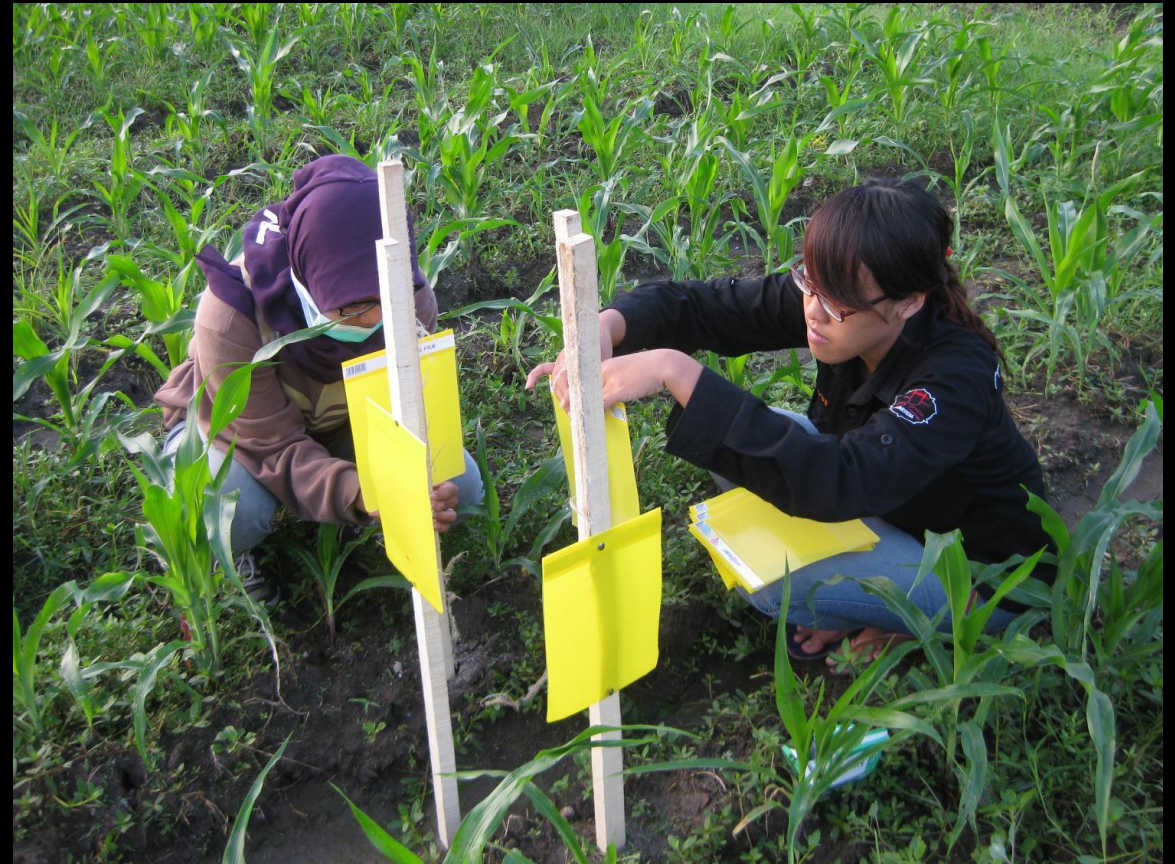


HAMA TANAMAN HORTIKULTURA, PANGAN, PERKEBUNAN, DAN PASCAPANEN

Monitoring/Koleksi Hama Tanaman



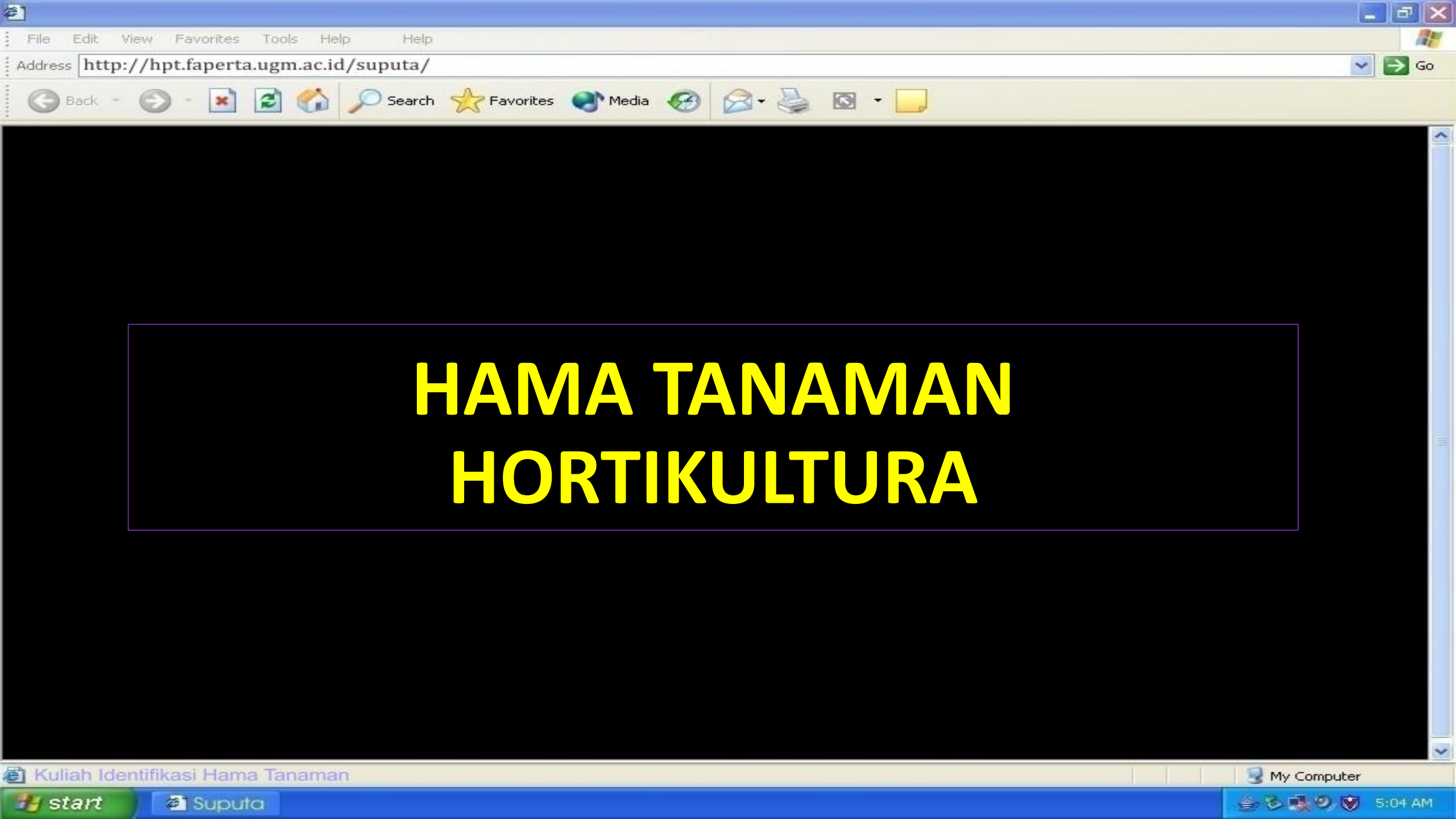


Identifikasi Hama Tanaman

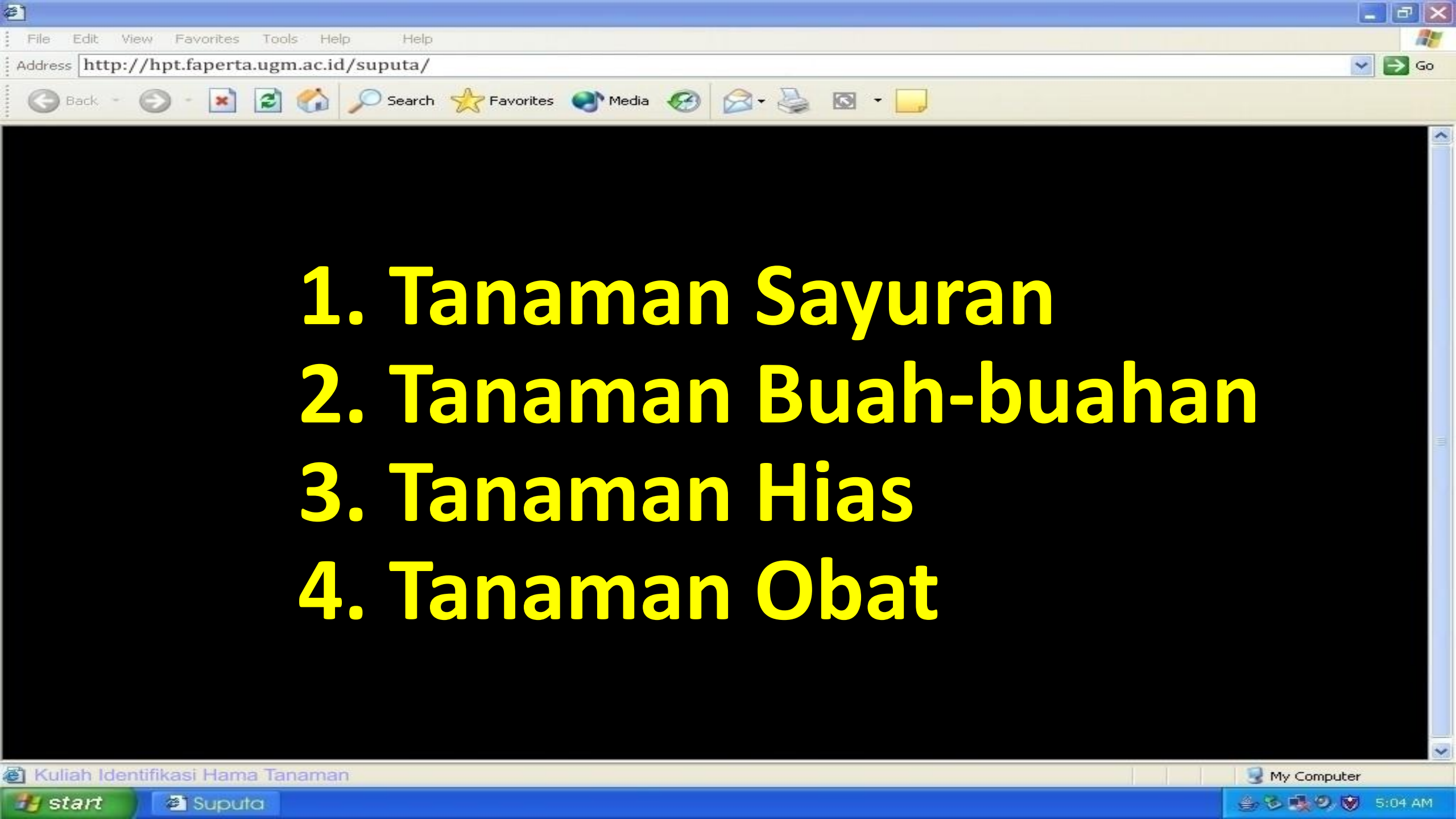


Identifikasi Hama Tanaman





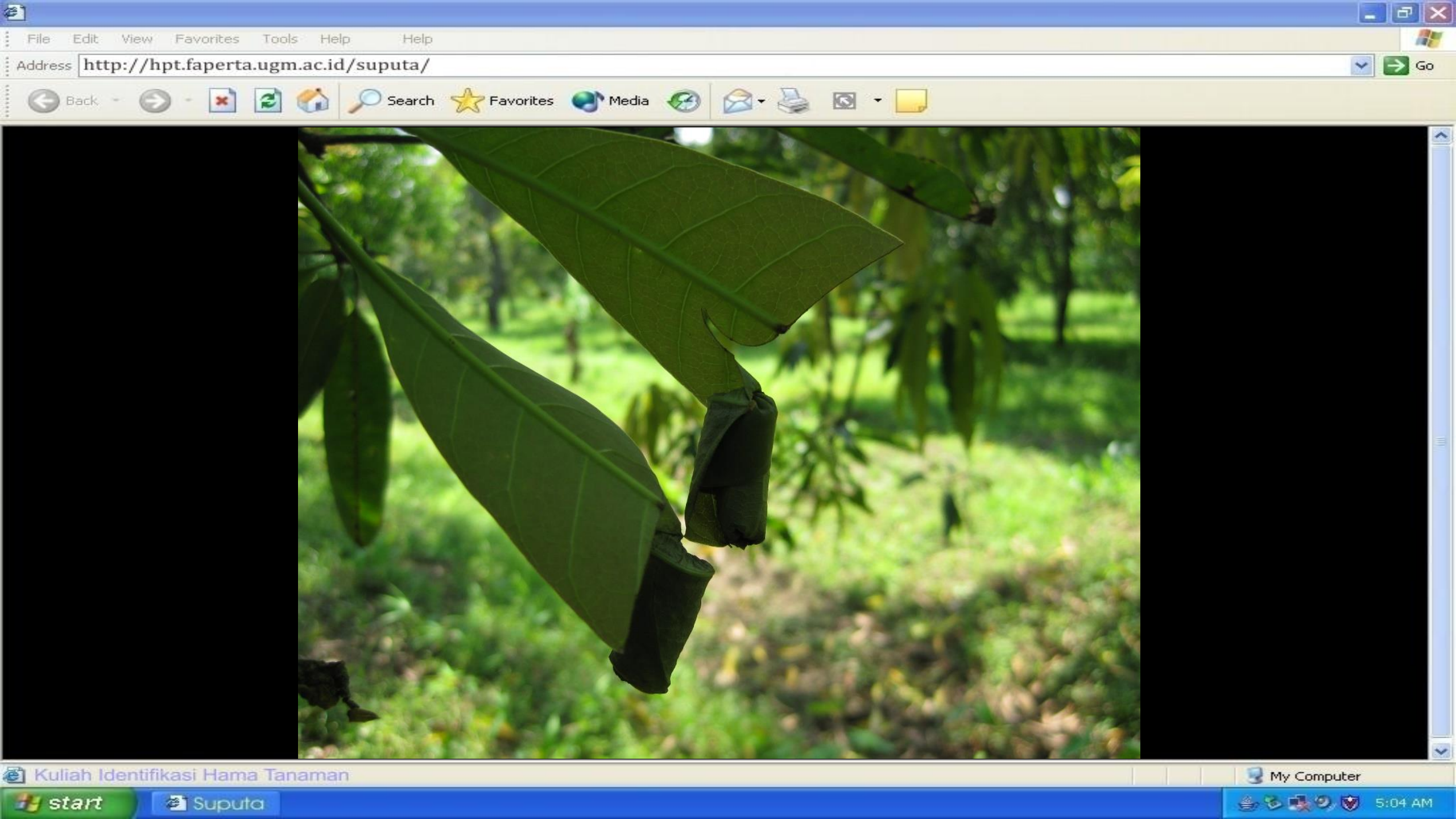
HAMA TANAMAN HORTIKULTURA

- 
- The image is a screenshot of a web browser window. The address bar shows the URL <http://hpt.faperta.ugm.ac.id/suputa/>. The browser's toolbar includes buttons for