "Citation List". The "Citation List" button is circled in red. Below the toolbar, a list of search results is displayed. The first result is highlighted in blue and contains the following information:

- Title: Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety
- Source: Entomologia Experimentalis Et Applicata. 2002. 104 (1). 51-60
- Year: 2002
- Author(s): Harmatha J, Nawrot J
- CD: 384
- Abstract: The antifeedant activity of a series of lignan lactones, hemiacetals, ethers, and alcohols derived from yatein and cubebin, together with structurally related phenylpropanoids and phenolics possessing a methylenedioxyphenyl (piperonyl) moiety, was tested against selected stored products pests: Sitophilus granarius L. ...

The second result is also visible:

- Title: Oxygenated cyclohexanes from Piper cubeb
- Source: Phytochemistry. 1996. 41 (4). 1097-1099
- Year: 1996
- Author(s): Koul J L, Koul S K, Taneja S C, Dhar K L
- CD: 56
- Abstract: Two new minor oxygenated cyclohexanes, (-)-piperenol C and (+)-piperenol A-triacetate, were isolated from the petrol extract of P. cubeb [P. cubeba]. In addition, 2 rare neolignans were isolated for the first time this species and identified as (-)-kadsurin A and (-)-piperenone

At the bottom of the window, the status bar shows "Record: 1 / 2", "Hit: 1 / 2", and "Query: piper cubeba". The Windows taskbar at the very bottom shows the start button, several open applications (C:\Documen..., F:\, Adobe Phot..., Folia Views -...), and the system tray with the time 11:44.

Ditemukan dua artikel jurnal tentang *Piper cubeba* (yg ada di dalam koleksi TEEAL di Perpustakaan Pusat IPB), dan memilih artikel pertama. Selain pilihan *Citation List* (daftar artikel jurnal yg dicari), pada baris menu dapat bolak-balik pada pilihan *Browse* (penelusuran) dan *Document* (melihat data artikel)

- Data-data artikel jurnal yg dipilih beserta abstraknya

The screenshot shows a web browser window titled "Folio Views - [TEEAL Information Retrieval System]". The browser's address bar shows "Browse" and "Document" tabs. The main content area displays the following information:

Author Affiliation: HARMATHA J,ACAD SCI CZECH REPUBL,INST ORGAN CHEM & BIOCHEM,FLEMINGOVO NAM 2; PRAGUE 16610, CZECH REPUBLIC.
Acad Sci Czech Republ, Inst Organ Chem & Biochem, Prague 16610, Czech Republic. Inst Plant Protect, PL-60318 Poznan, Poland

Other Title: Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety

Abstract: The antifeedant activity of a series of lignan lactones, hemiacetals, ethers, and alcohols derived from yatein and cubebin, together with structurally related phenylpropanoids and phenolics possessing a methylenedioxyphenyl (piperonyl) moiety, was tested against selected stored products pests: *Sitophilus granarius* L. (Coleoptera: Curculionidae), *Tribolium confusum* Duv. (Coleoptera: Tenebrionidae), and *Trogoderma granarium* Ev. (Coleoptera: Dermestridae). The relation between molecular structure and antifeedant activity was examined and implication of the piperonyl moiety is assessed. The compounds represent either natural substances isolated from plants (*Libocedrus yateensis* Guillaumin and *Piper cubeba* L.) or their structural analogues prepared by simple chemical transformations as well as compounds selected from commercially available sources. Natural lignan lactones with methoxy and/or methylenedioxy substituents showed significant activity that is strong enough to affect plant insect interactions. Presence of polar substituents, especially hydroxy or glycosyl groups, often reduce the activity. Non-polar substituents, such as methoxy or methylenedioxy groups, enhance the activity not only in lignans but also in simple phenylpropanoids. The most active compound was synthetic piperonylbutoxide

Descriptors: *Sitophilus granarius*; *Tribolium confusum*; *Trogoderma granarium*; insect feeding deterrents; antifeedants; lignans; phenylpropanoids; phenolics; yatein; hinokinin; cubebin; podophyllotoxin; piperonylbutoxide neolignans; analogs; antifeedants; piperaceae; coleoptera; products; terpenes; saffrole

ISSN: 0013-8703

Year: 2002

Journal Title: Entomologia Experimentalis et Applicata

Title: Oxygenated cyclohexanes from *Piper cubeba*

View Article: [Phytochemistry. 1996. 41 \(4\). 1097-1099](#)

CD-ROM: 56

Record: 1 / 2 Hit: 1 / 2 Query: piper cubeba

The Windows taskbar at the bottom shows the start button, several open applications (C:\Documen..., F:\), Adobe Phot..., and Folio Views - ... with the system clock at 11:44.

• Pilihan penelusuran jurnal dalam TEEAL

The screenshot displays the TEEAL Information Retrieval System interface. The window title is "Folio Views - [TEEAL Information Retrieval System]". The menu bar includes "File", "View", "Search", and "Help". The "Browse" button is circled in red. Below the menu bar is a list of journals, each with a checkbox and a small icon. The "Credits and Information" journal is selected. The right pane shows the details for a specific record, including the author, affiliation, other title, abstract, and descriptors.

Author: HARMATHA J,ACAD SCI CZECH REPUB,INST ORGAN CHEM &
Affiliation: BIOCHEM;FLEMINGOVO NAM 2; PRAGUE 16610, CZECH REPUBLIC.
Acad.Sci Czech Republ, Inst Organ Chem & Biochem, Prague 16610, Czech Republic. Inst Plant Protect, PL-60318 Poznan, Poland

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Record: 1 / 173 Hit: 1 / 2 Query: piper cubeba

start C:\Documen... F:\ Adobe Phot... Folio Views -... EN 11:45

- Artikel lengkap dapat dicari di dalam CD TEEAL vol tertentu

Folio Views - [TEEAL Information Retrieval System]

File View Search Help

Browse Document Citation List

Title: Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety
Source: Entomologia Experimentalis Et Applicata. 2002. 104 (1). 51-60
Year: 2002
Author(s): Harmatha J, Nawrot J
CD: 384
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Record: 1 / 2 Hit: 1 / 2 Query: piper cubeba

start C:\Documen... F:\ Adobe Phot... Folio Views -... EN 11:44

- Koleksi CD TEEAL di Perpustakaan Pusat IPB



- Volume CD TEEAL yg berisi dua artikel yg ditemukan



- Memilih jurnal yg berisi artikel yg dicari

Title: Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety

View Article [Entomologia Experimentalis Et Applicata. 2002. 104 \(1\). 51-60](#) **klik**

CD Volume: 384

Author(s): Harmatha J Nawrot J

Author Affiliation: HARMATHA J,ACAD SCI CZECH REPUB,INST ORGAN CHEM & BIOCHEM;FLEMINGOVO NAM 2; PRAGUE 16610, CZECH REPUBLIC.
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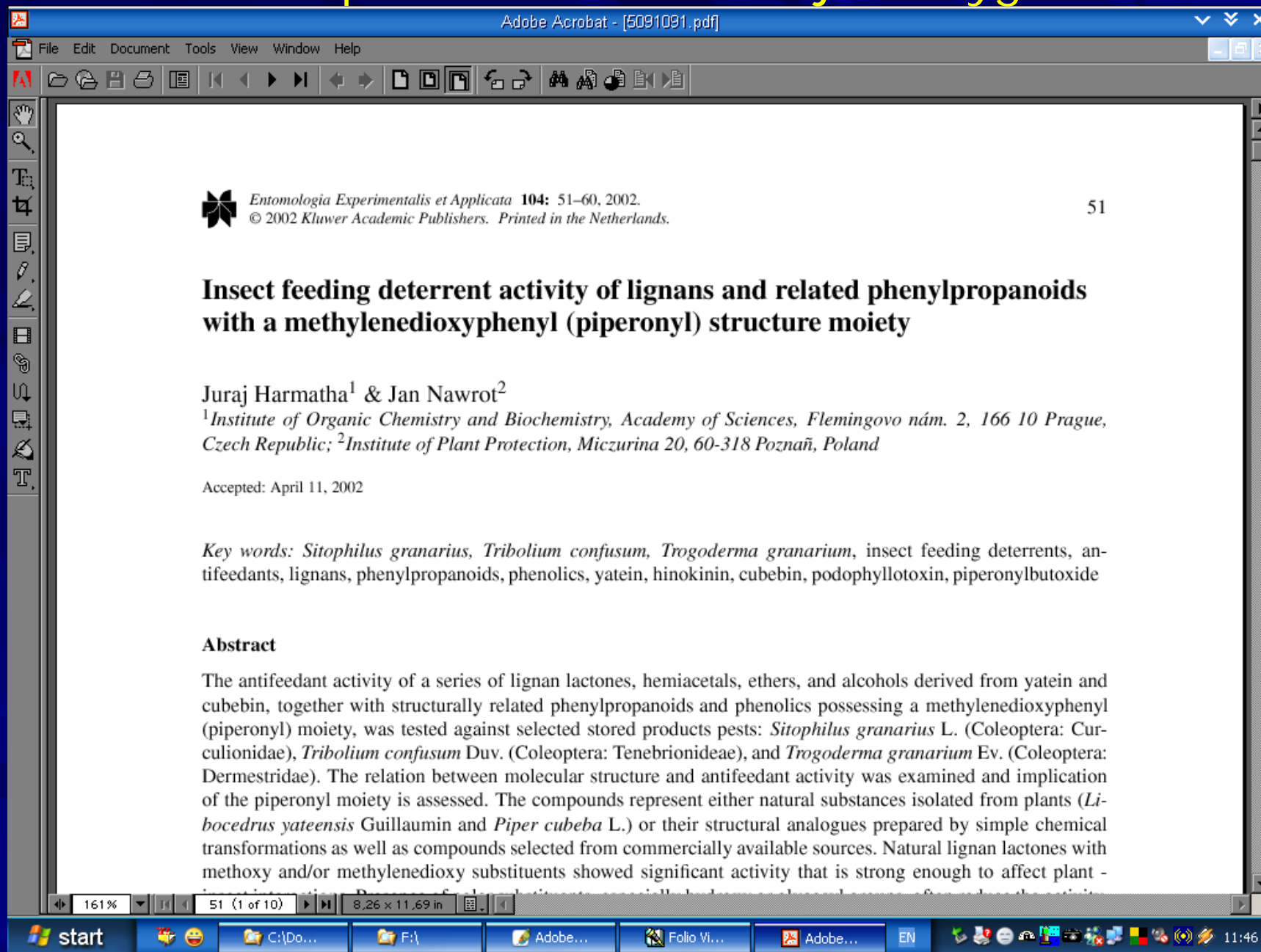
ISSN: 0013-8703

Year: 2002

Record: 1 / 2 Hit: 1 / 2 Query: piper cubeba

start C:\Documen... F:\ Adobe Phot... Folio Views - ... EN 11:45

• Halaman pertama dari artikel jurnal yg dicari



Adobe Acrobat - [5091091.pdf]

File Edit Document Tools View Window Help

Entomologia Experimentalis et Applicata **104**: 51–60, 2002.
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Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety

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Accepted: April 11, 2002

Key words: *Sitophilus granarius*, *Tribolium confusum*, *Trogoderma granarium*, insect feeding deterrents, antifeedants, lignans, phenylpropanoids, phenolics, yatein, hinokinin, cubebin, podophyllotoxin, piperonylbutoxide

Abstract

The antifeedant activity of a series of lignan lactones, hemiacetals, ethers, and alcohols derived from yatein and cubebin, together with structurally related phenylpropanoids and phenolics possessing a methylenedioxyphenyl (piperonyl) moiety, was tested against selected stored products pests: *Sitophilus granarius* L. (Coleoptera: Curculionidae), *Tribolium confusum* Duv. (Coleoptera: Tenebrionidae), and *Trogoderma granarium* Ev. (Coleoptera: Dermestridae). The relation between molecular structure and antifeedant activity was examined and implication of the piperonyl moiety is assessed. The compounds represent either natural substances isolated from plants (*Libocedrus yateensis* Guillaumin and *Piper cubeba* L.) or their structural analogues prepared by simple chemical transformations as well as compounds selected from commercially available sources. Natural lignan lactones with methoxy and/or methylenedioxy substituents showed significant activity that is strong enough to affect plant -

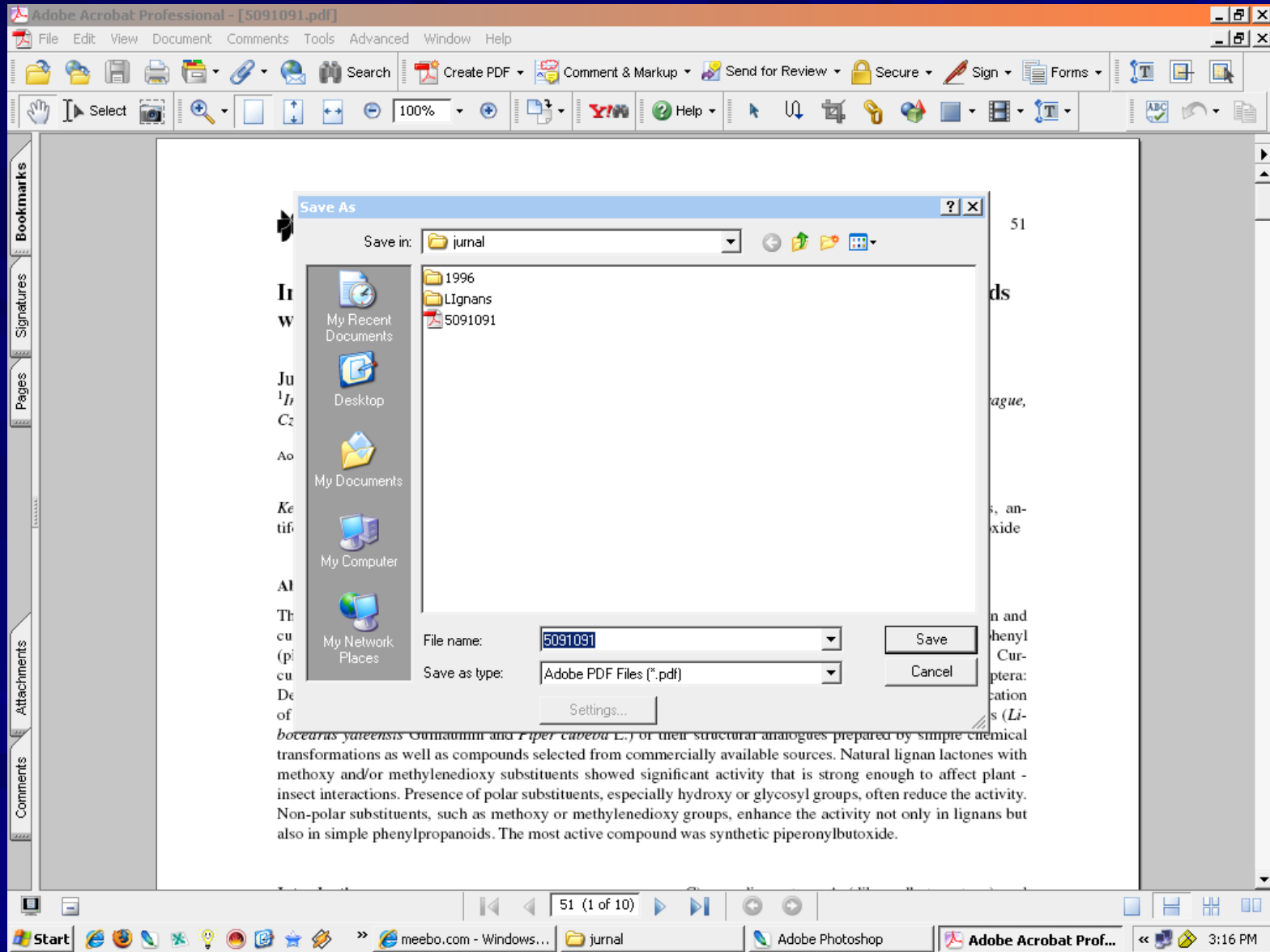
161% 51 (1 of 10) 8.26 x 11.69 in

start C:\Do... F:\ Adobe... Folio Vi... Adobe... EN 11:46

- Menyimpan *file* artikel jurnal yg dicari

The screenshot shows the Adobe Acrobat Professional interface. The 'File' menu is open, and the 'Save As...' option is highlighted with a red rectangle. The menu items include: Open... (Ctrl+O), Create PDE, Organizer, Email..., Close (Ctrl+W), Save (Ctrl+S), Save As... (Shift+Ctrl+S), Save as Certified Document..., Revert, Reduce File Size..., Send for Review..., Form Data, Document Properties... (Ctrl+D), Print Setup... (Shift+Ctrl+P), Print... (Ctrl+P), Print with Comments Summary... (Ctrl+T), PrintMe Internet Printing... (Shift+Ctrl+9), History, and Exit (Ctrl+Q). The history list shows several files, including '1 F:\!\kiki\dosen\PaDjoko\jurnal\5091091.pdf'. The main window displays a document page with the title 'Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety' by Jan Nawrot. The page number 51 is visible in the top right corner. The Windows taskbar at the bottom shows the Start button, several application icons, and the taskbar itself with 'meebo.com - Windows...', 'jurnal', 'Adobe Photoshop', and 'Adobe Acrobat Prof...' open. The system clock shows 3:15 PM.

- Memberi nama *file* dan memilih *folder* tertentu untuk menyimpan artikel jurnal yg dicari



© Sumber informasi (*lanjutan*)

★ Di luar perpustakaan

- Katalog daring (akses ke koleksi perpustakaan)
- Database daring
- Internet
 - E-mail
 - *Mailing list (listserve)*
 - *Newsgroup*
 - *Web (World Wide Web), <http://www.>*

⊙ Sumber informasi (*lanjutan*)

☛ E-mail

- *Reprint* (cetak lepas)/fotokopi artikel
- Komunikasi pribadi

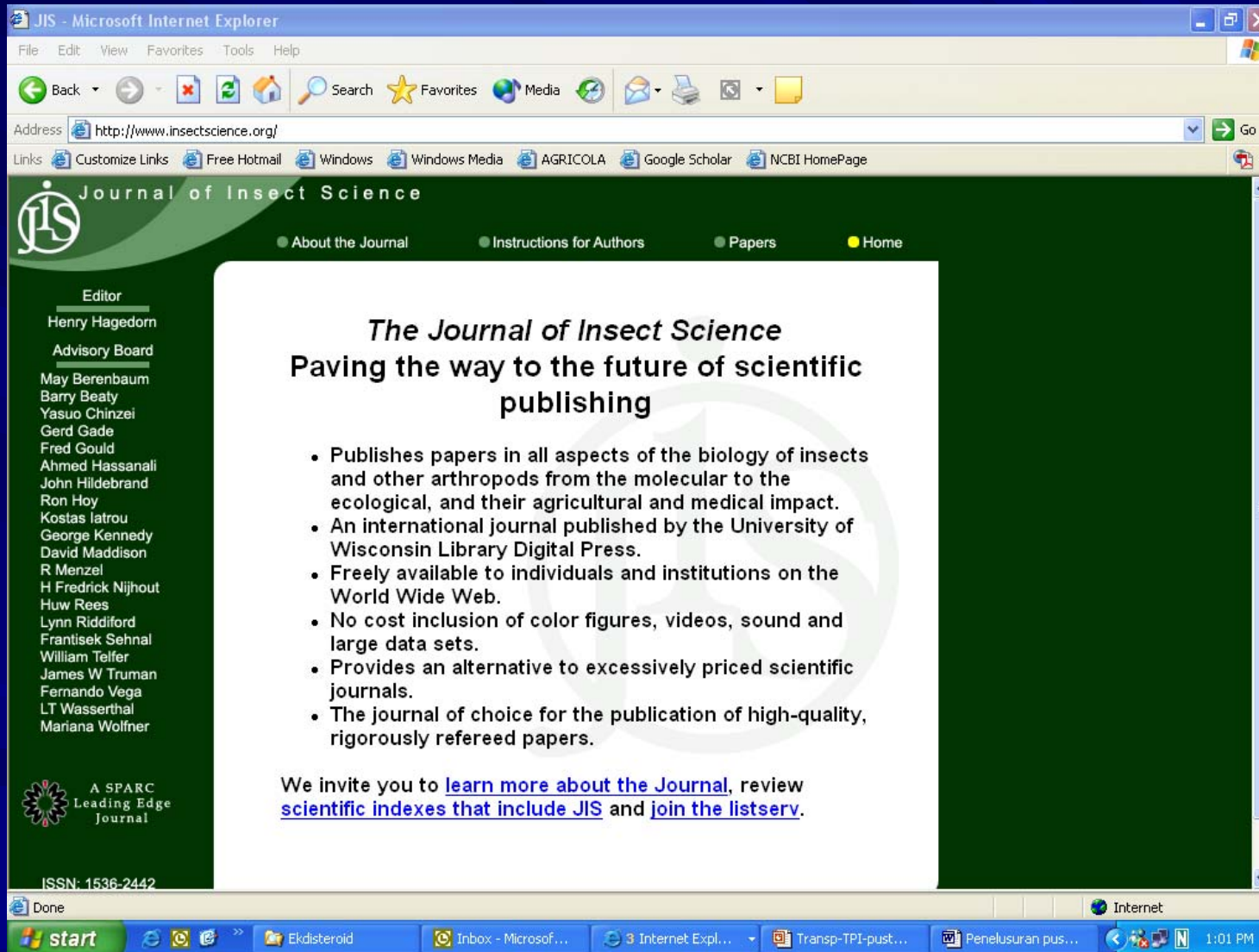
☛ Milis (*mailing list, listserve*)

- Kelompok diskusi melalui e-mail dgn alamat tertentu, semua anggota menerima e-mail di alamat e-mail masing-masing

Contoh:

- Milis alumni HPT: hpt_ipb-net@yahoogroups.com
- Milis *Journal of Insect Science*:
listserv@listserv.arizona.edu

➤ Contoh jurnal *on-line* dgn layanan milis
Journal of Insect Science (www.insectscience.org)



The screenshot shows a Microsoft Internet Explorer browser window displaying the homepage of the Journal of Insect Science. The browser's address bar shows the URL <http://www.insectscience.org/>. The website has a green header with the journal's logo and navigation links: "About the Journal", "Instructions for Authors", "Papers", and "Home". On the left side, there is a sidebar with the following information:

- Editor**
Henry Hagedorn
- Advisory Board**
May Berenbaum
Barry Beaty
Yasuo Chinzei
Gerd Gade
Fred Gould
Ahmed Hassanali
John Hildebrand
Ron Hoy
Kostas Iatrou
George Kennedy
David Maddison
R Menzel
H Fredrick Nijhout
Huw Rees
Lynn Riddiford
Frantisek Sehnal
William Telfer
James W Truman
Fernando Vega
LT Wasserthal
Mariana Wolfner

At the bottom of the sidebar, it says "A SPARC Leading Edge Journal" and "ISSN: 1536-2442". The main content area features the title "The Journal of Insect Science" and the subtitle "Paving the way to the future of scientific publishing". Below this, there is a list of bullet points:

- Publishes papers in all aspects of the biology of insects and other arthropods from the molecular to the ecological, and their agricultural and medical impact.
- An international journal published by the University of Wisconsin Library Digital Press.
- Freely available to individuals and institutions on the World Wide Web.
- No cost inclusion of color figures, videos, sound and large data sets.
- Provides an alternative to excessively priced scientific journals.
- The journal of choice for the publication of high-quality, rigorously refereed papers.

At the bottom of the main content area, it says: "We invite you to [learn more about the Journal](#), review [scientific indexes that include JIS](#) and [join the listserv](#)."

The browser's taskbar at the bottom shows several open applications, including "Ekdisteroid", "Inbox - Micros...", "Internet Expl...", "Transp-TPI-pust...", and "Penelusuran pus...". The system clock shows "1:01 PM".

➤ Contoh jurnal *on-line* dgn layanan milis (*lanjutan*)

The screenshot shows a Microsoft Internet Explorer browser window with the address bar displaying <http://www.insectscience.org/about/listserv/>. The page title is "JIS: Listserv". The main content area has a dark green background with a white box titled "Join the Listserv".

Journal of Insect Science

● About the Journal ● Instructions for Authors ● Papers ● Home

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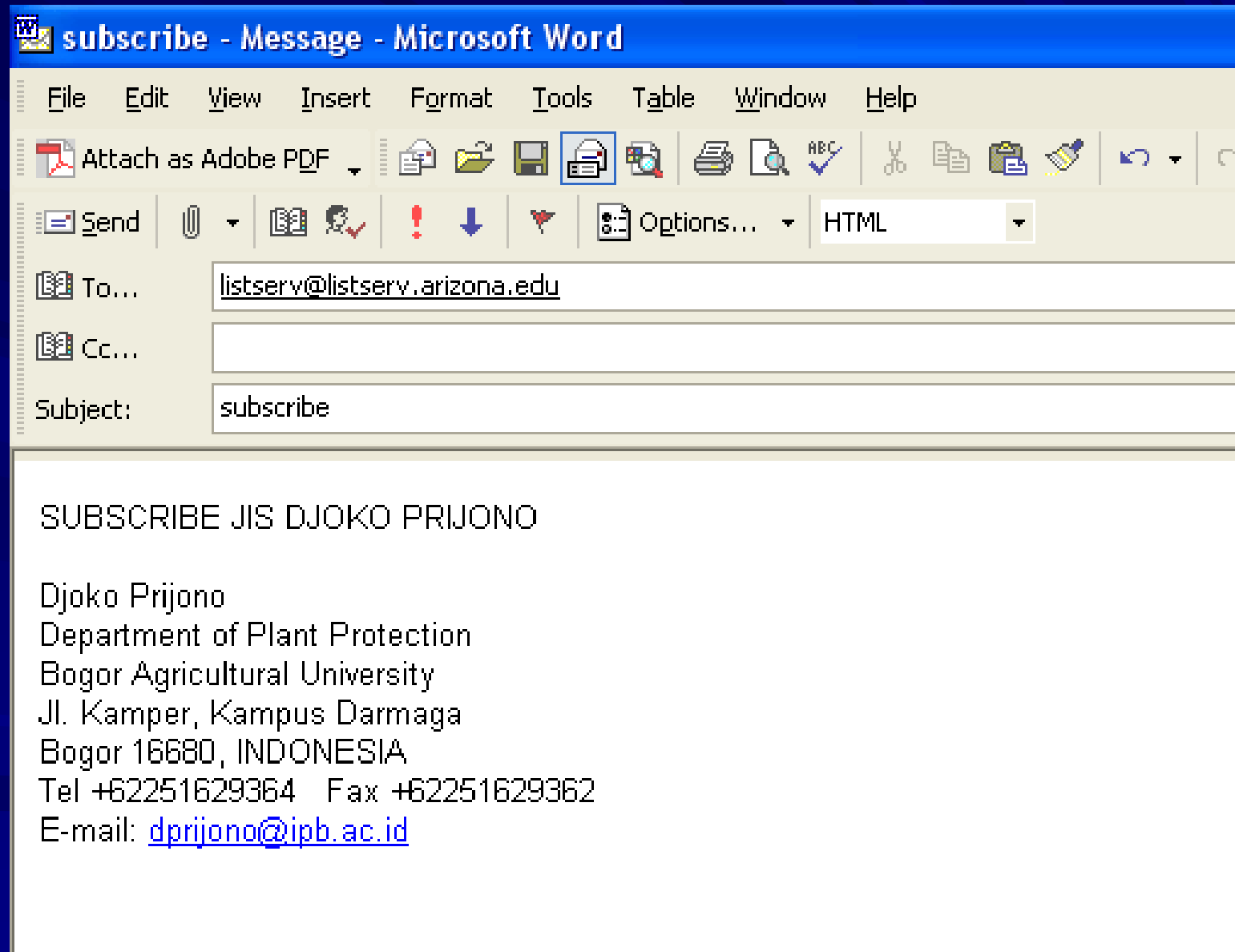
▲ TOP

Left Sidebar:

- Advisory and Editorial Board
- F.A.Q.
- Online Capabilities
- Scientific Resources that Include JIS
- **Join The Listserv**
- Scholars' Homepages
- Facing the Crisis in Scholarly Publishing
- Library Contributors
- Scientific Meetings & Societies

Taskbar: start | Penelusuran pus... | Inbox - Microsof... | 3 Internet Expl... | Transp-TPI-pust... | Transp-TPI-pust... | 1:13 PM

➤ Contoh permohonan menjadi anggota milis listserv



⊙ Sumber informasi (*lanjutan*)