Back, Forward, Stop, Reload, Home, Search, Favorites, Media, and a printer icon. The main content area of the browser displays a list of four plant types in large, bold, yellow text on a black background. The Windows taskbar at the bottom shows the Start button, a taskbar with 'Suputa' and 'My Computer' icons, and a system tray with the time '5:04 AM'.
1. Tanaman Sayuran
 2. Tanaman Buah-buahan
 3. Tanaman Hias
 4. Tanaman Obat









File Edit View Favorites Tools Help Help

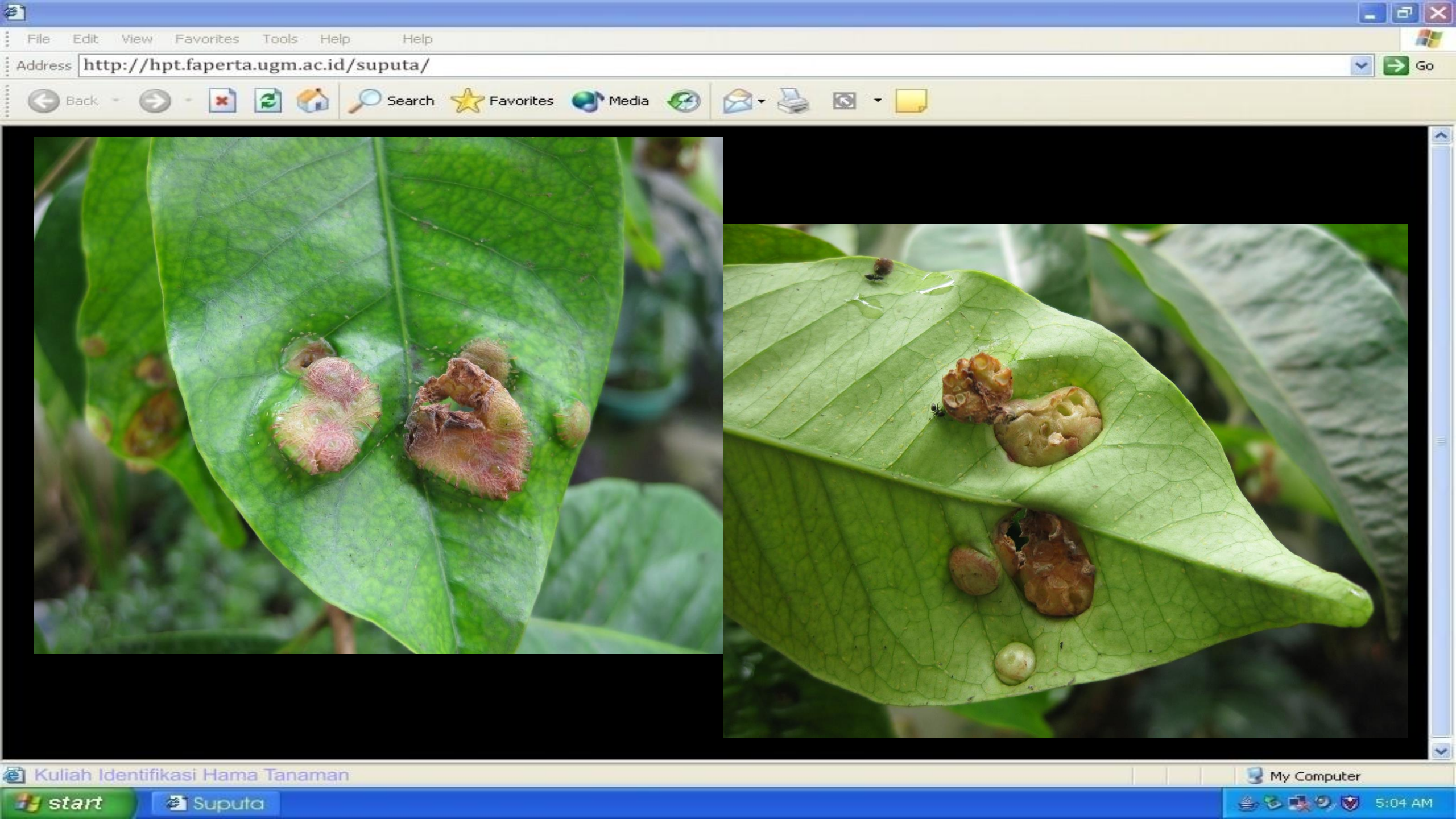
Address <http://hpt.faperta.ugm.ac.id/suputa/>