➤ *Newsgroup*

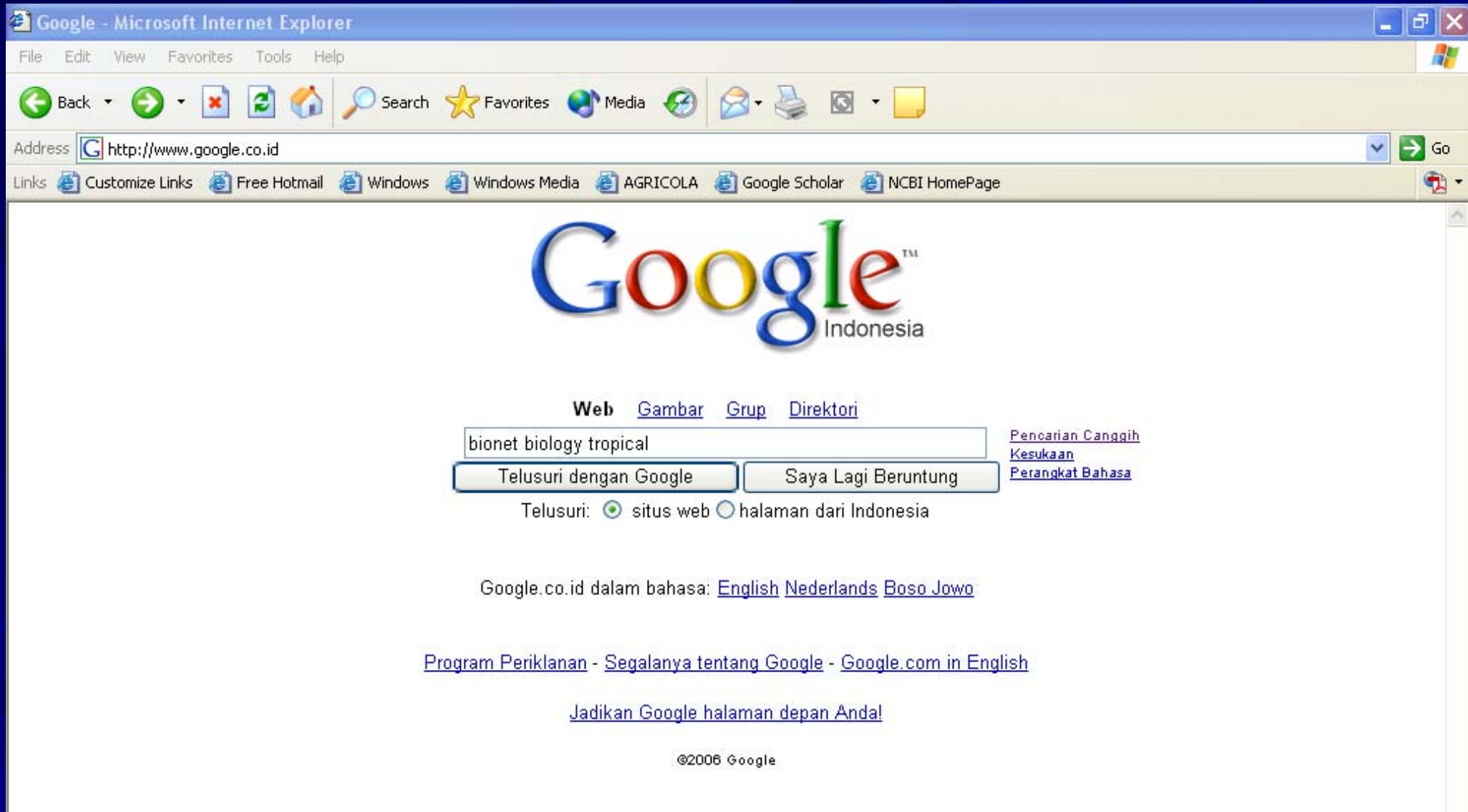
- Kelompok diskusi melalui internet, anggota mengakses alamat web atau URL (*universal resource locator*) tertentu untuk melihat informasi yg dikirim oleh anggota lain (tidak dikirim ke alamat e-mail masing-masing)

Contoh:

- *Newsgroup* tentang biologi tropika



➤ Contoh mengakses *newsgroup* bionet.biology.topical



The image shows a screenshot of a Microsoft Internet Explorer browser window. The title bar reads "Google - Microsoft Internet Explorer". The address bar contains "http://www.google.co.id". The main content area displays the Google logo with "Indonesia" underneath. Below the logo are navigation links: "Web", "Gambar", "Grup", and "Direktori". A search input field contains the text "bionet biology tropical". To the right of the input field are links for "Pencarian Canggih", "Kesukaan", and "Perangkat Bahasa". Below the input field are two buttons: "Telusuri dengan Google" and "Saya Lagi Beruntung". Underneath these buttons is a radio button selection: "Telusuri: situs web halaman dari Indonesia". At the bottom, there are links for "Google.co.id dalam bahasa: English Nederlands Boso Jowo", "Program Periklanan - Segalanya tentang Google - Google.com in English", and "Jadikan Google halaman depan Anda!". The footer shows "©2006 Google".

Google - Microsoft Internet Explorer

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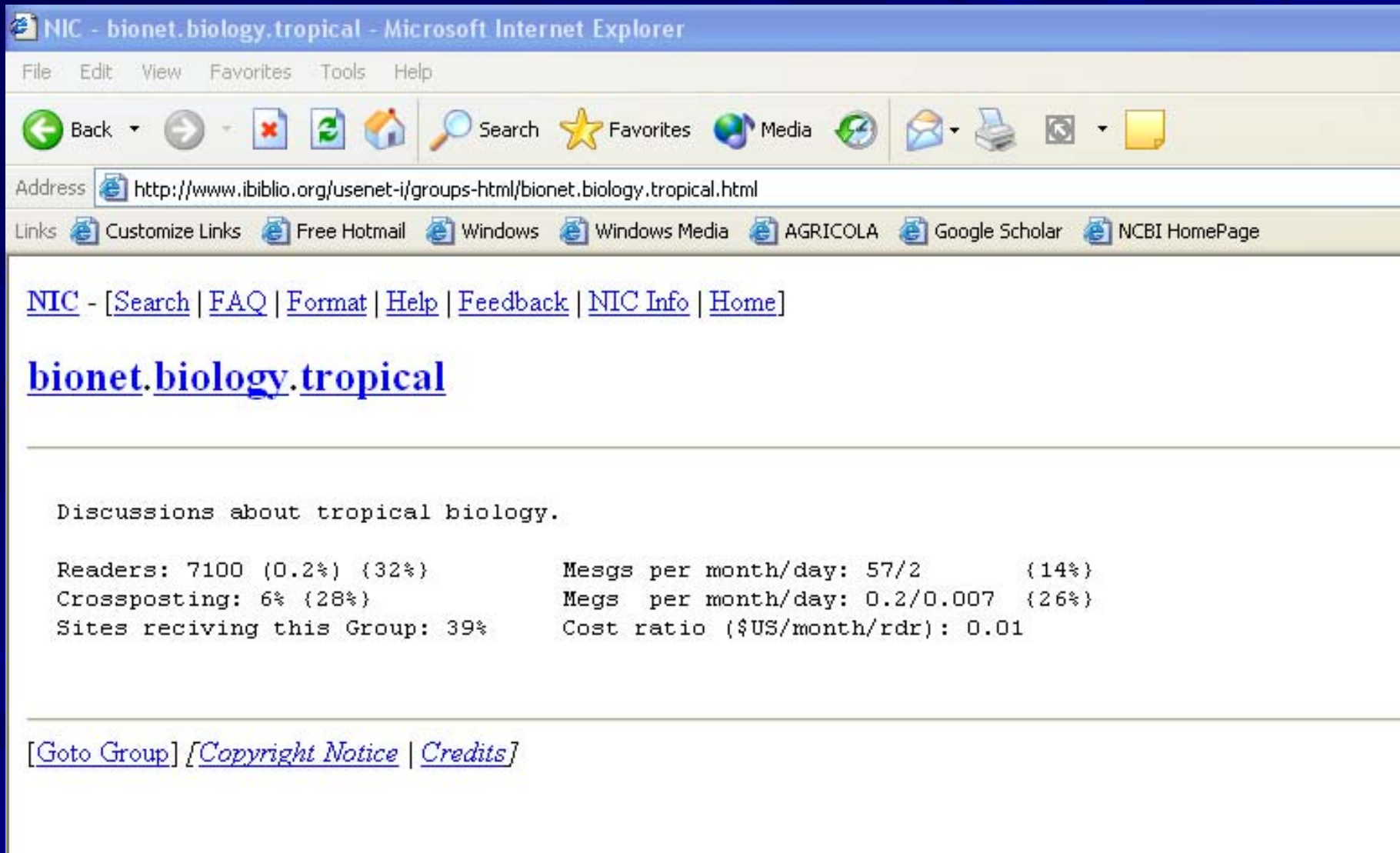
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➤ Newsgroup bionet.biology.topical (lanjutan)

The screenshot shows a Microsoft Internet Explorer browser window with the following details:

- Address Bar:** <http://www.google.co.id/search?hl=id&q=bionet+biology+tropical&btnG=Telusuri+dengan+Google&meta=>
- Search Bar:** Contains the text "bionet biology tropical".
- Search Results:** The first result is "NIC - [bionet.biology.tropical](#)". A red arrow points to this link. Below it, there is a summary: "bionet.biology.tropical. Discussions about tropical biology. Readers: 7100 (0.2%) (32%) Mesgs per month/day: 57/2 {14%} Crossposting: 6% {26%} Megs per ...".
- Other Results:** Several other links are visible, including "Index of /london/orgfarm/discussion-groups/newsgroups/bionet ...", "iubio.bio.indiana.edu:7131/bionet/hypermail/TROPIC...", "bionet.biology.tropical" (with a "Top" link), and "Newsgroup: bionet.biology.tropical".
- Taskbar:** Shows the Windows Start button, several application icons, and the system tray with the time "1:46 PM".

➤ Newsgroup bionet.biology.tropical (lanjutan)



The screenshot shows a Microsoft Internet Explorer browser window. The title bar reads "NIC - bionet.biology.tropical - Microsoft Internet Explorer". The address bar contains the URL "http://www.ibiblio.org/usenet-i/groups-html/bionet.biology.tropical.html". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The toolbar contains icons for "Back", "Forward", "Stop", "Refresh", "Home", "Search", "Favorites", "Media", "Print", "Mail", and "New Tab". The "Links" bar includes "Customize Links", "Free Hotmail", "Windows", "Windows Media", "AGRICOLA", "Google Scholar", and "NCBI HomePage".

The main content area displays the following text:

[NIC](#) - [[Search](#) | [FAQ](#) | [Format](#) | [Help](#) | [Feedback](#) | [NIC Info](#) | [Home](#)]

[bionet.biology.tropical](#)

Discussions about tropical biology.

Readers: 7100 (0.2%) (32%)	Mesgs per month/day: 57/2 (14%)
Crossposting: 6% (28%)	Megs per month/day: 0.2/0.007 (26%)
Sites reciving this Group: 39%	Cost ratio (\$US/month/rdr): 0.01

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★ Hal-hal yg perlu diperhatikan:

- ★ Kepakaran orang atau reputasi lembaga penulis
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 - Melewati proses penyuntingan atau tidak
- ★ Kebaruan informasi
- ★ *Blog* tidak dianjurkan untuk digunakan sebagai sumber pustaka (keakuratan informasi belum tentu dapat dijamin, tidak melalui proses review oleh pakar lain)

◎ Penelusuran pustaka melalui Internet (*lanjutan*)

- Cara mencari informasi melalui Internet

- Mengetik alamat web atau URL (*uniform resource locator*)

Misal, <http://www.elsevier.com> (penerbit Elsevier)

Akhiran URL

com – *commercial*

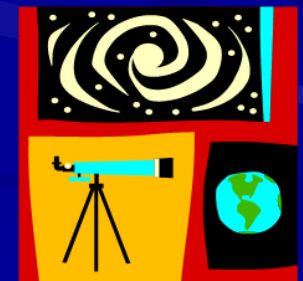
edu – *education*

gov – *government*

mil – *military*

net – *network resources*

org – *organization*



➤ Situs web penerbit *Entomological Society of America* (www.entsoc.org), memilih *J Economic Entomology*

Welcome: The Entomological Society of America - Microsoft Internet Explorer

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➤ Akses *Journal of Economic Entomology*

The screenshot shows a Microsoft Internet Explorer browser window with the following details:

- Address Bar:** <http://titania.esa.catchword.org/vl=6448140/cl=19/nw=1/rpsv/home.htm>
- Page Title:** The Entomological Society of America Journals Online: home
- Page Content:**
 - Journal of Economic Entomology:** Includes links for [Current issue](#), [All issues](#), [About this journal](#), and [Table of Contents Alerting](#). A red arrow points to the journal's cover image.
 - Journal of Medical Entomology:** Includes links for [Current issue](#), [All issues](#), [About this journal](#), and [Table of Contents Alerting](#).
- Footer:** [terms & conditions](#) | [copyright](#) | [privacy policy](#) | Site powered by Ingenta

The Windows taskbar at the bottom shows the Start button, several open applications (including 'The Entomologic...', 'Wiley InterScien...', and 'Penelusuran pus...'), and the system clock displaying 2:37 PM on 2/2/2008.

➤ Akses *Journal of Economic Entomology*



The screenshot shows a web browser window titled "Journal of Economic Entomology - Microsoft Internet Explorer". The address bar displays the URL: <http://www.entsoc.org/pubs/periodicals/jee/index.htm>. The website features a green header with the Entomological Society of America (ESA) logo and the word "Publications". A navigation menu includes links for HOME, ABOUT ESA, MEMBERSHIP, PUBLICATIONS, ANNUAL MEETING, EMPLOYMENT, CERTIFICATION, RESOURCES, AWARDS, HONORS & SCHOLARSHIPS, STUDENTS, and NETWORKS.

The main content area is titled "Journal of Economic Entomology" and includes several sections:

- ESA Member Login**
- Search ESA Site:** A search box with a "Search" button and a "Search Help" link.
- ESA Site Map**
- Overview**
 - Periodicals**
 - Annals of the ESA
 - Environmental Entomology
 - Journal of Economic Entomology
 - Journal of Medical Entomology
 - American Entomologist
 - Arthropod Management Tests
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The "About this Journal" section contains the following text: *Journal of Economic Entomology* is published bimonthly in February, April, June, August, October, and December. The journal publishes articles on the economic significance of insects and is divided into the following sections: apiculture & social insects; arthropods in relation to plant disease; forum; insecticide resistance and resistance management; ecotoxicology; biological and microbial control; ecology and behavior; sampling and biostatistics; household and structural insects; medical entomology; molecular entomology; veterinary entomology; forest entomology; horticultural entomology; field and forage crops, and small grains; stored-product; commodity treatment and quarantine entomology; and plant resistance. In addition to research papers, *Journal of Economic Entomology* publishes Letters to the Editor, interpretive articles in a Forum section, and Book Reviews.

The journal has an Editor-in-Chief, Subject Editors, and Associate Editors who are volunteers from among the ESA membership. The Editor-in-Chief applies for the position and is appointed by the ESA Governing Board based on a recommendation from the journal's editorial board. Subject Editors are

The Windows taskbar at the bottom shows the Start button and several open applications: "PrtScr Bhn Kul", "Journal of Econo...", "plant quarantine ...", "BCA: - Microsof...", and "Artikel karantina J...". The system clock shows the time as 14:34.

➤ Memilih edisi tertentu *Journal of Economic Entomology*

The screenshot shows a web browser window with the following content:

Address: <http://puck.esa.catchword.org/vl=776679/cl=12/nw=1/rpsv/cw/vhosts/esa/00220493/contp1.htm>

top ▲

- Volume 99, Issue 6, December 2006
- Volume 99, Issue 5, October 2006
- Volume 99, Issue 4, August 2006
- Volume 99, Issue 3, June 2006
- Volume 99, Issue 2, April 2006
- Volume 99, Issue 1, February 2006

Vol. 98

- Volume 98, Issue 6, December 2005
- Volume 98, Issue 5, October 2005
- Volume 98, Issue 4, August 2005
- Volume 98, Issue 3, June 2005
- Volume 98, Issue 2, April 2005
- Volume 98, Issue 1, February 2005

Vol. 97

- Volume 97, Issue 6, December 2004
- Volume 97, Issue 5, October 2004
- [Volume 97, Issue 4, August 2004](#) ←
- Volume 97, Issue 3, June 2004
- Volume 97, Issue 2, April 2004
- Volume 97, Issue 1, February 2004 [Trial](#)

Vol. 96

- Volume 96, Issue 6, December 2003
- Volume 96, Issue 5, October 2003
- Volume 96, Issue 4, August 2003

The browser's taskbar at the bottom shows the Start button and several open applications: 'PrtScr Bhn Kul', 'The Entomologica...', 'plant quarantine ...', ':BCA: - Microsof ...', and 'Artikel karantina J...'. The system clock shows 14:35.