Back Forward Stop Reload Home Search Favorites Media

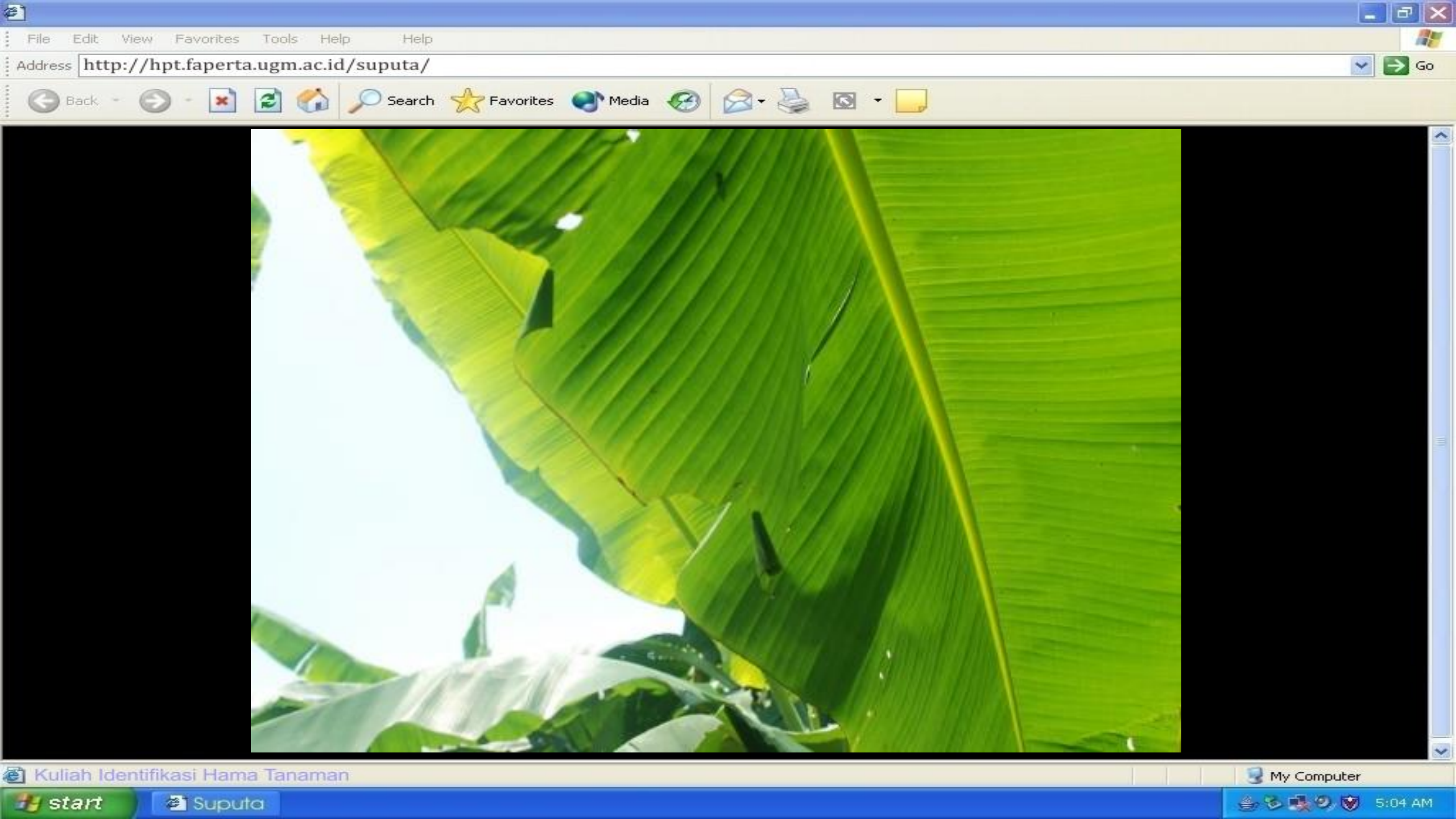


Kuliah Identifikasi Hama Tanaman

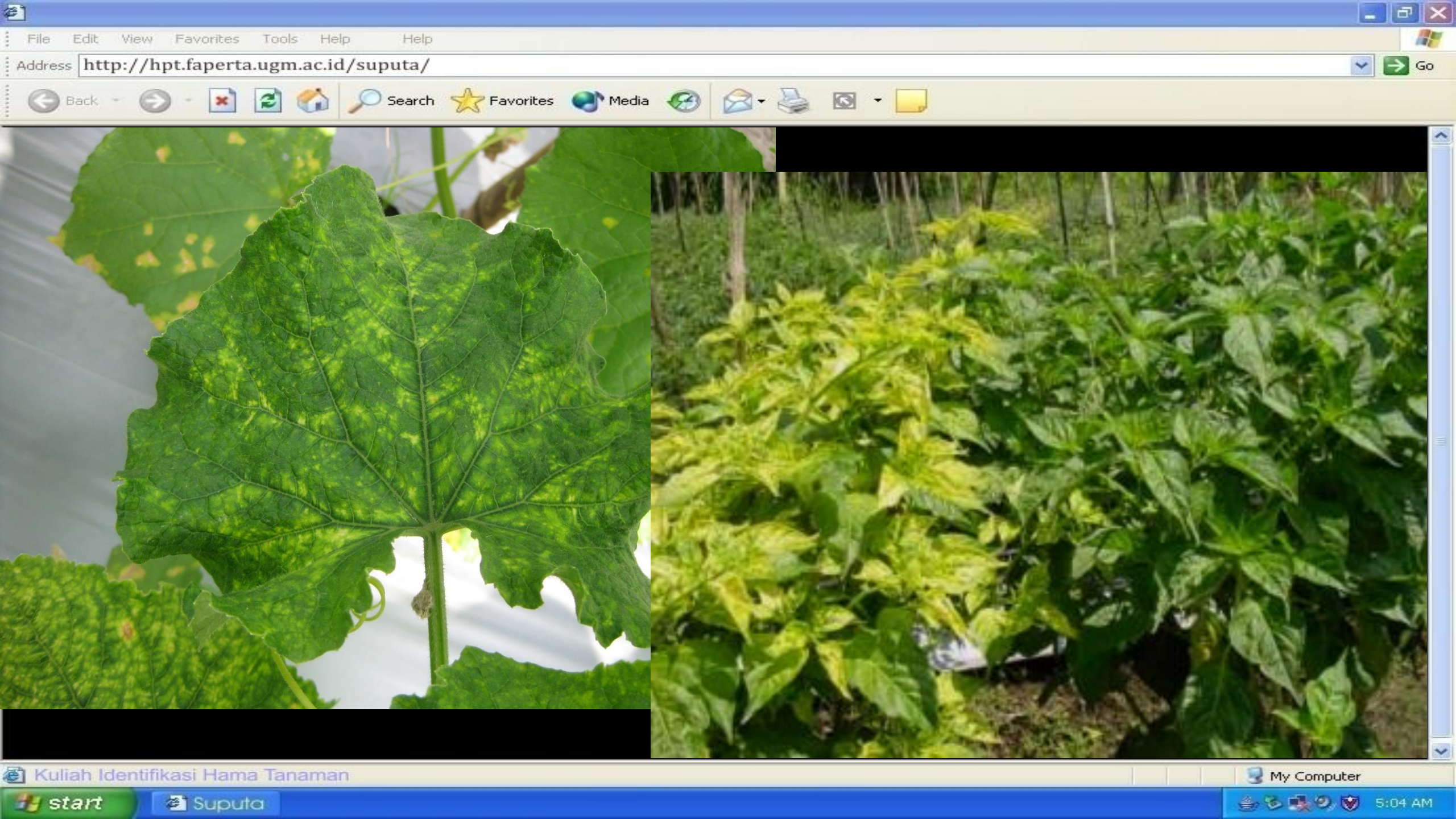
start Suputa My Computer 5:04 AM













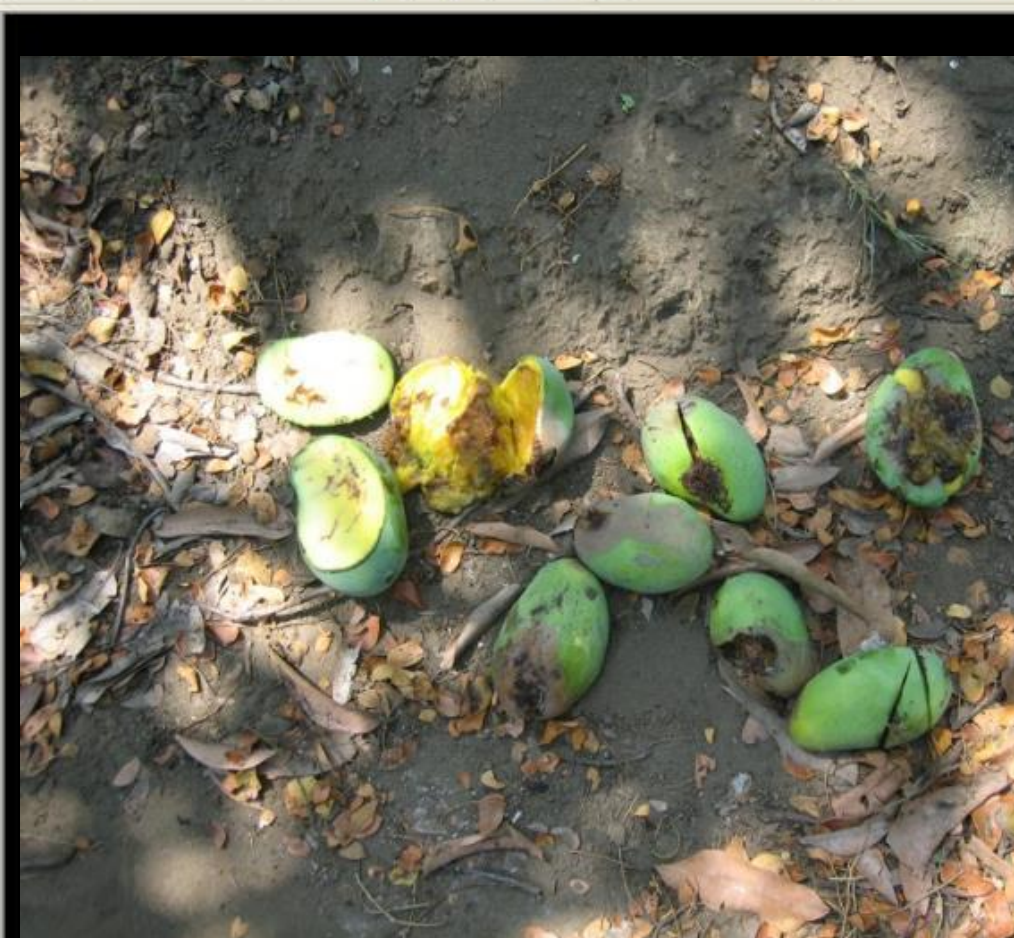


Citripestis sagittiferella (Moore)

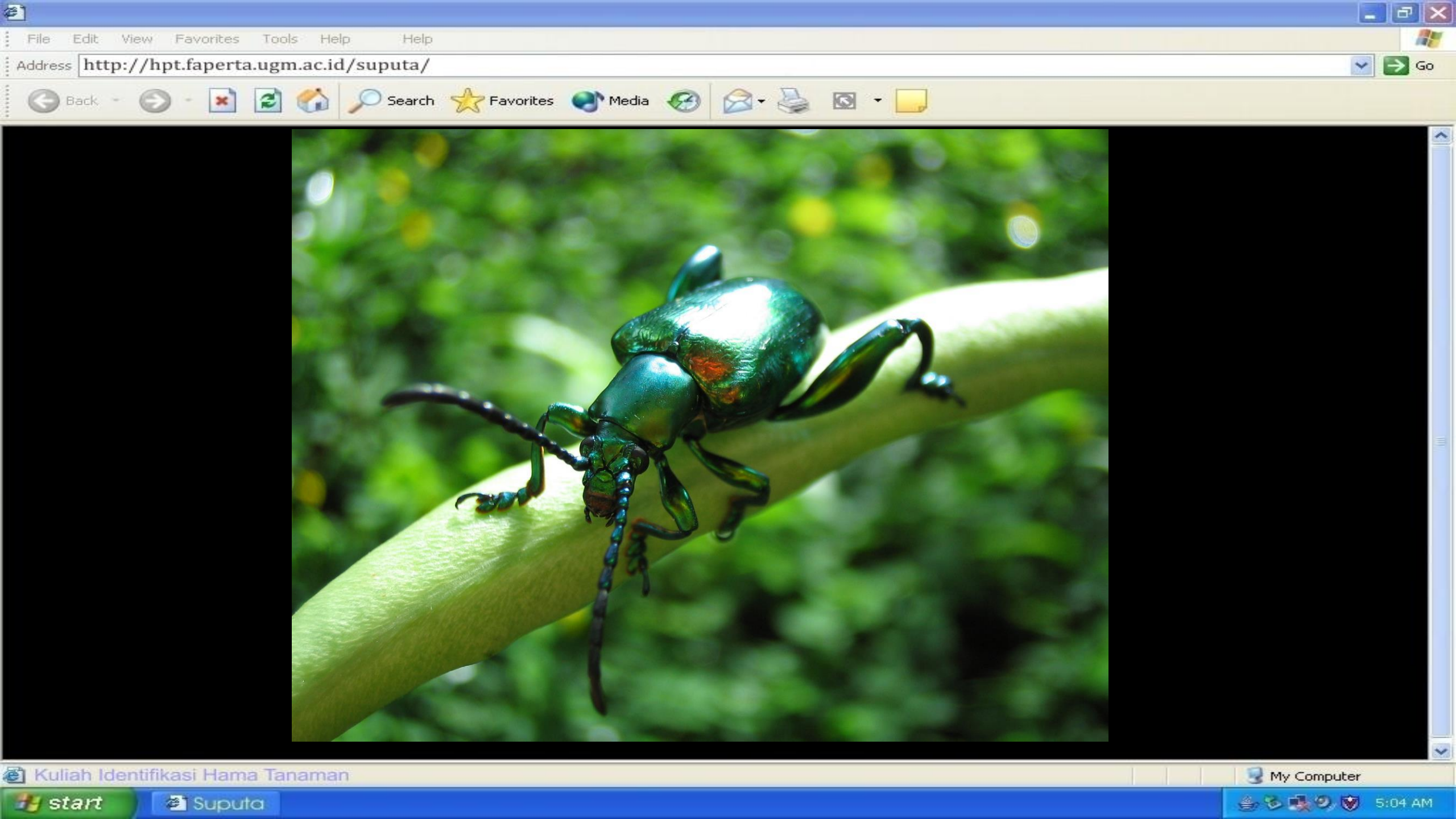
Kolektor:
Setiyono (PHP Madiun)

Identification & Photo by Suputa UGM 2010



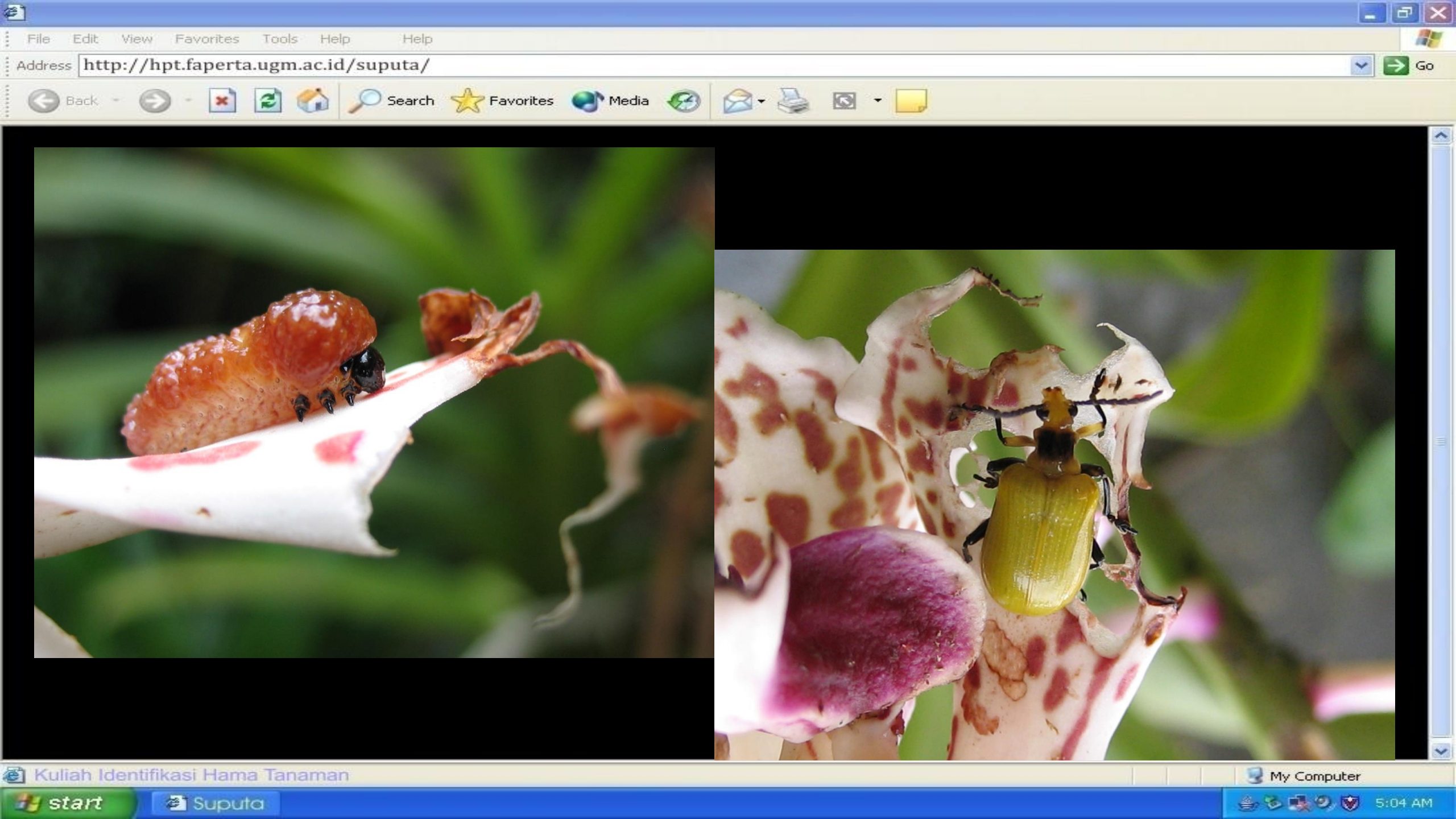








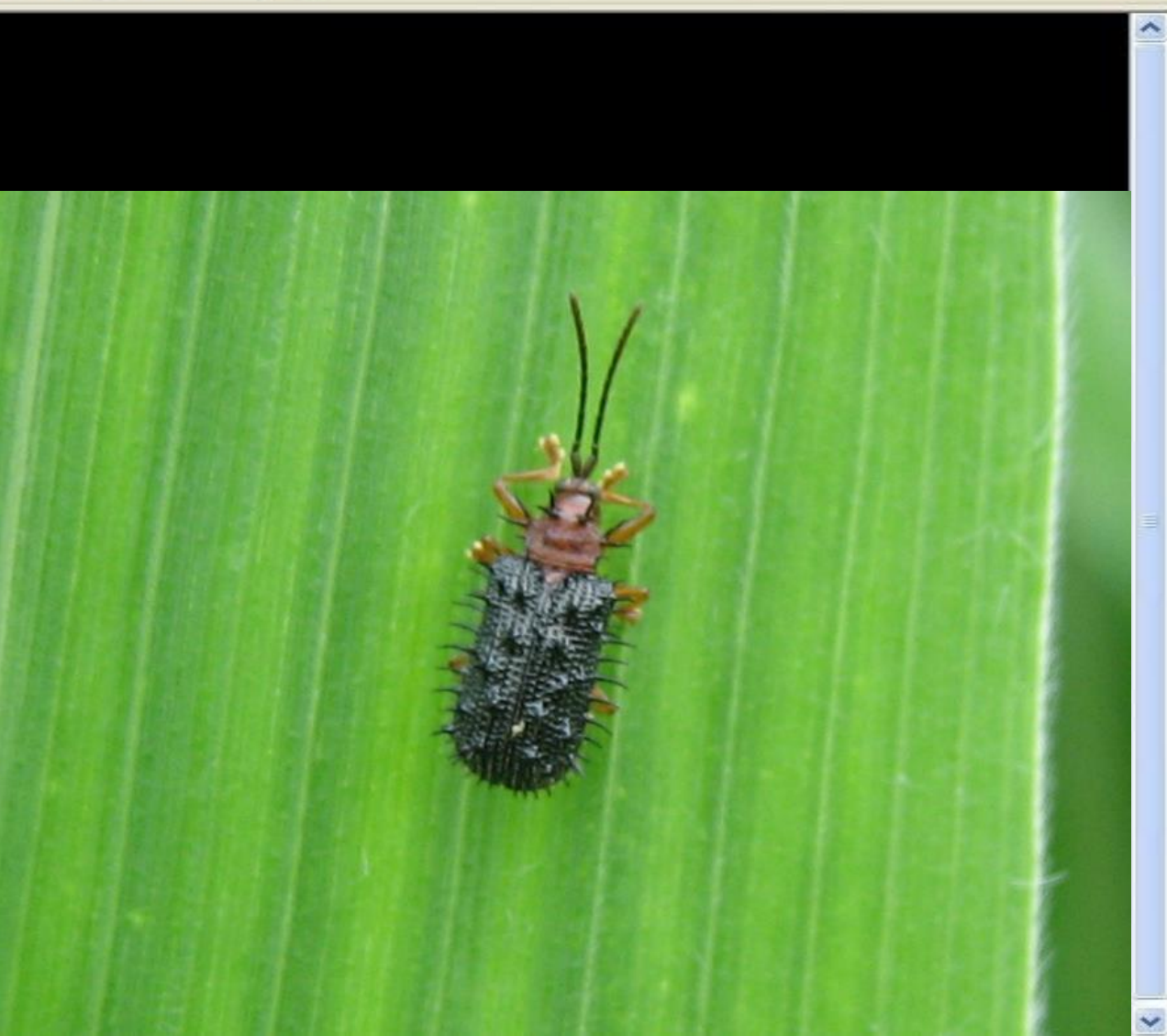


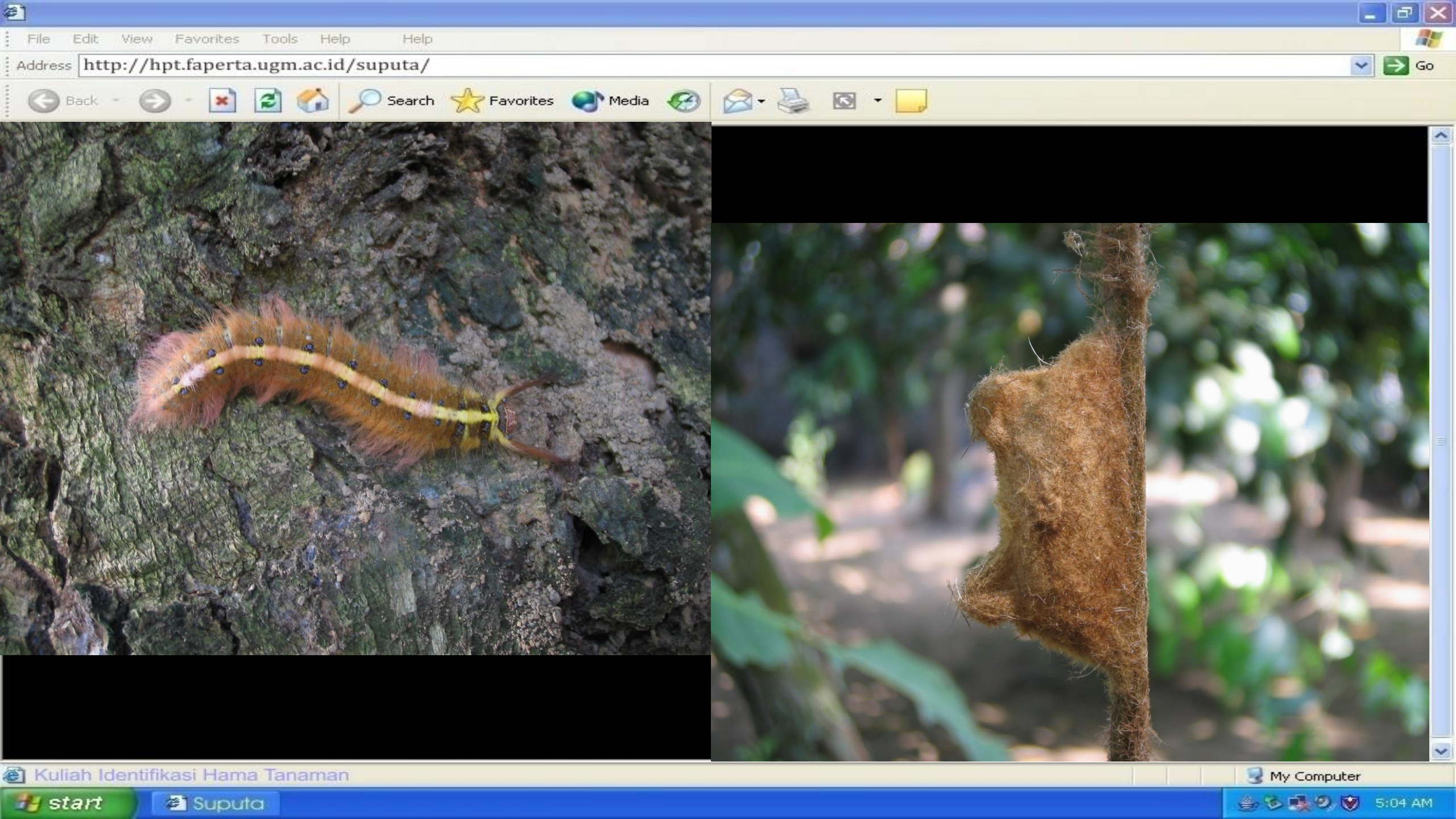


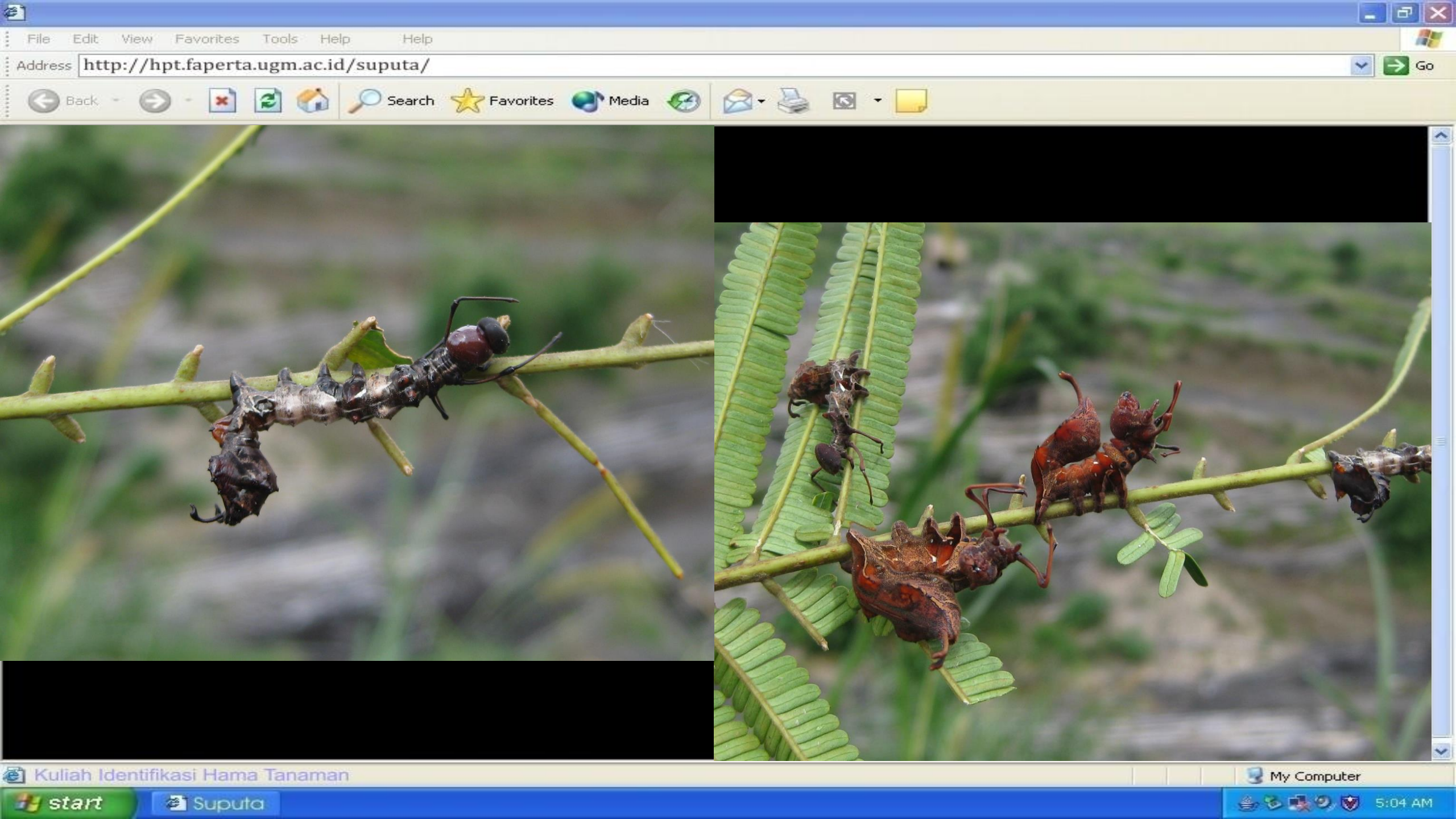