➤ Bagian daftar isi edisi tertentu *J Econ Entomol* dan memilih artikel tertentu

top ▲

1217 **Influence of Cover Crops on Insect Pests and Predators in Conservation Tillage Cotton** *William Tillman; Harry Schomberg; Sharad Phatak; Benjamin Mullinix; Sharon Lachnicht; Patricia Timper; Dawn Olson*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1217-1232

1233 **Sucrose Octanoate Toxicity to Brown Citrus Aphid (Homoptera: Aphididae) and the parasitoid *Lysiphlebus testaceipes* (Hymenoptera: Aphididae)** *C. L. McKenzie; A. A. Weathersbee III; Wayne B. Hunter; Gary J. Puterka*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1233-1238

1239 **Effects of Insect Growth Regulators on Citrus Mealybug Parasitoid *Leptomastix dactylopii* (Hymenoptera: Encyrtidae)** *Katharina B. Rothwangl; Raymond A. Cloyd; Robert N. Wiedenmann*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1239-1244

COMMODITY TREATMENT AND QUARANTINE ENTOMOLOGY

1245 **Irradiation Disinfestation of Apple Maggot (Diptera: Tephritidae) in Hypoxic and Low-Temperature Storage** *Guy J. Hallman*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1245-1248

1249 **Quarantine Strategies for Olive Fruit Fly (Diptera: Tephritidae): Low-Temperature Storage, Brine, and Host Relations** *Victoria Y. Yokoyama; Gina T. Miller*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1249-1253

1254 **Revised Irradiation Doses to Control Melon Fly, Mediterranean Fruit Fly, and Oriental Fruit Fly (Diptera: Tephritidae) and a Generic Dose for Tephritid Fruit Flies** *Peter A. Follett; John W. Armstrong*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1254-1262

1263 **Generic Vapor Heat Treatments to Control *Maconellicoccus hirsutus* (Homoptera: Pseudococcidae)** *Peter A. Follett*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1263-1268

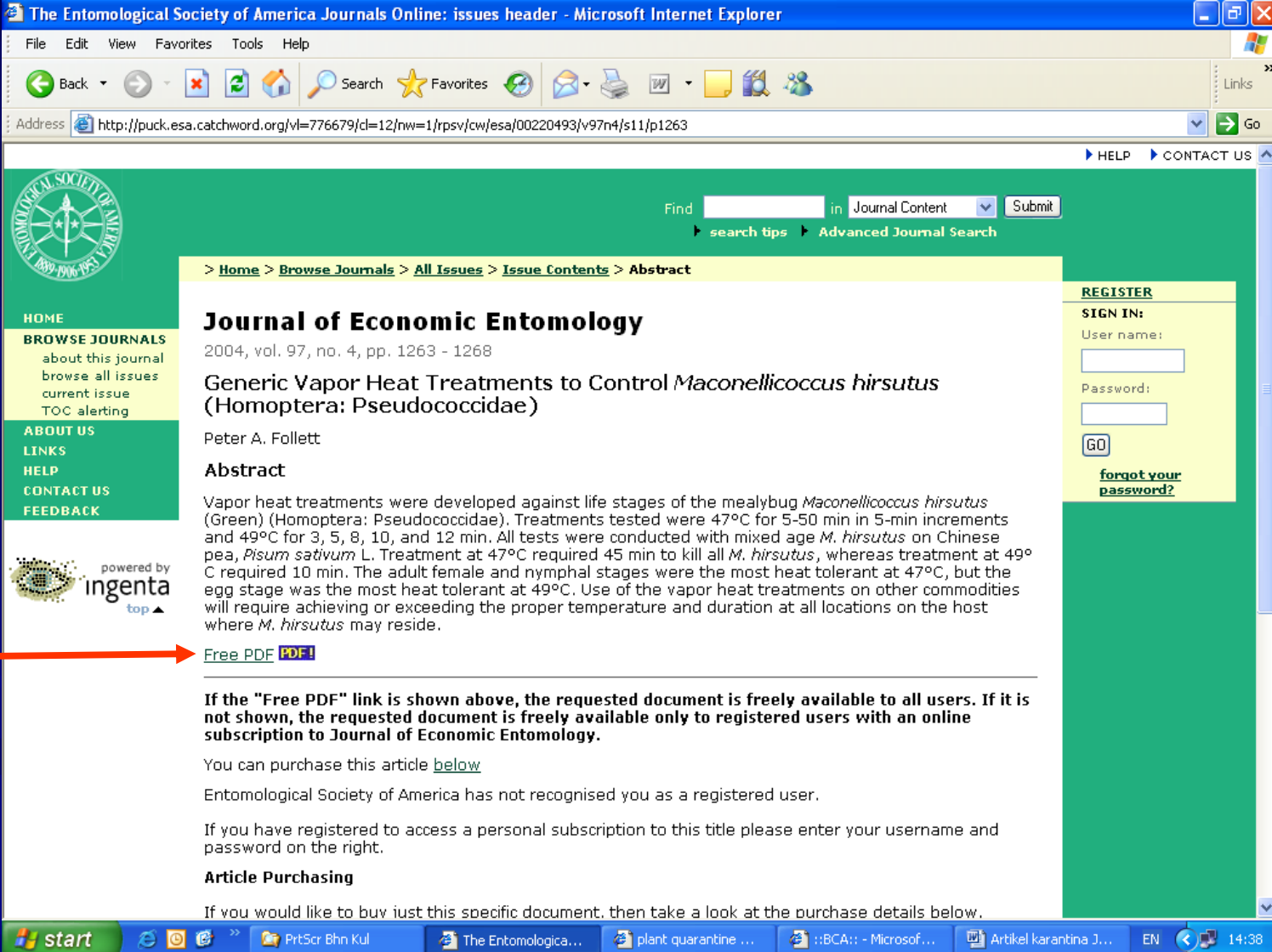
ECOLOGY AND BEHAVIOR

1269 **Feeding Activity and Attraction of Blueberry Maggot (Diptera: Tephritidae) to Protein Baits, Ammonium Acetate, and Sucrose** *James D. Barry; Sridhar Polavarapu*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1269-1277

1278 **Effect of Cotton Cultivar on Development and Reproduction of *Aphis gossypii* (Homoptera: Aphididae) and Its Predator *Propylaea japonica* (Coleoptera: Coccinellidae)** *Li Du; Feng Ge; Sanrong Zhu; Megha N. Parajulee*
Journal of Economic Entomology, Vol. 97, No. 4, August 2004 pp.1278-1283

1284 **Effects of Height and Adjacent Surfaces on Captures of Indianmeal Moth (Lepidoptera: Pyralidae) in Pheromone-Baited Traps** *Christian Nansen; Thomas W. Phillips; Stacy Sanders*

➤ Akses *Journal of Economic Entomology* Abstrak & artikel lengkap (pdf) bisa diunduh & disimpan



The screenshot shows a web browser window displaying the 'Journal of Economic Entomology' website. The page features a search bar at the top, a navigation menu on the left, and a main content area with the article title 'Generic Vapor Heat Treatments to Control *Maconellicoccus hirsutus* (Homoptera: Pseudococcidae)'. Below the title, there is an abstract and a 'Free PDF' link. A yellow box on the right contains a registration form. The browser's address bar shows the URL: <http://puck.esa.catchword.org/vl=776679/cl=12/nw=1/rpsv/cw/esa/00220493/v97n4/s11/p1263>.

Journal of Economic Entomology
2004, vol. 97, no. 4, pp. 1263 - 1268

Generic Vapor Heat Treatments to Control *Maconellicoccus hirsutus* (Homoptera: Pseudococcidae)
Peter A. Follett

Abstract
Vapor heat treatments were developed against life stages of the mealybug *Maconellicoccus hirsutus* (Green) (Homoptera: Pseudococcidae). Treatments tested were 47°C for 5-50 min in 5-min increments and 49°C for 3, 5, 8, 10, and 12 min. All tests were conducted with mixed age *M. hirsutus* on Chinese pea, *Pisum sativum* L. Treatment at 47°C required 45 min to kill all *M. hirsutus*, whereas treatment at 49°C required 10 min. The adult female and nymphal stages were the most heat tolerant at 47°C, but the egg stage was the most heat tolerant at 49°C. Use of the vapor heat treatments on other commodities will require achieving or exceeding the proper temperature and duration at all locations on the host where *M. hirsutus* may reside.

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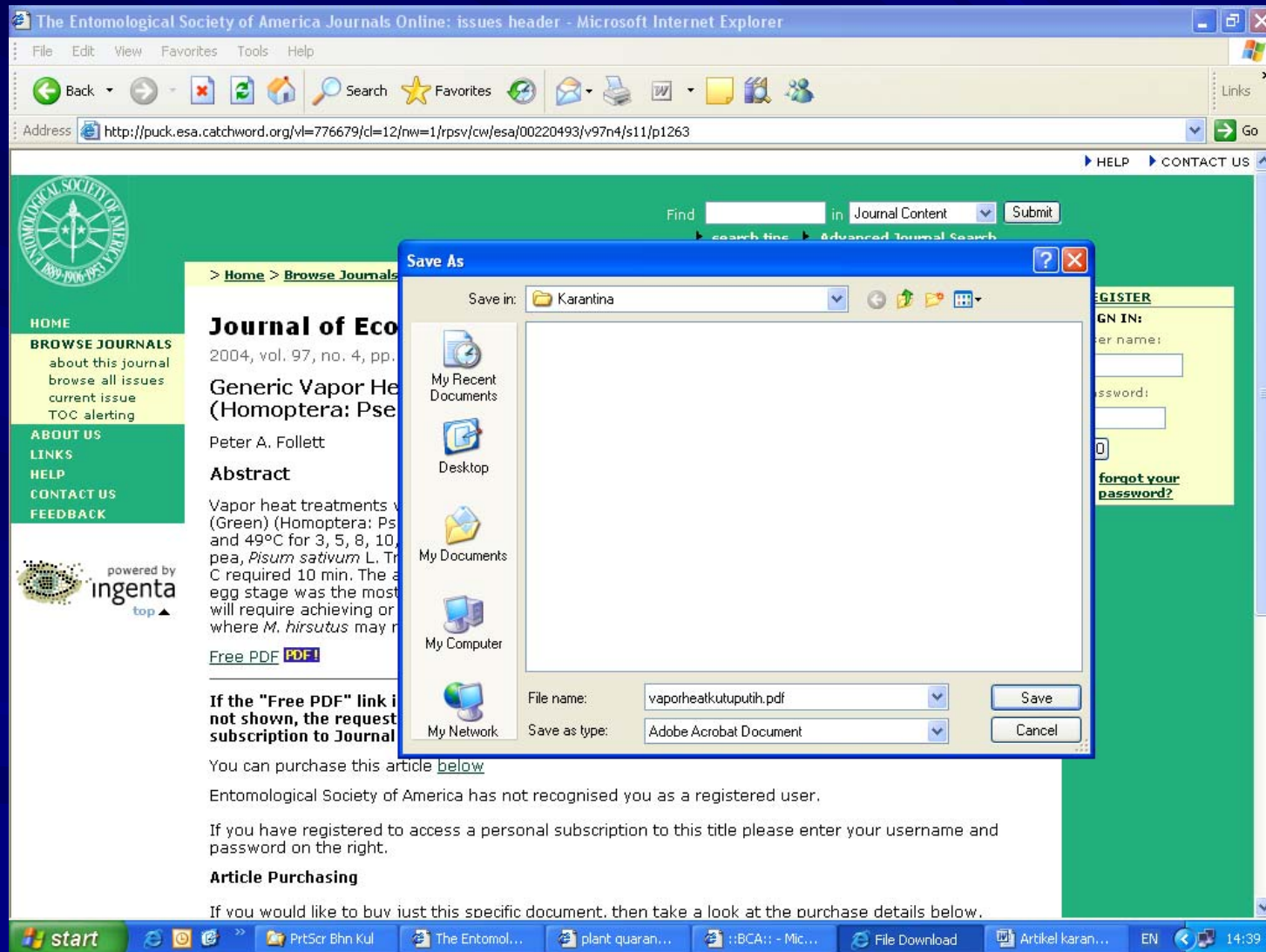
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➤ Akses *Journal of Economic Entomology*

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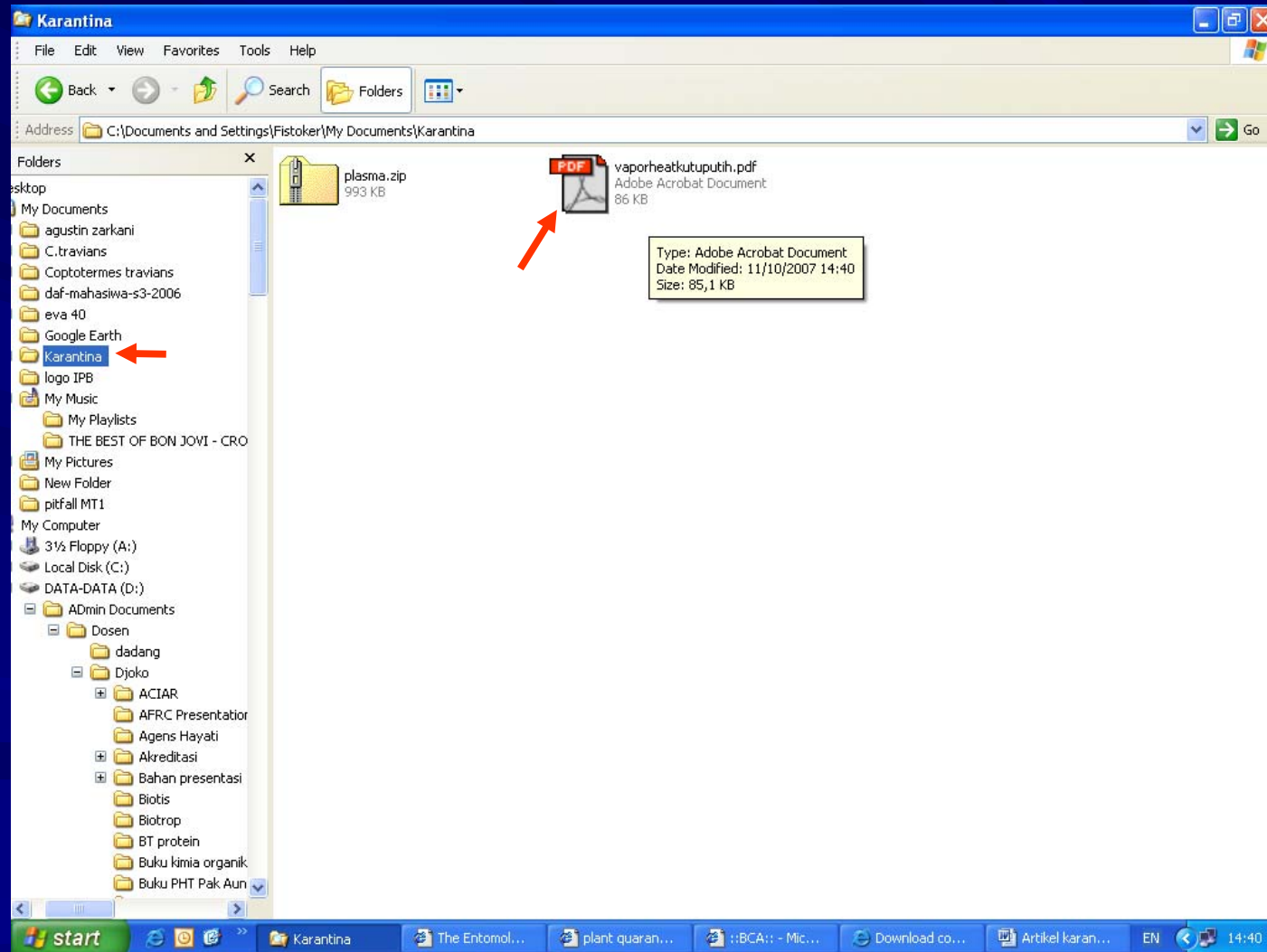
The screenshot shows a Microsoft Internet Explorer browser window displaying the 'Journal of Economic Entomology' website. The address bar shows the URL: <http://puck.esa.catchword.org/vl=776679/cl=12/hw=1/rpsv/cw/esa/00220493/v97n4/s11/p1263>. The page title is 'The Entomological Society of America Journals Online: issues header - Microsoft Internet Explorer'. The main content area displays the journal title 'Journal of Economic Entomology' and the article title 'Vapor Heat Treatments to Control *Maconellicoccus hirsutus* (Homoptera: Pemphigidae)'. A right-click context menu is open over the 'Free PDF' link, with the 'Save Target As...' option highlighted. The abstract text describes the effectiveness of vapor heat treatments against the mealybug *Maconellicoccus hirsutus*. The sidebar on the right contains a 'REGISTER' section and a 'SIGN IN' section with input fields for 'User name:' and 'Password:'. The bottom of the page contains a notice about the 'Free PDF' link availability and a section for 'Article Purchasing'.