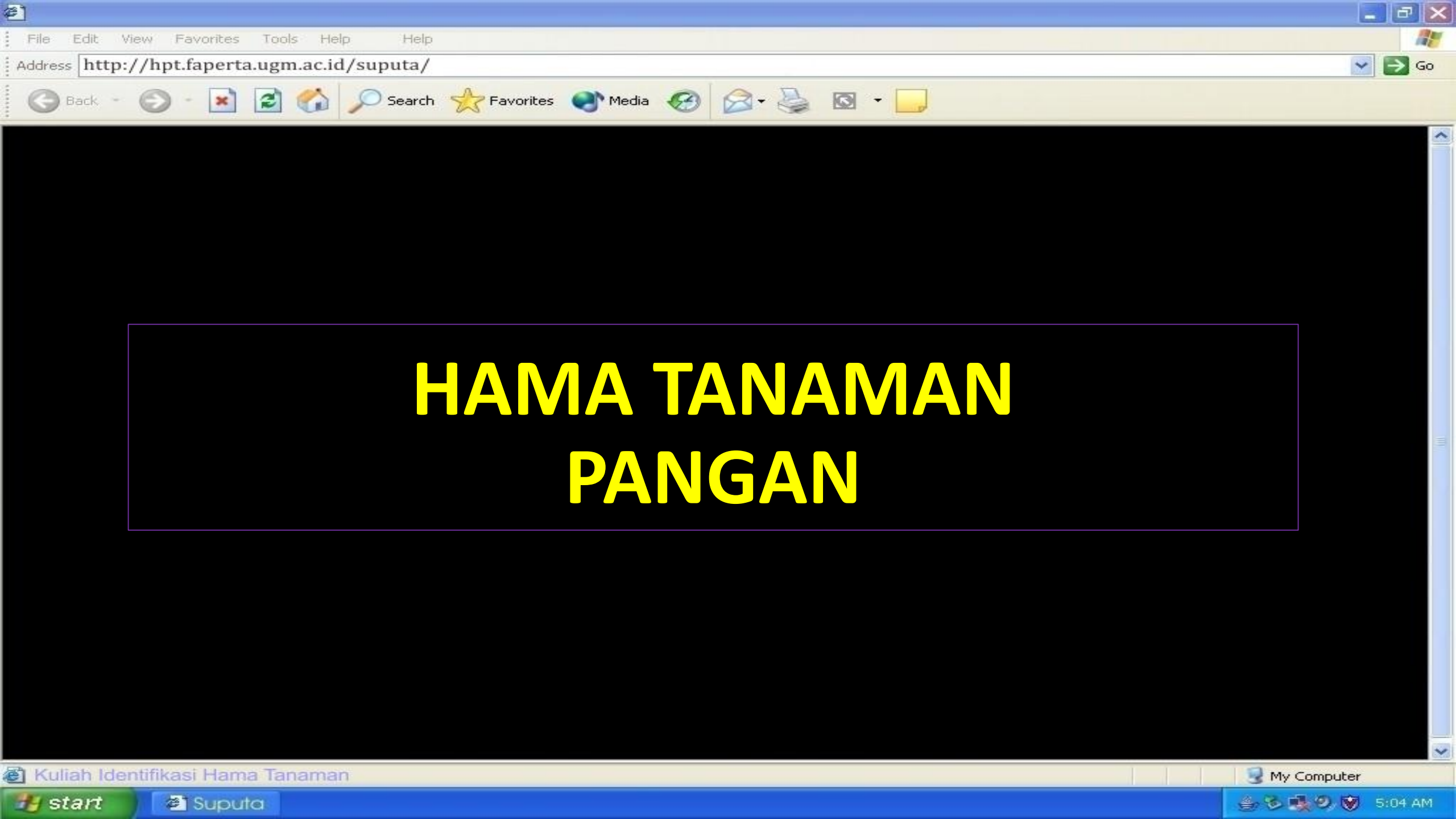




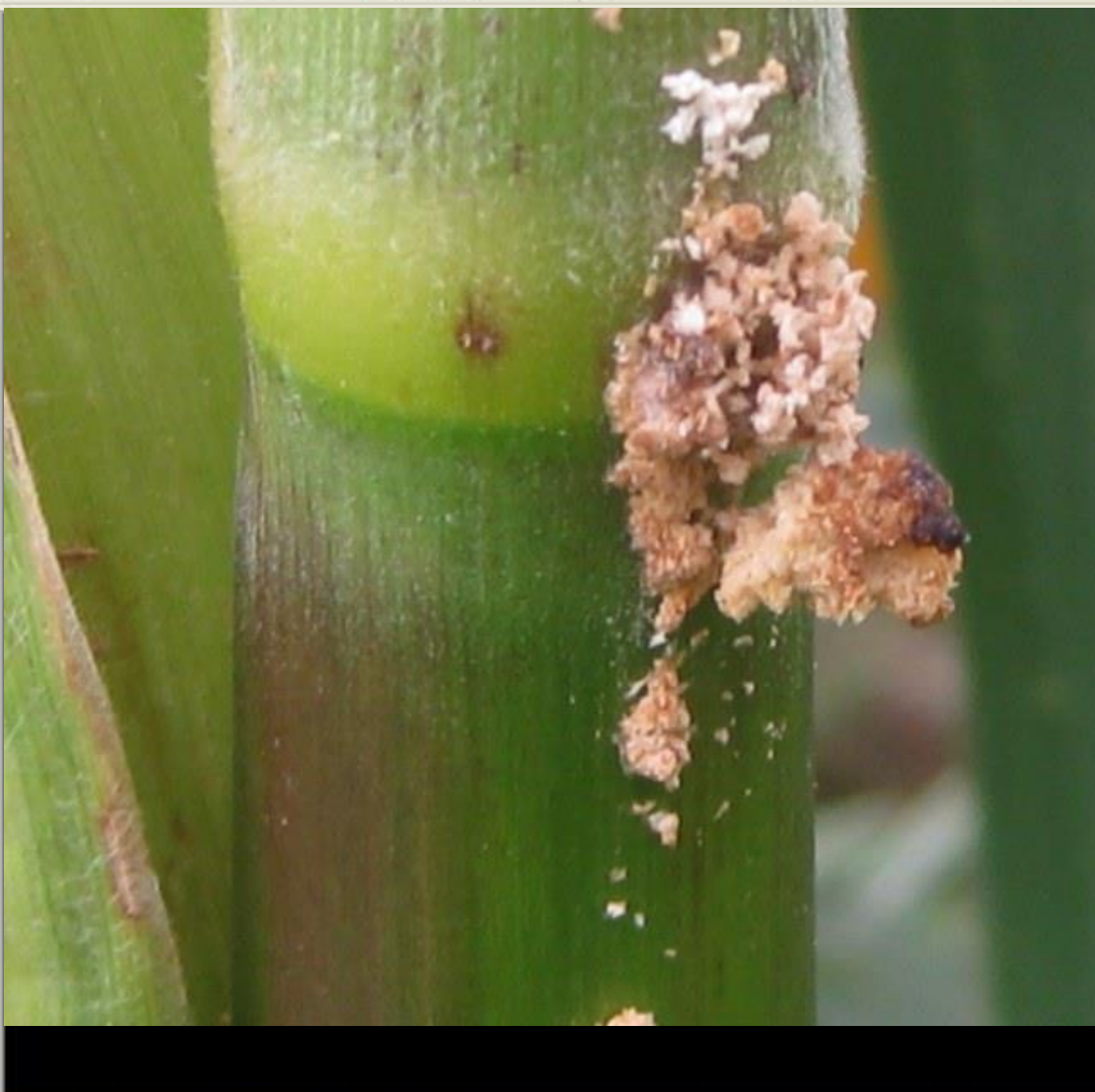


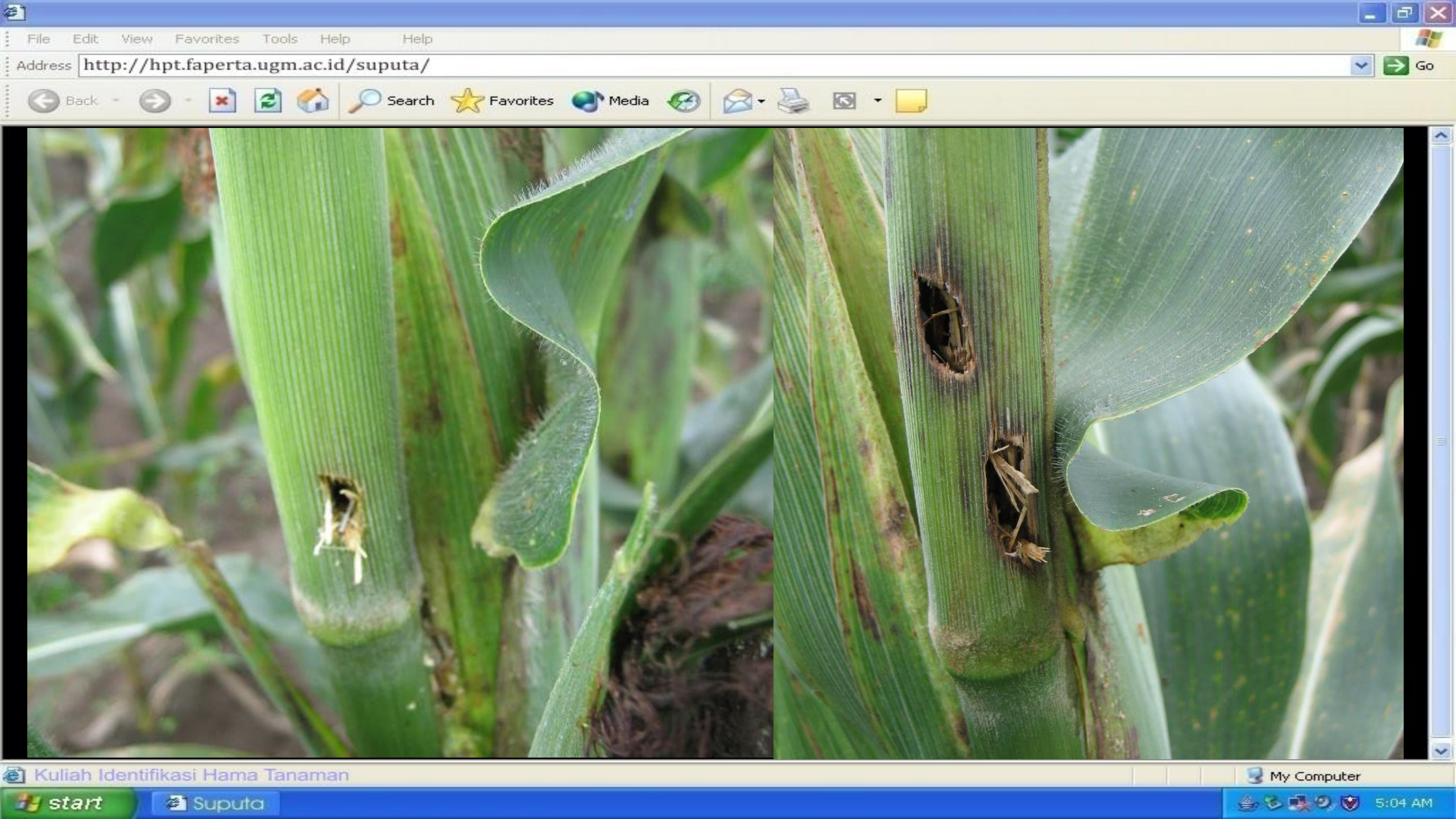






HAMA TANAMAN PANGAN





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Kuliah Identifikasi Hama Tanaman

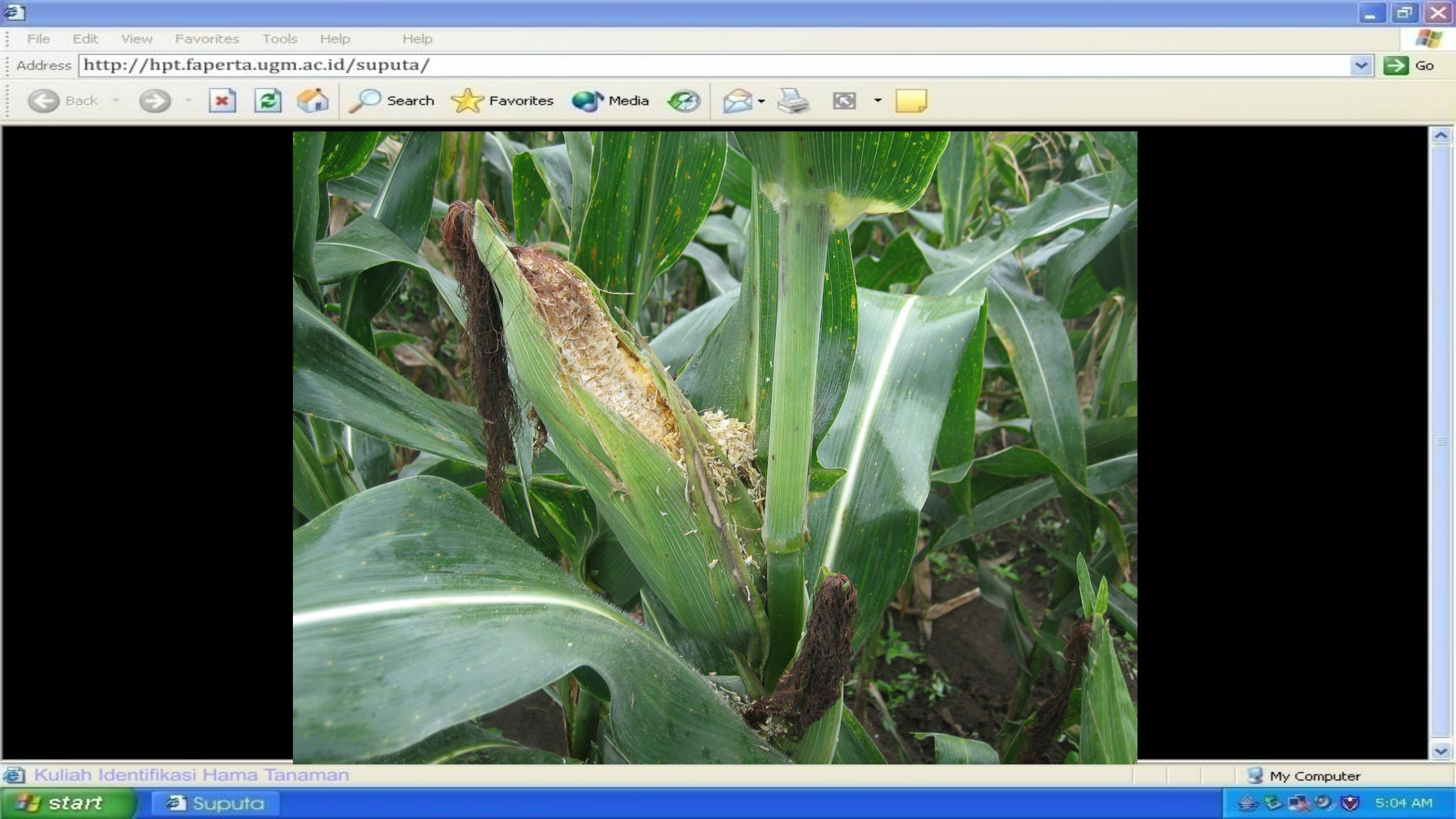
My Computer

start

Suputa

5:04 AM





File Edit View Favorites Tools Help Help

Address <http://hpt.faperta.ugm.ac.id/suputa/>

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Kuliah Identifikasi Hama Tanaman