- Akses *Journal of Economic Entomology*
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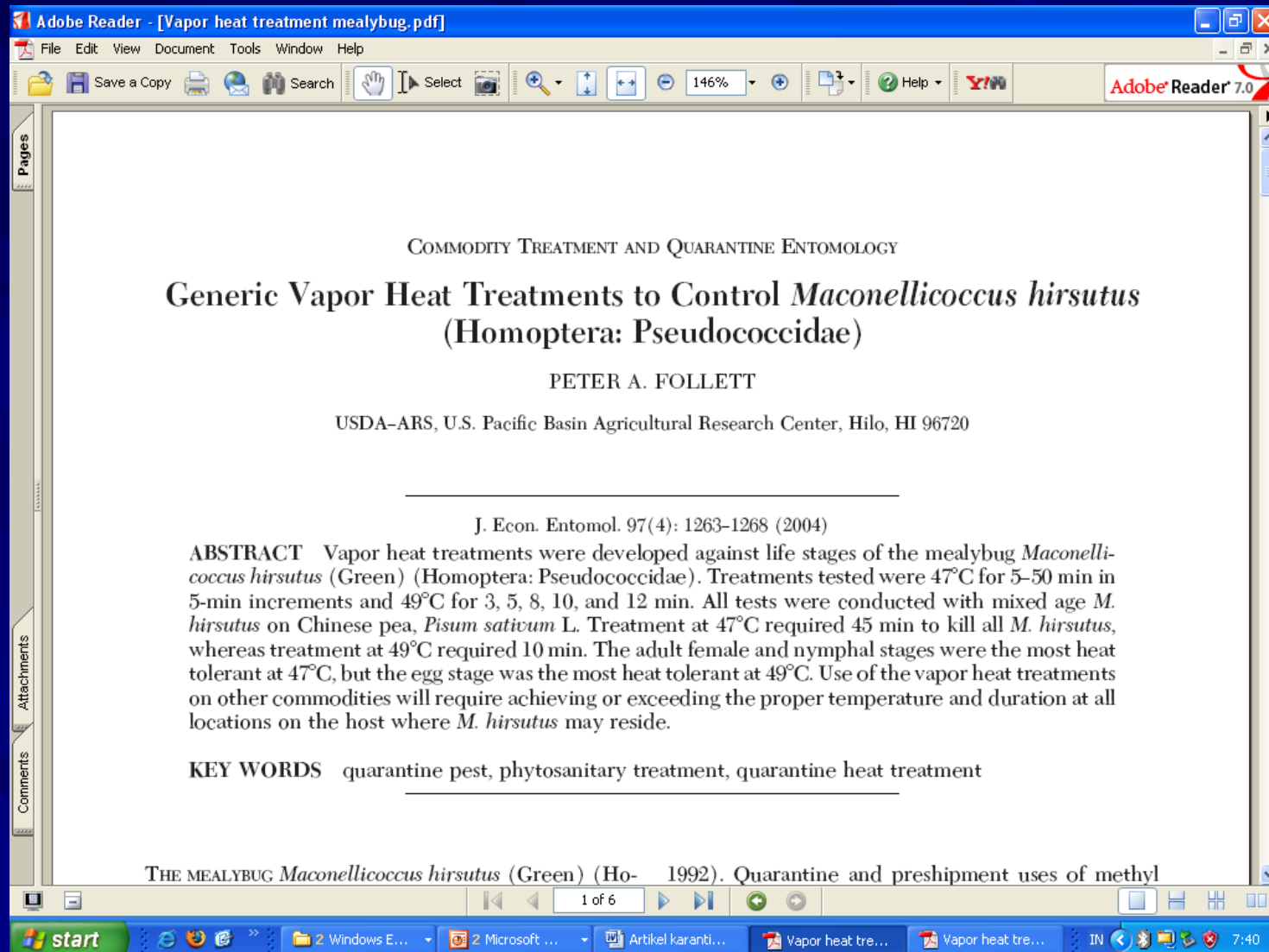


➤ Akses *Journal of Economic Entomology*

Artikel pdf yg diunduh telah tersimpan dalam *folder* tertentu



- Akses *Journal of Economic Entomology*
Halaman pertama artikel pdf yg telah diunduh



➤ Mencoba mengakses artikel lain dalam *J Econ Entomol*

The Entomological Society of America Journals Online: issues header - Microsoft Internet Explorer

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Back Forward Stop Home Search Favorites Refresh Print Mail Print Preview Print and Go

Address <http://caliban.esa.catchword.org/vl=2825531/cl=18/nw=1/rpsv/cw/vhosts/esa/00220493/v99n1/contp1-1.htm> Go

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Journal of Economic Entomology

Volume 99 Number 1 February 2006

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APICULTURE AND SOCIAL INSECTS

1 **Susceptibility of Adult *Aethina tumida* (Coleoptera: Nitidulidae) to Entomopathogenic Fungi** *T. M. Muerrle; P. Neumann; J. F. Dames; H. R. Hepburn; M. P. Hill*
Journal of Economic Entomology, Vol. 99, No. 1, February 2006 pp.1-6

7 **Human Factors Facilitating the Spread of a Parasitic Honey Bee in South Africa** *Vincent Dietemann; Annelize Lubbe; Robin M. Crewe*
Journal of Economic Entomology, Vol. 99, No. 1, February 2006 pp.7-13

BIOLOGICAL AND MICROBIAL CONTROL

14 **Effects of Long-Term Storage on Potency of TM Biocontrol-1, the Registered Viral Insecticide of *Orygia pseudotsugata* (Lepidoptera: Lymantriidae)** *I. S. Otvos; B. Kukan; R. Reardon; I. Ragenovich*
Journal of Economic Entomology, Vol. 99, No. 1, February 2006 pp.14-22

23 **Effects of Hydrophilic and Hydrophobic Kaolin-Based Particle Films on Pea Aphid (Homoptera: Aphididae) and Its Entomopathogen *Pandora neoaphidis* (Entomophthorales: Entomophthoraceae)** *Sanford D. Eigenbrode; Hongjian Ding; Jeffrey Neufeld; Patrick Duetting*
Journal of Economic Entomology, Vol. 99, No. 1, February 2006 pp.23-31

COMMODITY TREATMENT AND QUARANTINE ENTOMOLOGY

32 **Irradiation as a Methyl Bromide Alternative for Postharvest Control of *Omphisa anastomosalis* (Lepidoptera: Pyralidae) and *Euscepes postfasciatus* and *Cylas formicarius elegantulus* (Coleoptera: Curculionidae) in Sweet Potatoes** *Peter A. Follett*
Journal of Economic Entomology, Vol. 99, No. 1, February 2006 pp.32-37

➔ 38 **Mode of Action of a Novel Nonchemical Method of Insect Control: Atmospheric Pressure Plasma Discharge** *Kevin V. Donohue; Brian L. Bures; Mohamed A. Bourham; R. Michael Roe*
Journal of Economic Entomology, Vol. 99, No. 1, February 2006 pp.38-47

start | PrtScr Bhn Kul | 4 Internet Explorer | Reprint request.doc - ... | EN | 15:12

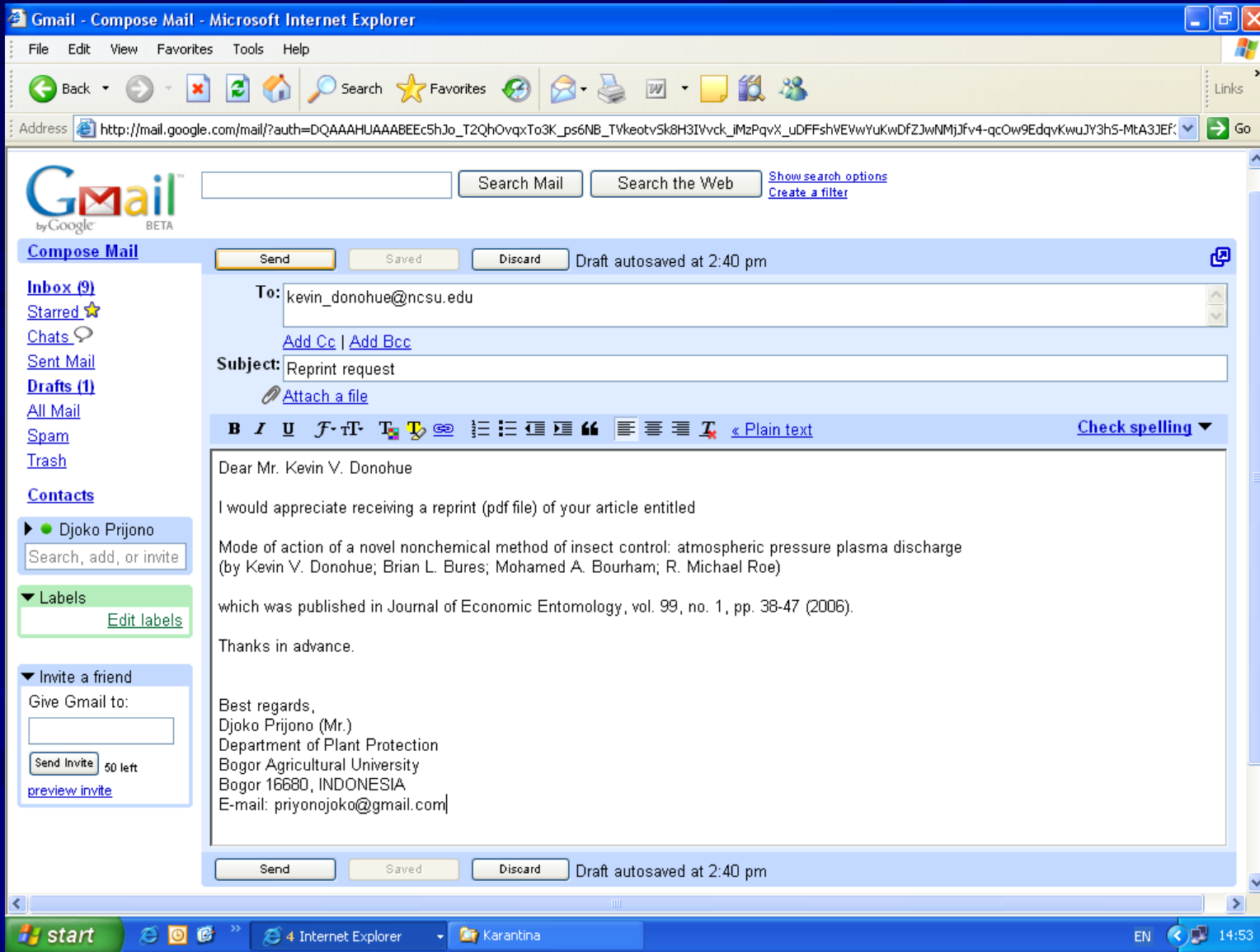
- Ternyata tidak semua artikel dalam *J Econ Entomol* dapat diunduh secara cuma-cuma (harus memasukkan *user name* dan *password*)

The screenshot shows a Microsoft Internet Explorer browser window displaying the 'Journal of Economic Entomology' website. The address bar shows the URL: <http://caliban.esa.catchword.org/vl=2825531/cl=18/nw=1/rpsv/cw/esa/00220493/v99n1/s6/p38>. The page content includes a navigation menu on the left, a main article abstract for 'Mode of Action of a Novel Nonchemical Method of Insect Control: Atmospheric Pressure Plasma Discharge' by Kevin V. Donohue et al., and a 'REGISTER SIGN IN' form on the right. The form has fields for 'User name:' and 'Password:' with a 'GO' button. A red circle highlights the 'User name:' field. Below the abstract, a red circle highlights a text block: 'If the "Free PDF" link is shown above, the requested document is freely available to all users. If it is not shown, the requested document is freely available only to registered users with an online subscription to Journal of Economic Entomology.' The Windows taskbar at the bottom shows the start button, several icons, and the system tray with the time 15:13.

Harus mengisi *user name* & *password*

Tidak ada ket "Free PDF"

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Mr. Prijono,
Thanks for you interest in my research. I attached the requested article for you along with two other articles that were published in the IEEE Transactions on Plasma Science. We also just submitted another paper to JEE entitled "Effects of temperature and molecular oxygen of the use of atmospheric pressure plasma as a novel method of insect control." My guess is that it won't be in print for 8-10 months since the process is usually slow.

Sincerely,
Kevin
[- Show quoted text -](#)
> E-mail: priyonojoko@gmail.com <<mailto:priyonojoko@gmail.com>>

—
Kevin V. Donohue
Research Technician III
NCSU Department of Entomology
3230 Ligon Street
Raleigh, NC 27695
919.515.8883
kevin_donohue@ncsu.edu

3 attachments — [Download all attachments](#)

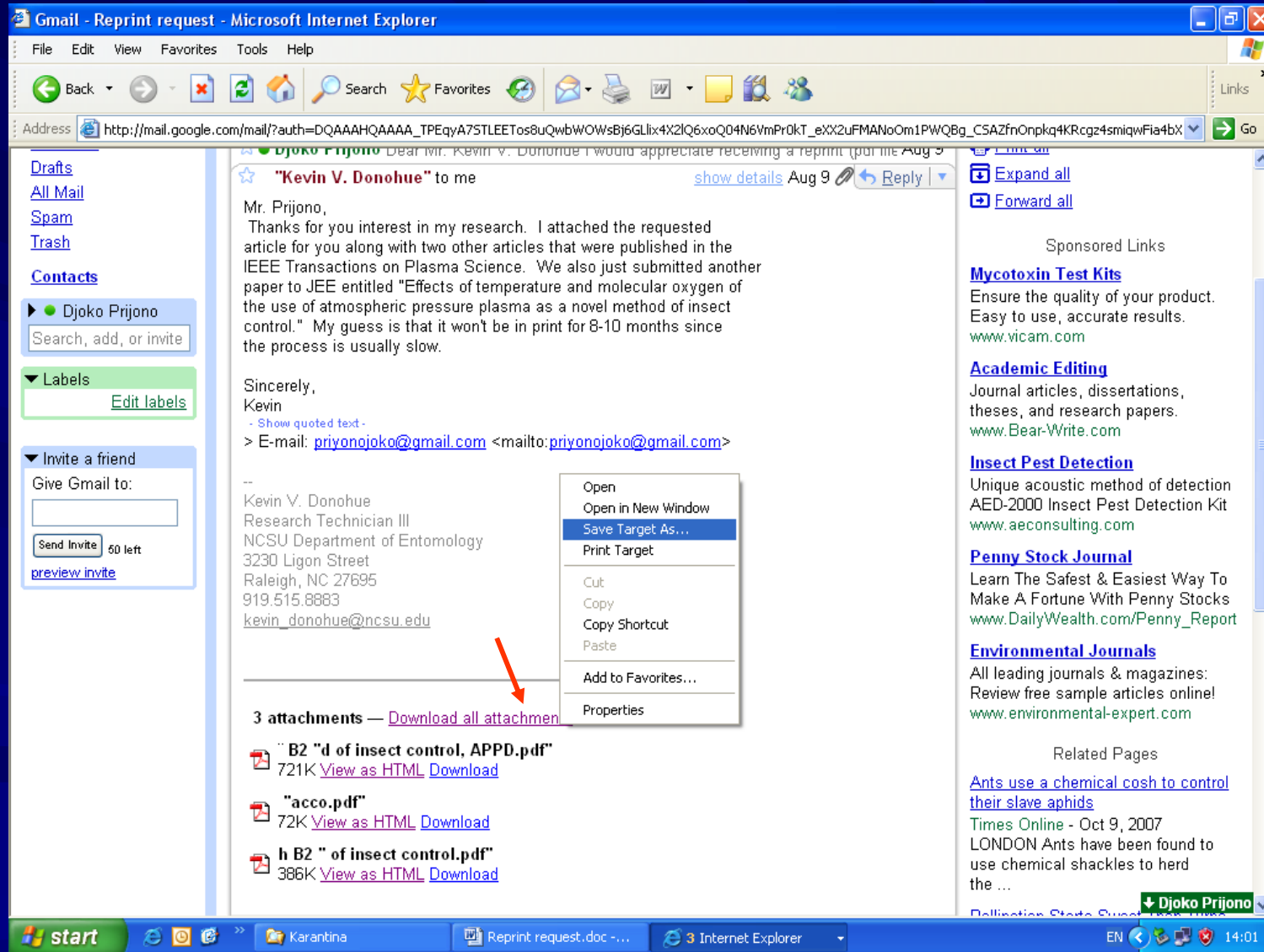
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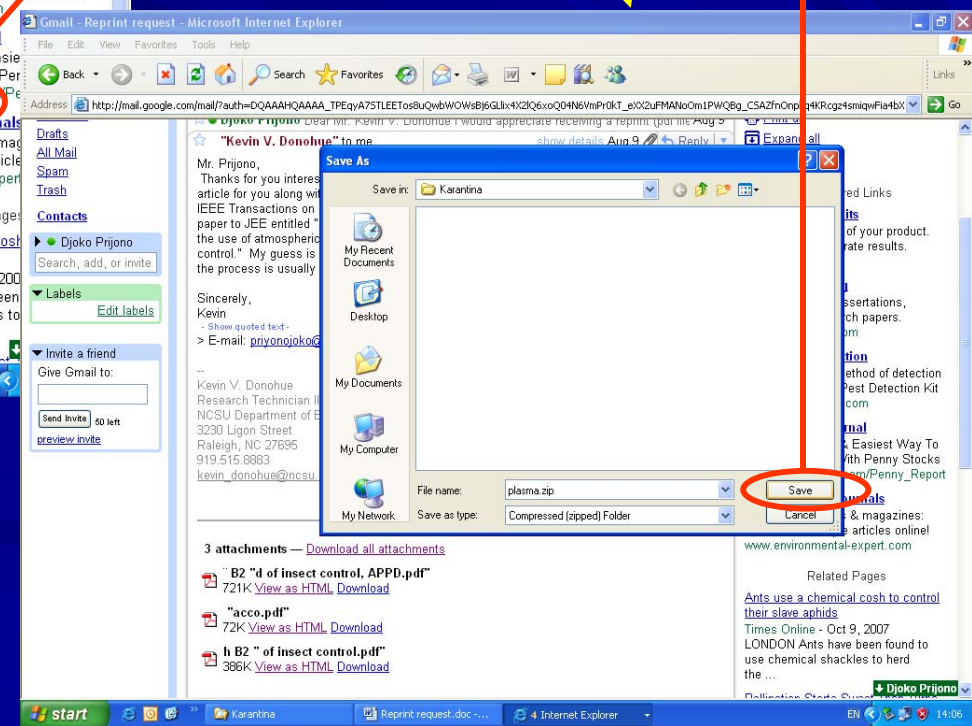
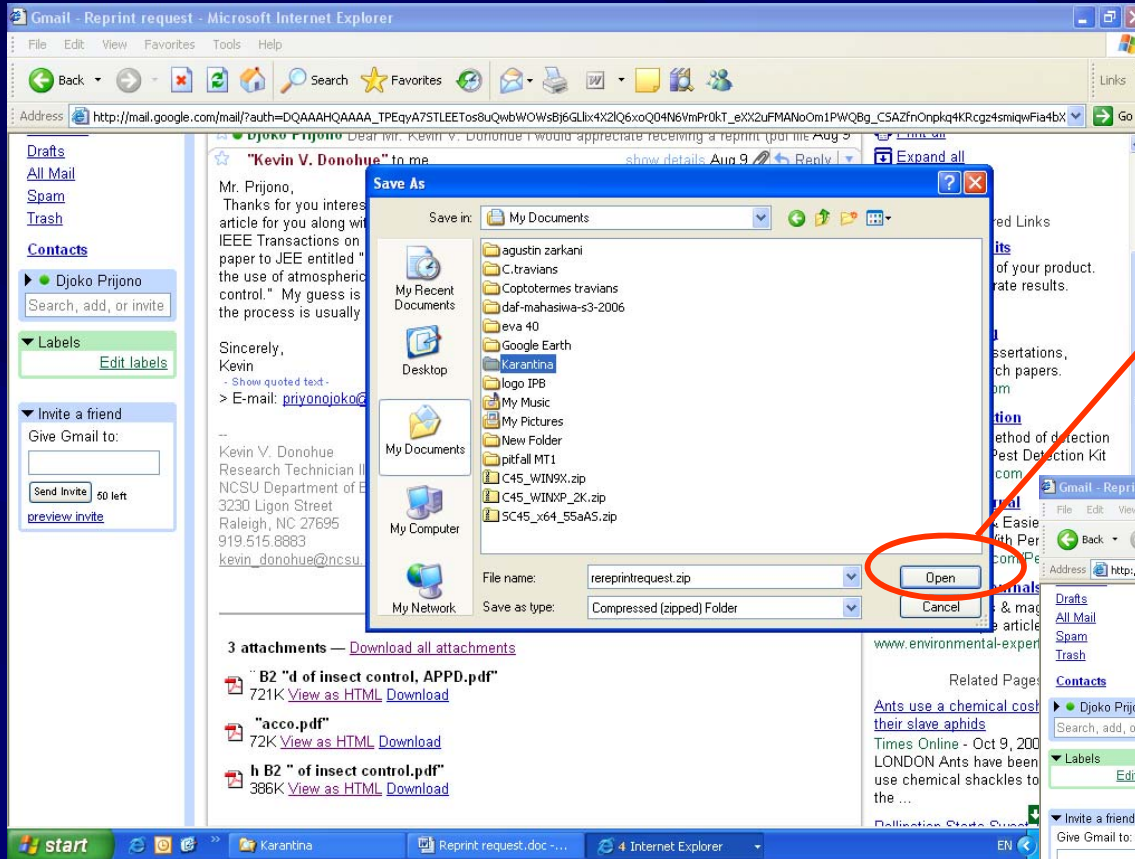
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start | Karantina | Reprint request.doc - ... | 3 Internet Explorer | EN | 14:01

➤ Mengunduh semua artikel yg dikirim (sbg *attachment* e-mail), klik tombol kanan *mouse*



➤ Menyimpan file yg diunduh pada folder tertentu



➤ File yg diunduh telah tersimpan pada folder tertentu

The image displays two overlapping screenshots of a Windows Explorer window. The top-left screenshot shows the 'Karantina' folder in the left-hand pane, with 'plasma.zip' (993 KB) highlighted by a red circle. A red arrow points from this circle to the text 'Klik ganda' (Double-click). The bottom-right screenshot shows the 'plasma.zip' folder open, with its contents (three PDF files) also circled in red. The taskbar at the bottom shows the 'Karantina' folder and 'plasma.zip' are active.

Klik ganda

Folder Tasks

- Extract all files

Other Places

- Karantina
- My Documents
- Shared Documents
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Details

Bures et al, 2004
Visualization of helium DBD with aphids on tobacco.pdf

Bures et al, 2006, Nonc...

Donohue et al, 2006, Mode of action of a novel nonchemical method of insect control, APPD.pdf

➤ Halaman pertama dari salah satu artikel yg diunduh (pdf)

Acrobat Reader - [Donohue et al, 2006, Mode of action of a novel nonchemical method of insect control, APPD.pdf]

File Edit Document View Window Help

COMMODITY TREATMENT AND QUARANTINE ENTOMOLOGY

Mode of Action of a Novel Nonchemical Method of Insect Control: Atmospheric Pressure Plasma Discharge

KEVIN V. DONOHUE,¹ BRIAN L. BURES,² MOHAMED A. BOURHAM,² AND R. MICHAEL ROE¹

J. Econ. Entomol. 99(1): 38-47 (2006)

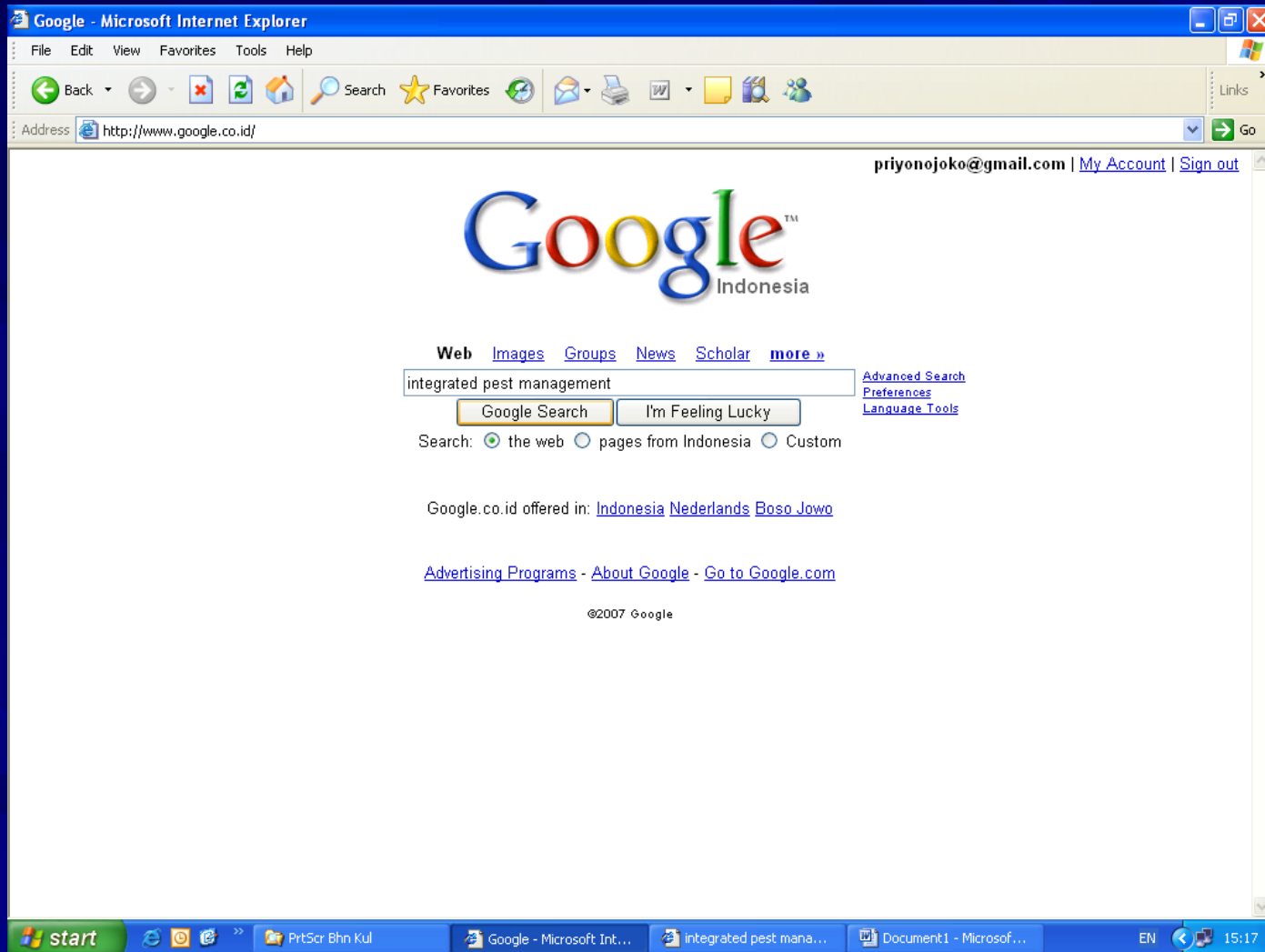
ABSTRACT Atmospheric pressure plasma discharge (APPD) has been applied to a number of industrial applications, including the bacterial sterilization of medical equipment of bacteria. APPD may also have applications in insect control. A positive correlation was found between exposure time to APPD and mortality of western flower thrips, *Frankliniella occidentalis* (Pergande); tobacco thrips, *Frankliniella fusca* (Hinds); Asian tiger mosquito, *Aedes albopictus* (Skuse); twospotted spider mite, *Tetranychus urticae* Koch; and German cockroach, *Blattella germanica* (L.), with the level of mortality also increasing with time after treatment. Cockroaches exposed to APPD for 60, 90, 120, and 180 s lost on average 7.5 ± 0.8 , 8.1 ± 0.6 , 8.7 ± 0.4 , and 10.1 ± 1.1 (± 1 SEM) mg of water weight, respectively, which was an increase over that of the controls. The metabolic rate of cockroaches exposed to plasma for 180 s increased from 0.79 ± 0.03 to 1.07 ± 0.04 ml of oxygen consumed mg-cockroach⁻¹ h⁻¹ at standard temperature and pressure. The level of cuticular hydrocarbons identified by electron impact gas chromatography-mass spectrometry were not significantly affected by plasma exposure in the green peach aphid, *Myzus persicae* (Sulzer), German cockroach, and citrus mealybug, *Planococcus citri* (Risso), except for a reduction in n-tritriacontane in the latter. However, changes in the behavior of cockroaches after plasma exposure, including the loss of photo-, vibro-, and thigmotropic responses, inability to right themselves, and hyperexcitatory symptoms, suggest that the site of action of APPD in insects is the nervous and/or neuromuscular system.