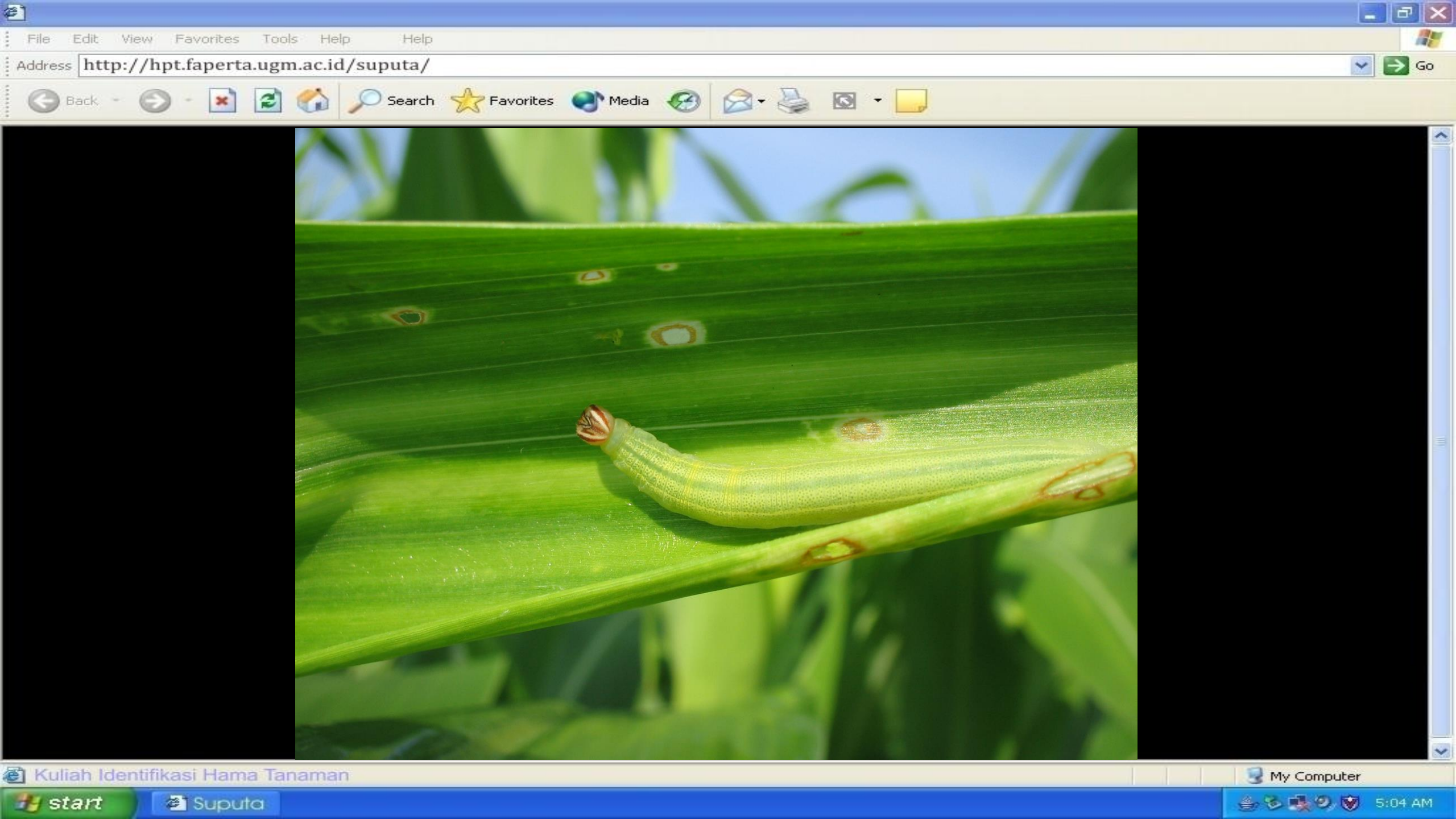
My Computer

start Suputa 5:04 AM

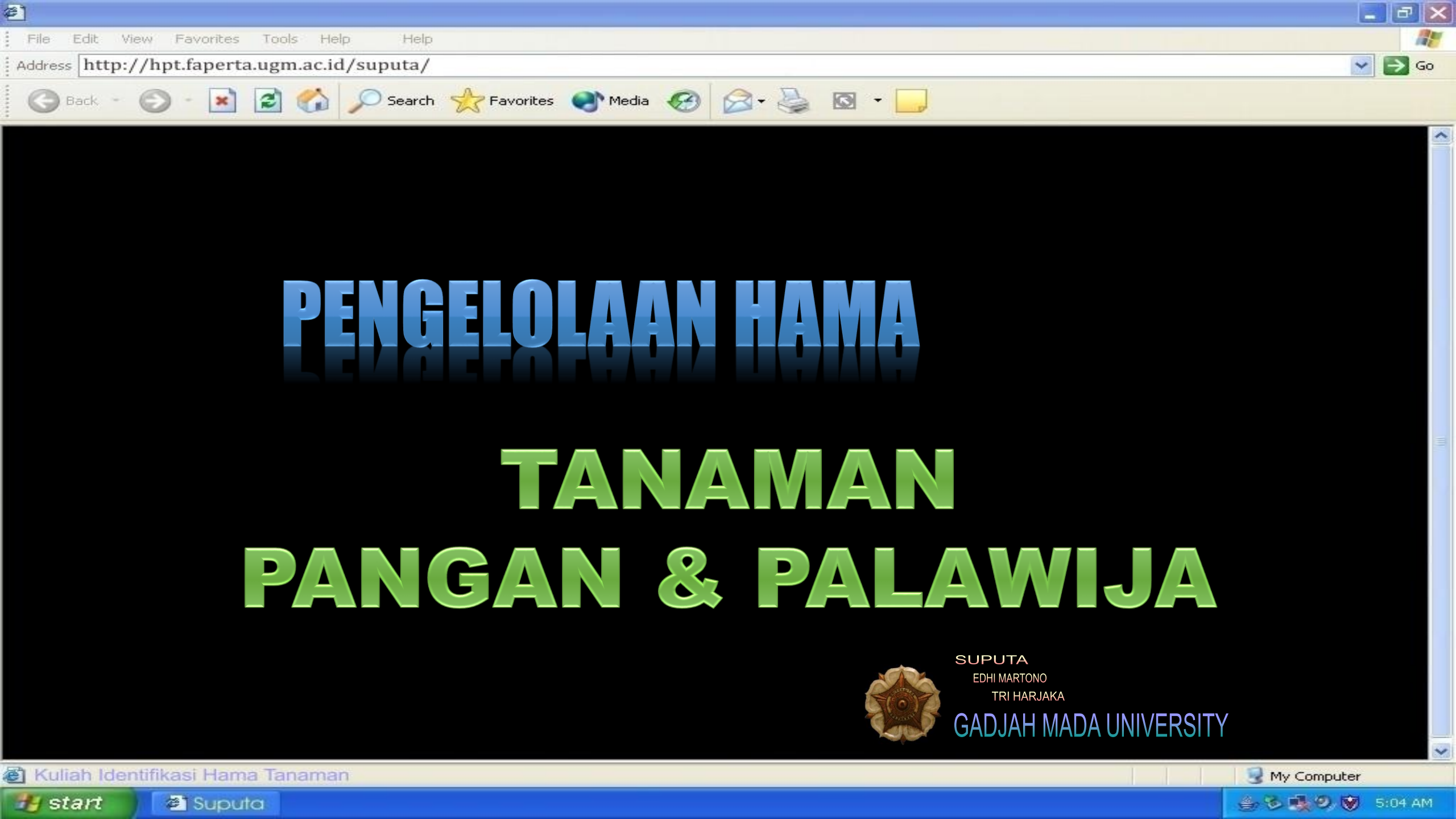








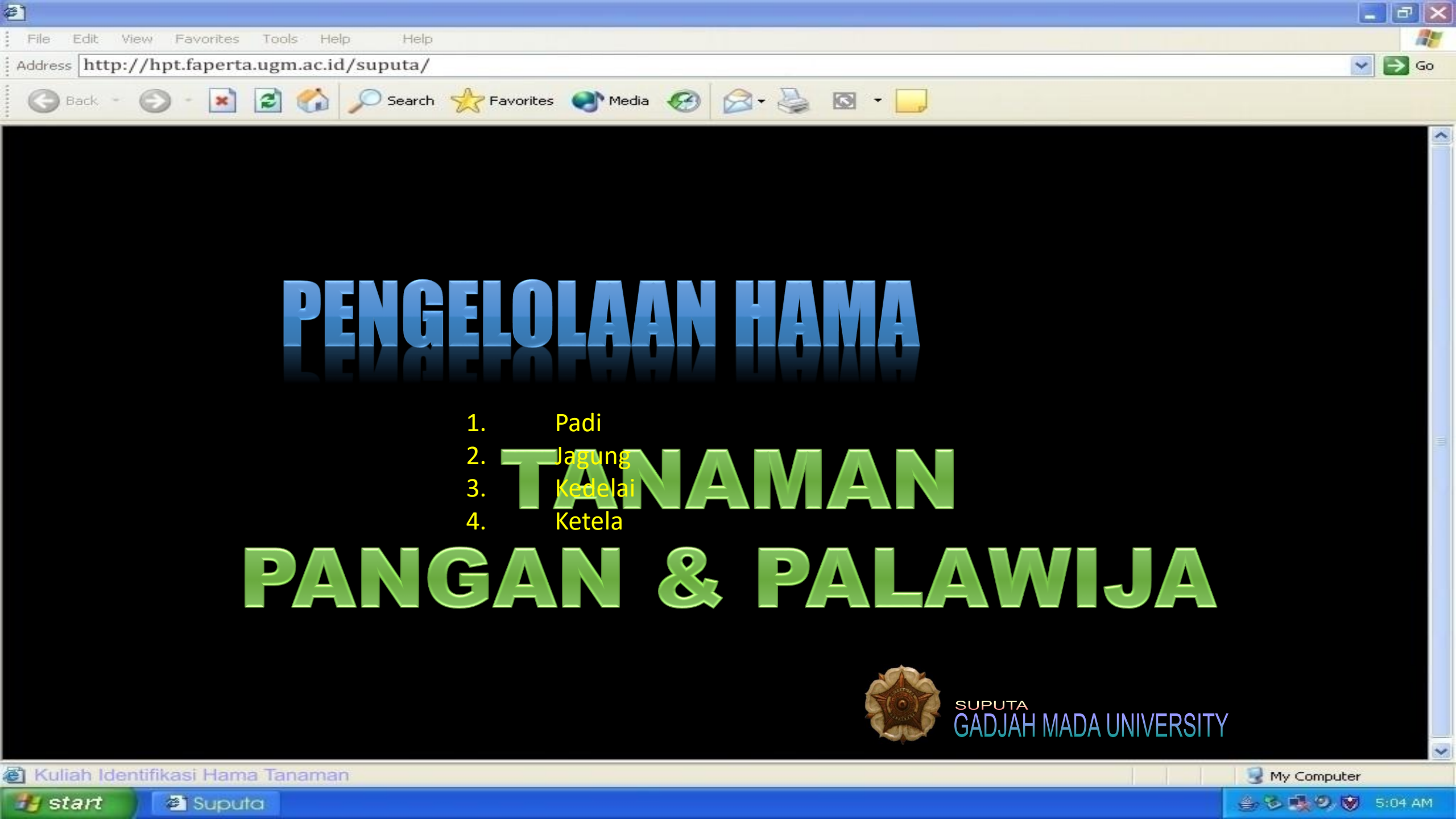




PENGELOLAAN HAMA TANAMAN PANGAN & PALAWIJA



SUPUTA
EDHI MARTONO
TRI HARJAKA
GADJAH MADA UNIVERSITY



PENGELOLAAN HAMA

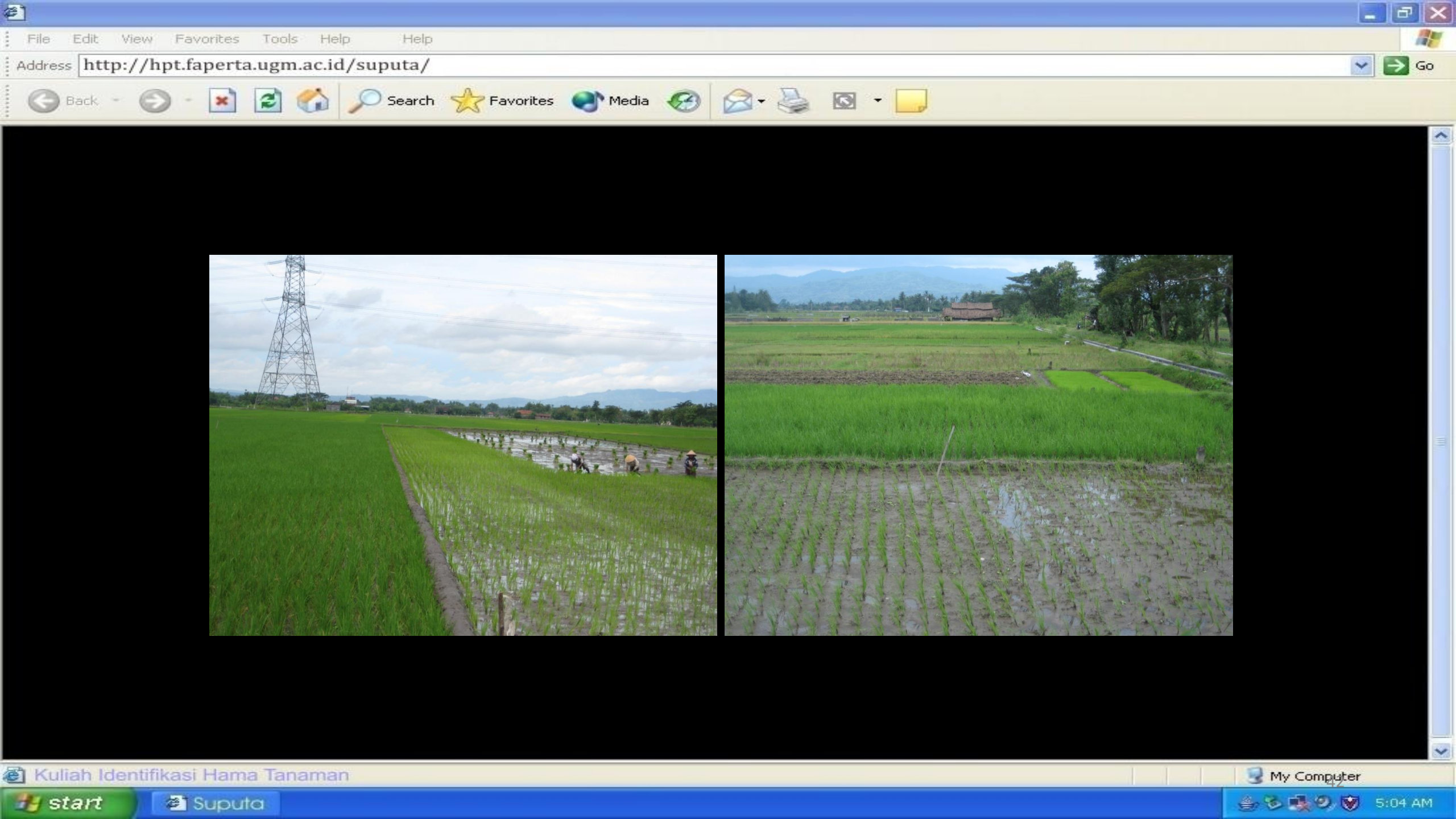
TANAMAN

PANGAN & PALAWIJA

1. Padi
2. Jagung
3. Kedelai
4. Ketela



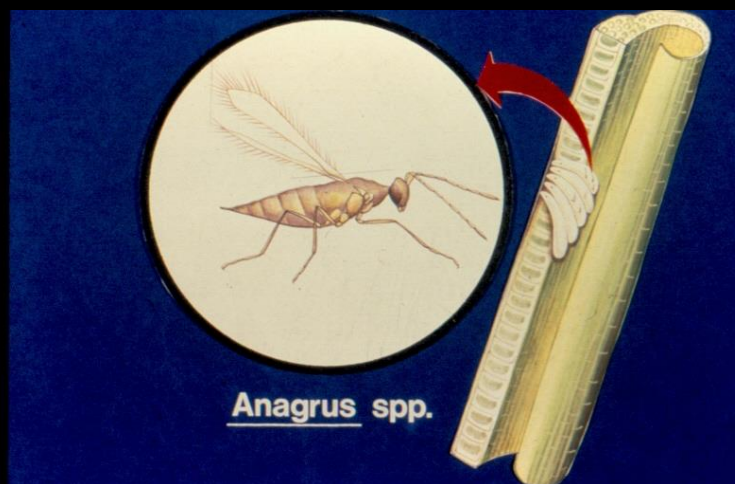
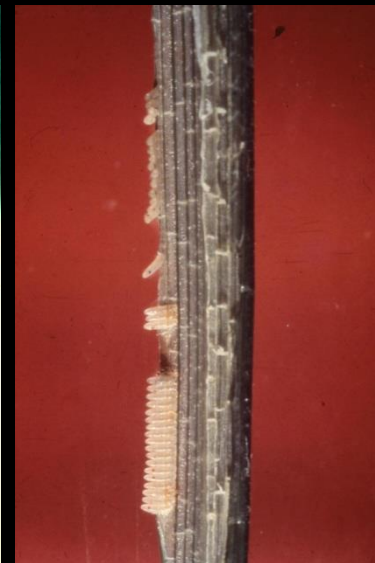
SUPUTA
GADJAH MADA UNIVERSITY