KEY WORDS atmospheric pressure plasma, insect control, dielectric barrier discharge, quarantine

200% 1 of 10 6.88 x 10 in

start Karantina plasma.zip Reprint request... Internet Expl... Acrobat Reader ... EN 14:13

- Mencari informasi dari Internet melalui Google, misal tentang "*integrated pest management*"



➤ Hasil pencarian dgn Google ttg *integrated pest management*

integrated pest management - Google Search - Microsoft Internet Explorer

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Biointensive Integrated Pest Management (IPM)
This publication provides the rationale for biointensive Integrated Pest Management (IPM).

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➤ Contoh situs web yg berisi informasi ttg *integrated pest management*, yaitu program IPM Universitas California

UC Statewide Integrated Pest Management Program - Microsoft Internet Explorer

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- [Wise Ways to Get the IPM Service You Want](#), New Workshop
- [Cooperative Extension IPM Demonstration Grants Program](#), Request for Proposals
- [Strawberry Guidelines in Spanish](#), New Publication

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memilih bidang pertanian dan tanaman hias

start | PrtScr Bhn Kul | Google - Microsoft Int... | UC Statewide Integra... | IPM.doc - Microsoft ... | EN | 15:19

➤ Hasil pemilihan *Pest Management Guidelines* untuk bidang pertanian dan tanaman hias, >> memilih *lettuce*

The screenshot shows a Microsoft Internet Explorer browser window displaying the UC IPM Pest Management Guidelines website. The address bar shows the URL: <http://www.ipm.ucdavis.edu/PMG/crops-agriculture.html>. The page content includes a navigation menu on the left, a main content area with a list of crops, and a 'More information' section at the bottom.

Navigation Menu (Left):

- How to Manage Pests
 - Home & garden
 - Agriculture
 - Exotic & invasive
 - Weather data & products
 - Degree-days
 - Interactive tools & models
- Educational Resources
 - Publications & more
 - Workshops and events
 - PCA exam helper
 - Pesticide Information
- Research and IPM
 - Grants programs
 - Funded-project results
- What's new
- In the news
- Announcements
- Site index
- Help
- Acknowledgments
- UC ANR: more topics

Main Content Area:

Year-Round Programs:

- Alfalfa
- Apricot
- Almond
- Avocado
- Citrus
- Cotton
- Grape
- Nectarine
- Peach
- Pear
- Plum
- Potato
- Prune
- Strawberry
- Tomato
- Walnut

Includes Year-Round Program, with annual checklist.

- Alfalfa **Updated**
- Almond
- Apple
- Apricot
- Artichoke
- Asparagus
- Avocado
- Barley (see [Small Grains](#))
- Beans (see [Dry Bean](#))
- Bermudagrass Seed Production
- Blackberries (see [Caneberries](#))
- Broccoli (see [Cole Crops](#))
- Brussels Sprouts (see [Cole Crops](#))
- Cabbage (see [Cole Crops](#))
- Caneberries (Blackberries, Raspberries)
- Carrot
- Cauliflower (see [Cole Crops](#))
- Celery
- Cherry
- Citrus
- Cole Crops
- Corn
- Cotton
- Cucumber (see [Cucurbits](#))
- Cucurbits
- Dry Beans
- Fig
- Floriculture
- Garlic
- Grape
- Grapefruit (see [Citrus](#))
- Kiwifruit
- Lemon (see [Citrus](#))
- Lettuce
- Melons (see [Cucurbits](#))
- Nectarine
- Oats (see [Small Grains](#))
- Olive
- Onion
- Orange (see [Citrus](#))
- Ornamental Nurseries
- Peach
- Pear
- Pecan
- Peppermint
- Peppers
- Pistachio
- Plum
- Potato
- Prune
- Pumpkin (see [Cucurbits](#))
- Raspberries (see [Caneberries](#))
- Rice
- Rye (see [Small Grains](#))
- Small Grains
- Spinach
- Squash (see [Cucurbits](#))
- Strawberry
- Sugarbeet
- Tomato
- Turfgrass, Commercial
- Walnut
- Wheat (see [Small Grains](#))

More information

- Pests of [homes, gardens, landscapes, and turf](#)—including *Pest Notes*
- [Weed Photo Gallery](#) ~ [Natural Enemies Gallery](#) ~ [more identification helpers](#)
- [Pesticides and water quality](#)

- Hasil pemilihan *Pest Management Guidelines* untuk tanaman tomat, >> memilih *turnip mosaic*

Lettuce Pest Management Guidelines--UC IPM - Microsoft Internet Explorer

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Back Forward Stop Home Search Favorites Refresh Print Mail New Tab

Address <http://www.ipm.ucdavis.edu/PMG/selectnewpest.lettuce.html> Go

COLE CROPS AND LETTUCE
Integrated Pest Management for Cole Crops and Lettuce

- [Relative Toxicities of Insecticides and Miticides Used in Lettuce to Natural Enemies and Honey Bees](#) (8/07)
- [General Properties of Fungicides](#) (8/07)

Diseases

- [Alfalfa Mosaic](#) (8/07)
- [Anthracnose](#) (8/07)
- [Aster Yellows](#) (8/07)
- [Bacterial Leaf Spot](#) (8/07)
- [Beet Western Yellows](#) (8/07)
- [Beet Yellow Stunt](#) (8/07)
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- [Corky Root](#) (8/07)
- [Downy Mildew](#) (8/07)
- [Fusarium Wilt](#) (8/07)
- [Lettuce Chlorosis and Lettuce Infectious Yellows](#) (8/07)
- [Lettuce Dieback](#) (8/07)
- [Lettuce Drop](#) (8/07)
- [Lettuce Mosaic](#) (8/07)
- [Phoma Basal Rot](#) (8/07)
- [Powdery Mildew](#) (8/07)
- [Rhizoctonia Diseases](#) (8/07)
- [Tomato Spotted Wilt](#) (8/07)
- [Turnip Mosaic](#) (8/07)
- [Varnish Spot](#) (8/07)
- [Verticillium Wilt](#) (8/07)

Weeds

- [Lettuce Weed Photo Gallery, with Common and Scientific Names](#) (8/07)
- [Integrated Weed Management](#) (8/07)
- [Weed Management for Organic Lettuce Production](#) (8/07)
- [Special Weed Problems](#) (8/07)
- [Susceptibility of Weeds to Herbicide Control](#) (8/07)
- [Herbicide Treatment Table](#) (8/07)

Nematodes

- [Nematodes](#) (8/07)

More information

- [Natural Enemies Gallery](#)
- [Research projects related to lettuce](#)

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- Hasil pemilihan *Pest Management Guidelines* utk *turnip mosaic* pada *lettuce*, >> pilih menu *File* dan *Save as* utk menyimpan file

The screenshot shows a Microsoft Internet Explorer browser window with the title "UC IPM: UC Management Guidelines for Turnip Mosaic on Lettuce". The "File" menu is open, and the "Save As..." option is highlighted with a red arrow. The website content includes a navigation menu on the left, a main heading "Lettuce Turnip Mosaic", and sections for "SYMPTOMS", "COMMENTS ON THE DISEASE", and "MANAGEMENT".

UC IPM: UC Management Guidelines for Turnip Mosaic on Lettuce

File Edit View Favorites Tools Help

New
Open... Ctrl+O
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UC IPM
How to Manage Pests [Printer-friendly version](#)
Turnip Mosaic Management Guidelines
[More pests](#) | [More crops](#) | [About guidelines](#)

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Lettuce
Turnip Mosaic
Pathogen: *Turnip mosaic virus*
(Reviewed 8/07, updated 8/07)

In this Guideline:

- [Symptoms](#)
- [Publication](#)
- [Comments on the disease](#)
- [Glossary](#)
- [Management](#)

SYMPTOMS
Early symptoms of turnip mosaic include numerous, small, light green, circular and irregular lesions on leaves. Later symptoms include curvature of the midrib and asymmetrical distortion of the leaf blade. Lettuce infected early may be stunted. The disease is occasionally lethal.

COMMENTS ON THE DISEASE
Turnip mosaic susceptibility in lettuce is restricted to crisphead lettuce types with downy mildew progenies derived from P.I. 91532. Transmission is by many species of aphids in a nonpersistent manner. The virus is not seed transmitted. The virus has a wide host range in 20 plant families and is especially common in crucifers.

MANAGEMENT
Crisphead varieties such as Climax, Great Lakes, Merit, or Vanguard are resistant. Butterhead, leaf, or Romaine lettuce types are all resistant.

start | PrtScr Bhn Kul | Google - Microsoft Int... | UC IPM: UC Manage... | IPM.doc - Microsoft ... | EN | 15:22

➤ Simpan *file* dengan nama tertentu dalam *folder* tertentu

UC IPM: UC Management Guidelines for Turnip Mosaic on Lettuce - Microsoft Internet Explorer

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How to Manage Pests
UC Pest Management Gui

Lettuce Turnip Mosaic
Pathogen: Turnip mosaic virus
(Reviewed 8/07, updated 8/07)

In this Guideline:

- [Symptoms](#)
- [Publication](#)
- [Comments on the disease](#)
- [Glossary](#)
- [Management](#)

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MANAGEMENT
Crisphead varieties such as Climax, Great Lakes, Merit, or Vanguard are resistant. Butterhead, leaf, or Romaine lettuce types are all resistant.

Save Web Page

Save in: Karantina

ISPIM

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Desktop
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File name: UC IPM UC Guide for Turnip Mosaic Lettuce

Save as type: Web Page, complete (*.htm;*.html)

Encoding: Western European (ISO)

Save Cancel

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- Penelusuran pustaka melalui database daring artikel jurnal, misal AGRICOLA (<http://agricola.nal.usda.gov>), >> kata kunci

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➤ Menelusuri pustaka ttg *Gliocladium* dan *Fusarium*

NAL Catalog (AGRICOLA): Keyword Search - Microsoft Internet Explorer

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AND OR NOT

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AND OR NOT

Search: as a phrase In: Title

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➤ Daftar artikel ttg *Gliocladium* dan *Fusarium*, >> pilih artikel

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Search Results: Displaying 1 through 25 of 60 entries.

1 26 51 Next

#	Date	Title Long	Author
<input type="checkbox"/> [1]	2004	Biotransformation of ent-13-epi-manoyl oxides difunctionalized at C-3 and C-12 by filamentous fungi.	Garcia-Granados, A.
<input type="checkbox"/> [2]	2004	Mycobiota associated with the coffee berry borer (Coleoptera: Scolytidae) and its galleries in fruit.	Carrion, G.
<input type="checkbox"/> [3]	2004	One-step, immunochromatographic lateral flow device specific to <i>Rhizoctonia solani</i> and certain related species, and its use to detect and quantify <i>R. solani</i> in soil.	Thornton, C.R.
<input type="checkbox"/> [4]	2003	Detoxification of fusaric acid by a nonpathogenic <i>Colletotrichum</i> sp.	Fakhouri, W.
<input type="checkbox"/> [5]	2003	Efficacy of biological and chemical treatments for control of <i>Fusarium</i> root and stem rot on greenhouse cucumber.	Rose, S.
<input type="checkbox"/> [6]	2003	Endophytic <i>Gliocladium</i> sp. of <i>Eucryphia cordifolia</i> producing selective volatile antimicrobial compounds.	Stinson, M.

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Brief Record **Full Record** **MARC Record**

Efficacy of biological and chemical treatments for control of Fusarium root...

Title: Efficacy of biological and chemical treatments for control of *Fusarium* root and stem rot on greenhouse cucumber.

Author: Rose, S.

Other Author(s): Parker, M.
Punja, Z.K.

Source Info: Plant disease. 2003 Dec., v. 87, no. 12
p. 1462-1470.
ISSN 0191-2917

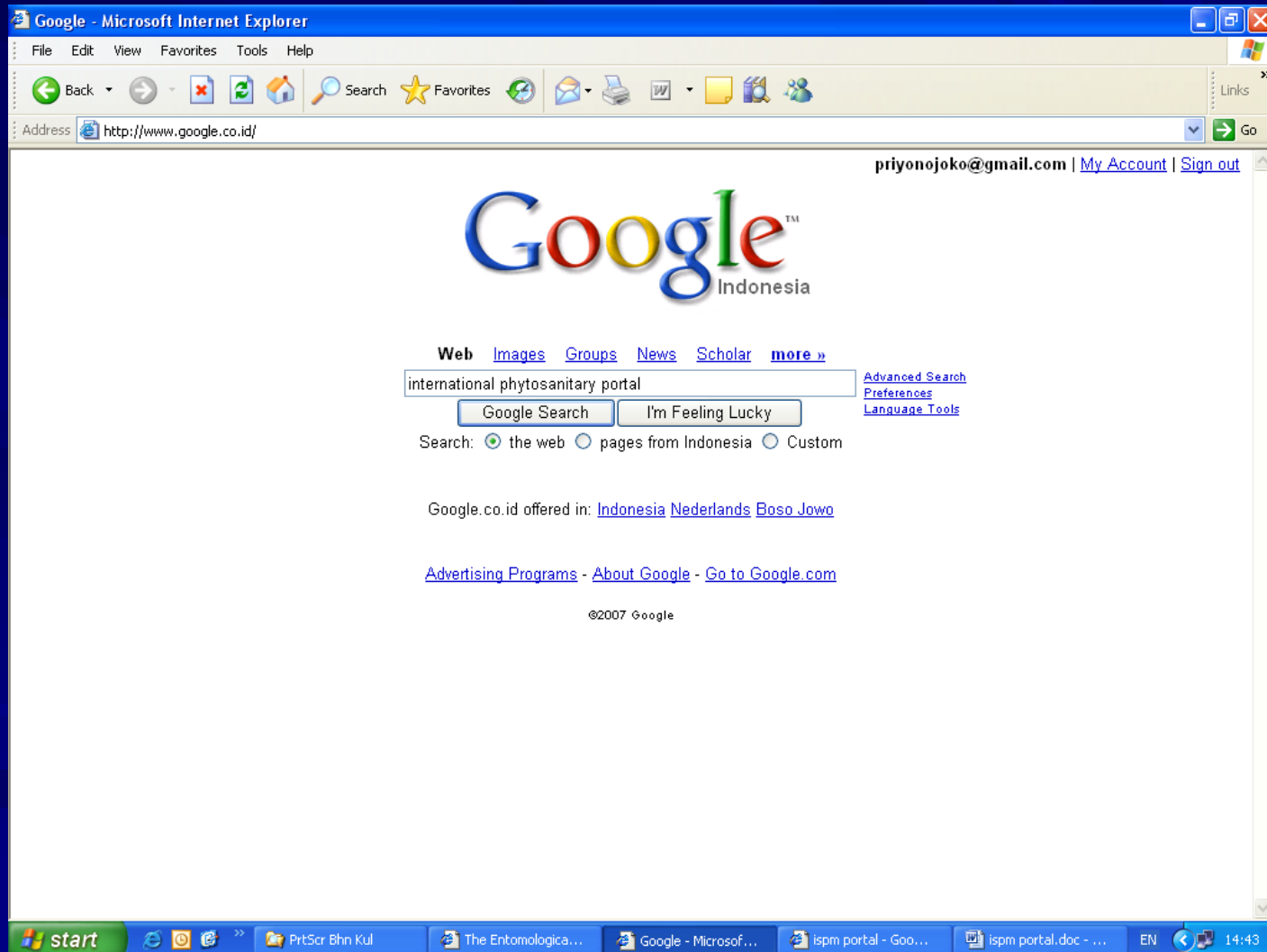
Abstract: Potential disease control methods were evaluated against root and stem rot of cucumber (*Cucumis sativus*) caused by *Fusarium oxysporum* f. sp. *radicis-cucumerinum*. Crab/shrimp shell chitin; three composted media; the biological control agents *Pseudomonas chlororaphis* strain 63-28, *Trichoderma harzianum* (RootShield Drench), *Streptomyces griseoviridis* (Mycostop), *Gliocladium catenulatum* (Prestop WP, Prestop Mix), and *Trichoderma (Gliocladium) virens* (SoilGard); and the fungicides thiram or benomyl were added at seeding time followed by inoculation with the pathogen. The addition of chitin (4%, vol/vol) to a peat-based medium significantly (P less than or equal to 0.05) enhanced seedling growth, increased soil pH, and reduced *F. oxysporum* f. sp. *radicis-cucumerinum* populations, but the severity of disease was increased. The addition of composted media (greenhouse compost, windrow composted dairy solids, and vermi-composted dairy solids) to the seeding cavity in a rock wool block medium, followed 48 h later by inoculation with *F. oxysporum* f. sp. *radicis-cucumerinum*, reduced seedling mortality when measured after 37 days. Greenhouse compost was significantly (P less than or equal to 0.05) more suppressive than the other two composts, and the suppression was partially eliminated by sterilization of the compost. The biological control agent *G. catenulatum* (formulated as Prestop WP and Prestop Mix) significantly reduced seedling mortality when it was applied at seeding 24 h prior to inoculation with the pathogen in the rock wool block medium. None of the other biological control agents reduced disease incidence when compared with control plants under these experimental conditions. *Pseudomonas chlororaphis* and the fungicide thiram both significantly reduced plant mortality at 17 and 24 degrees C when pathogen-infested seed was treated, or when bacteria-treated and fungicide-treated seed were planted into pathogen-infested peat medium at 24 degrees C. Under semicommercial propagation conditions, treatments consisting of Prestop WP, RootShield Drench, Mycostop, and windrow composted dairy solids reduced the severity of disease caused by *F. oxysporum* f. sp. *radicis-cucumerinum* in two out of three trials. The efficacy of the biological control agents was affected by seasonal differences in growing conditions, which affected the incidence and severity of the disease. The results from this study indicate that several different approaches can be used at seeding to control *Fusarium* root and stem rot on greenhouse cucumber.

Bibliography Note: Includes references
NAL Subject(s): *Cucumis sativus*

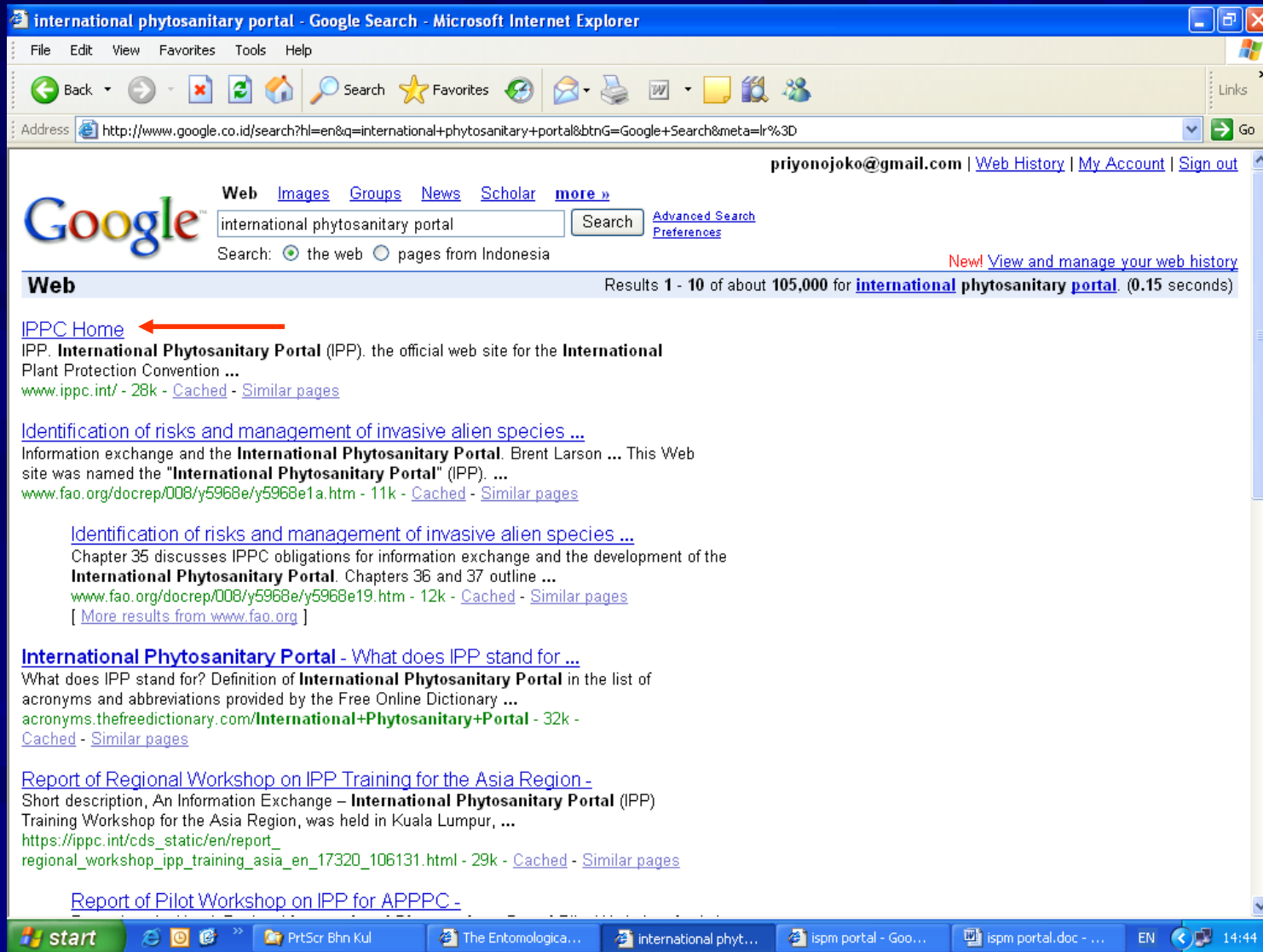
Internet

start | NAL Catalog (AGRIC...) | Welcome to the Univ... | Agricola - Microsoft ... | 5:17 PM

- Mencari informasi dari Internet melalui Google, misal tentang "*international phytosanitary portal*"



➤ Hasil pencarian dgn Google ttg *international phytosanitary portal* (situs IPPC)



international phytosanitary portal - Google Search - Microsoft Internet Explorer

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➤ Halaman muka situs web IPPC, memilih ISPM

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International Phytosanitary Portal (IPP)

the official web site for the International Plant Protection Convention

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The IPPIC is an international treaty to secure action to prevent the spread and introduction of pests of plants and plant products, and to promote appropriate measures for their control. It is governed by the Commission on Phytosanitary Measures (CPM) which adopts International Standards for Phytosanitary Measures (ISPMs). The CPM has confirmed the IPP as the preferred forum for national IPPIC reporting and the exchange of more general information among the phytosanitary community. The IPPIC Secretariat coordinates the activities of the Convention and is provided by the FAO.

Welcome to Kuwait

as a new IPPIC contracting party in September 2007.

All National Information

- NPPO Contact & Information Points
 - contracting parties
 - non-contracting parties
- News
- Statistics

Basic reporting

- Pest Reports
- Phytosanitary Regulations
- Lists of Regulated Pests
- Points of Entry

IPPIC Hot Topics

- IPPIC Evaluation Report, 22 May 2007
- CPM response to the IPPIC Evaluation Report, June 2007
- Draft ISPMs for Member Consultation
- Draft Diagnostic Protocol for Member Consultation - Fast Track

Convention (IPPIC)

- Convention text
- Contracting parties
- Benefits of membership
- Adherence

The Commission (CPM)

- About the CPM
- Report of 2nd CPM
- Business Plan of the CPM
- 3rd CPM Rome, April 2008
- All CPM/ICPM Reports

Standards (ISPMs)

- Adopted ISPMs
- Draft ISPMs for country consultation
- Specifications for ISPMs

Recent IPPIC News

News: [All IPPIC](#) [NPPO](#) [RPPO](#)

- 03/09/2007 2007 procedural manual available
- 13/08/2007 Training Workshop on the Use of Irradiation as a Phytosanitary Treatment
- 30/07/2007 Update: CPM response to the IPPIC External Evaluation report
- 06/09/2007 Update: Call for nominations of experts

memilih ISPM

➤ Informasi pengantar tentang ISPM dalam situs web IPPC

Standards (ISPMs) - - Microsoft Internet Explorer

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International Phytosanitary Portal (IPP)

the official web site for the International Plant Protection Convention

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Path : IPPC Publications >> Standards (ISPMs)

International Standards for Phytosanitary Measures (ISPMs)

- ▶ Convention and related
- ▶ IPPC Meeting Documents
- ▶ Procedural manual
- ▶ Reports - CPM / ICPM
- ▶ Reports - Expert Working Groups
- ▶ Reports - Regional workshops on draft ISPMs
- ▶ Reports - SC
- ▶ Reports - SPTA
- ▶ Reports - TC of RPPOs
- ▶ Reports - Technical Panels
- ▶ Reports - Various
- ▶ Standards (ISPMs)
- ▶ Additional information on approved ISPMs
- ▶ Call for ISPM topics
- ▶ Call for nominations
- ▶ Call for phytosanitary treatments
- ▶ Draft ISPMs for

Adopted ISPMs are given below. As decided by the Interim Commission on Phytosanitary Measures in 2005, the standards have also been published as a book. The 2005 edition of the book of ISPMs is available below in English (with hyperlinks), French and Spanish, and individual standards are available as extracts from the book. Chinese and Arabic standards are provided when electronic files are available.

Contact points with adequate electronic communication systems are encouraged to make use of the electronic version of the book and circulate it internally in electronic form.

See the left sidebar for links to:

- additional information on some approved ISPMs
- draft ISPMs for country consultation
- specifications for ISPMs and technical panels
- submission form for topics
- translations into non-FAO languages (at the moment, Russian).

Click on "expand" for additional details on standards.

Expand text

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Publications (34) **News (1)**

start | PrtScr Bhn Kul | The Entomologica... | Standards (ISPMs... | Circular No - Micr... | ispm portal.doc - ... | EN | 14:48

➤ Publikasi ISPM dalam berbagai bahasa (dalam situs web IPPC)

Standards (ISPMs) - - Microsoft Internet Explorer

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release of biological control agents and other beneficial organisms

ISPM No. 04 (1995) Requirements for the establishment of Pest Free Areas	en, ar, es, fr	Feb 1996
ISPM No. 05 (2005) Glossary of phytosanitary terms	ar, zh	Apr 2005
ISPM No. 05 (2007) Glossary of phytosanitary terms	en, es, fr	Mar 2007
ISPM No. 06 (1997) Guidelines for surveillance	en, ar, es, fr	Nov 1997
ISPM No. 07 (1997) Export certification system	en, ar, es, fr	Nov 1997
ISPM No. 08 (1998) Determination of pest status in an area	en, ar, es, fr	Nov 1998
ISPM No. 09 (1998) Guidelines for pest eradication programmes	zh	Nov 1998
ISPM No. 10 (1999) Requirements for the establishment of pest free places of production and pest free production sites	en, es, fr	Oct 1999
ISPM No. 11 (2004) Pest risk analysis for quarantine pests including analysis of environmental risks and living modified organisms	en, ar, es, fr, zh	Apr 2004
ISPM No. 12 (2001) Guidelines for phytosanitary certificates	en, ar, es, fr, zh	Sep 2001
ISPM No. 13 (2001) Guidelines for the notification of non-compliance and emergency action	en, ar, es, fr, zh	Sep 2001
ISPM No. 14 (2002) The use of integrated measures in a systems approach for pest risk management	en, ar, es, fr, zh	Jun 2002
ISPM No. 15 (2002) Certification mark	multilanguage	May 2003
ISPM No. 15 (2002) Guidelines for regulating wood packaging material in international trade	ar, zh	Mar 2002
ISPM No. 15 (2002) with modifications to Annex I (2006) Guidelines for regulating wood packaging material in international trade	en, es, fr	Apr 2006

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➤ Memilih publikasi ISPM yg akan diunduh

The screenshot shows a Microsoft Internet Explorer browser window displaying a list of International Standards for Phytosanitary Measures (ISPM) publications. The browser's address bar shows the URL: <https://www.ippc.int/servlet/CDSServlet?status=Mj1vcmcuZmFvLndhaWNlbnQuY2RzLkRvd25sb2FkRmlsZXNSZW5kZXJlcjY0PTEzMzk5JjY9ZW4mMzM9cHVibGJyXzRpb25z>. The main content area is titled "Download files:" and contains a table with columns for "Title", "Files", and "Check All".

Title	Files	Check All
International Standards for Phytosanitary Measures 1 to 29 (2007 edition)	en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> en <input type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
International Standards for Phytosanitary Measures 2007 - Complement ... f standards	en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> en <input type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 01 (2006) Phytosanitary principles for the protection of pla... ional trade	en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 02 (2007) Framework for pest risk analysis	en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> zh <input type="checkbox"/> en <input type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 03 (2005) Guidelines for the export, shipment, import and re... l organisms	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> zh <input type="checkbox"/>	
ISPM No. 04 (1995) Requirements for the establishment of Pest Free Areas	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 05 (2005) Glossary of phytosanitary terms	ar <input type="checkbox"/> zh <input type="checkbox"/>	
ISPM No. 05 (2007) Glossary of phytosanitary terms	en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> en <input type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 06 (1997) Guidelines for surveillance	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 07 (1997) Export certification system	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 08 (1998) Determination of pest status in an area	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 09 (1998) Guidelines for pest eradication programmes	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> zh <input type="checkbox"/>	
ISPM No. 10 (1999) Requirements for the establishment of pest free pl... ction sites	en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/>	
ISPM No. 11 (2004) Pest risk analysis for quarantine pests including ... d organisms	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> zh <input type="checkbox"/>	
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ISPM No. 14 (2002) The use of integrated measures in a systems appra... management	ar <input type="checkbox"/> en <input checked="" type="checkbox"/> es <input type="checkbox"/> fr <input type="checkbox"/> zh <input type="checkbox"/>	
ISPM No. 15 (2002) Certification mark	multilanguage <input checked="" type="checkbox"/>	

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