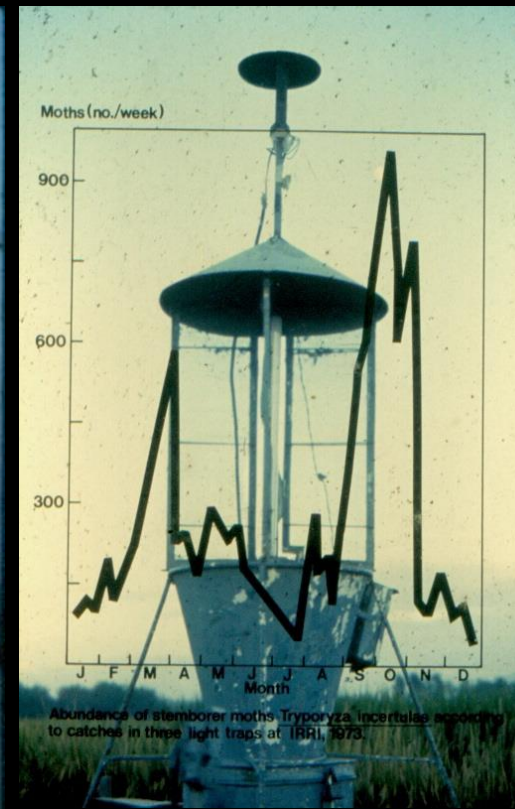


Wereng Batang pada Daun Padi



Posisi Telur Wereng Diletakan pada Batang Padi





Pengambilan, Pemeliharaan dan Pelepasan Musuh Alami Pemakan Telur Hama





EMPRIT JAWA

Spesies : *Lonchura leocugastroides*
Pakan : rumput, padi
Distribusi : Singapura, Sumatra Selatan,
Jawa, Bali, dan Lombok



EMPRIT KAJI

Spesies : *Lonchura malacca*

Pakan : padi, rumput

Distribusi : Pilipina, Peninsula, Sumatra, Borneo, Jawa, Sulawesi, India, dan Cina



EMPRIT BONDOL

Spesies : *Lonchura molucca*
Pakan : padi, rumput
Distribusi : Jawa, Bali, Sulawesi,
dan Maluku



MERIS

Spesies : *Erythrura prasina*
Pakan : padi, rumput
Distribusi : Peninsula, Borneo,
Sumatra, dan Jawa



EMPRIT SEMPRING

Spesies : *Amandava amandava*
Pakan : padi, rumput
Distribusi : Pilipina, Sumatra, Jawa,
India, dan Cina



MANYAR JAMBUL

Spesies : *Ploceus manyar*

Pakan : padi, rumput, serangga,
dan laba-laba

Distribusi : Asia Tenggara: Jawa, Bali,
India, dan Cina



GELATIK

Spesies : *Padda oryzivora*
Pakan : padi, gandum, rumput
Distribusi : Asia Tenggara - Australia



GEREJA

- Spesies** : *Passer montanus*
Pakan : Padi, biji-bijian dan buah-buahan kecil serta serangga
Distribusi : Pilipina, Borneo, Sumatra, Jawa, Bali, Lombok, dan Sulawesi Selatan



PENGENDALIAN

Menakut-nakuti

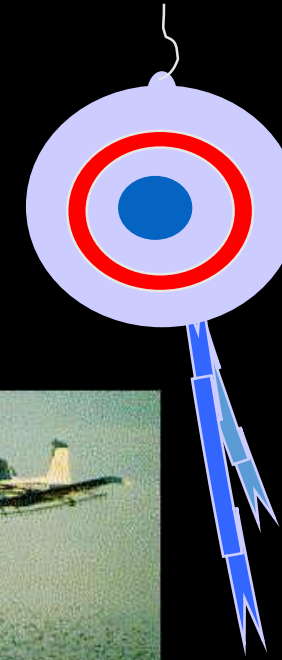
- Orang-orangan
- Suara
- Lemparan tanah

Menangkap

- Jaring
- Lem

Membunuh

- Ditembak
- Pestisida
 - Avitrol
 - Ornithrol
 - Tempat hinggap beracun



Unit Dimensions:	10.25" x 3.75" x 4.25"
Shipping Weight:	4 pounds
Power Requirements:	110 or 220vAC or 12vDC
Sound Pressure	105 - 110 dB @ 1 meter
Frequency:	3 - 5 kHz
Compliance:	UL and CE listed. EPA Est. 62617-OR-001





Keong mas dapat bertahan 3-6 bulan tidak makan di lahan sawah ketika musim kemarau

Ketika musim tanam padi berlangsung keong mas muncul dan sangat rakus sehingga dapat menyebabkan kerusakan mencapai lebih dari 50%

Awal kehadiran keong mas sebagai hama adalah keberadaan kelompok telur

Strategi Pengendalian Keong Mas

- Pengambilan kelompok telur
- Pengaturan saluran irigasi dan drainase
- Pengambilan keong dewasa sebelum masuk ke dalam tanah
- Pemanfaatan itik/bebek sebagai pemangsa
- Pemanfaatan bahan tumbuhan yang mengandung alkaloid :
 - Tembakau, daun pepaya

RAJAWALI

Spesies : *Ictinaetus malayensis*

Pakan : Keong

Distribusi : India, Cina, Borneo,
Sumatera, Jawa, Bali,
Lombok, Maluku,
dan Sulawesi



ALAP-ALAP

Spesies : *Falco peregrinus*

Pakan : merpati dan burung lain

Distribusi : hampir di seluruh dunia



BURUNG HANTU

- Spesies** : *Tyto alba javanica*
Pakan : tikus, kelelawar, reptil,
serangga, dan burung lain
Distribusi : hampir di seluruh dunia



KOKOK BELUK

BURUNG HANTU *Tyto alba*

Cara & kemampuan memakan tikus

Akurasi/presisi yang tinggi dalam menangkap mangsa”

➤ Daya dukung:

- ✓ Mata yang jeli
- ✓ Kemampuan pendengaran
- ✓ Sayap streamline





Kemampuan memakan tikus





Kemampuan menangkap tikus



Kemampuan Mata dalam gelap



Kemampuan pendengaran



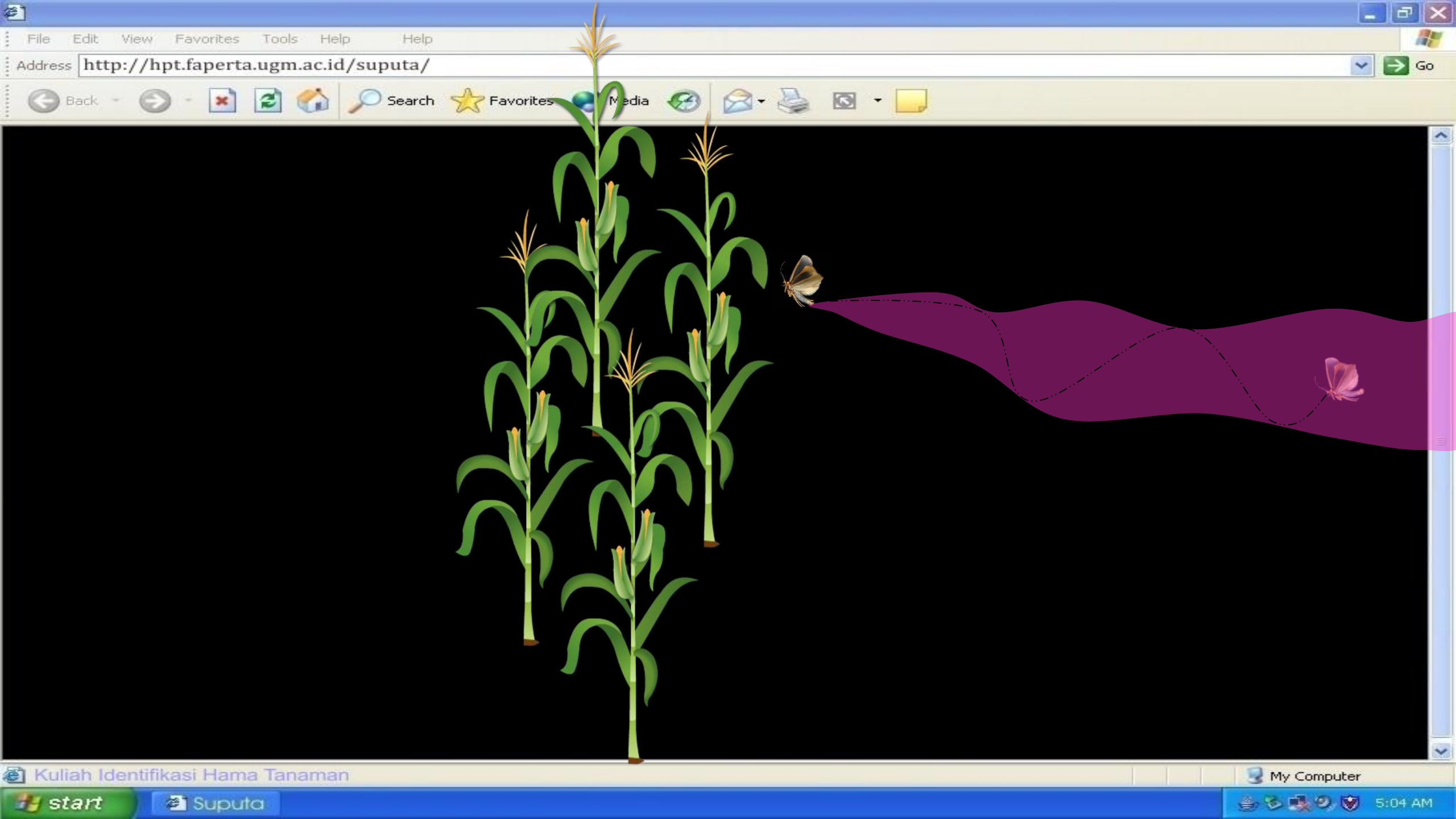
Kemampuan pendengaran

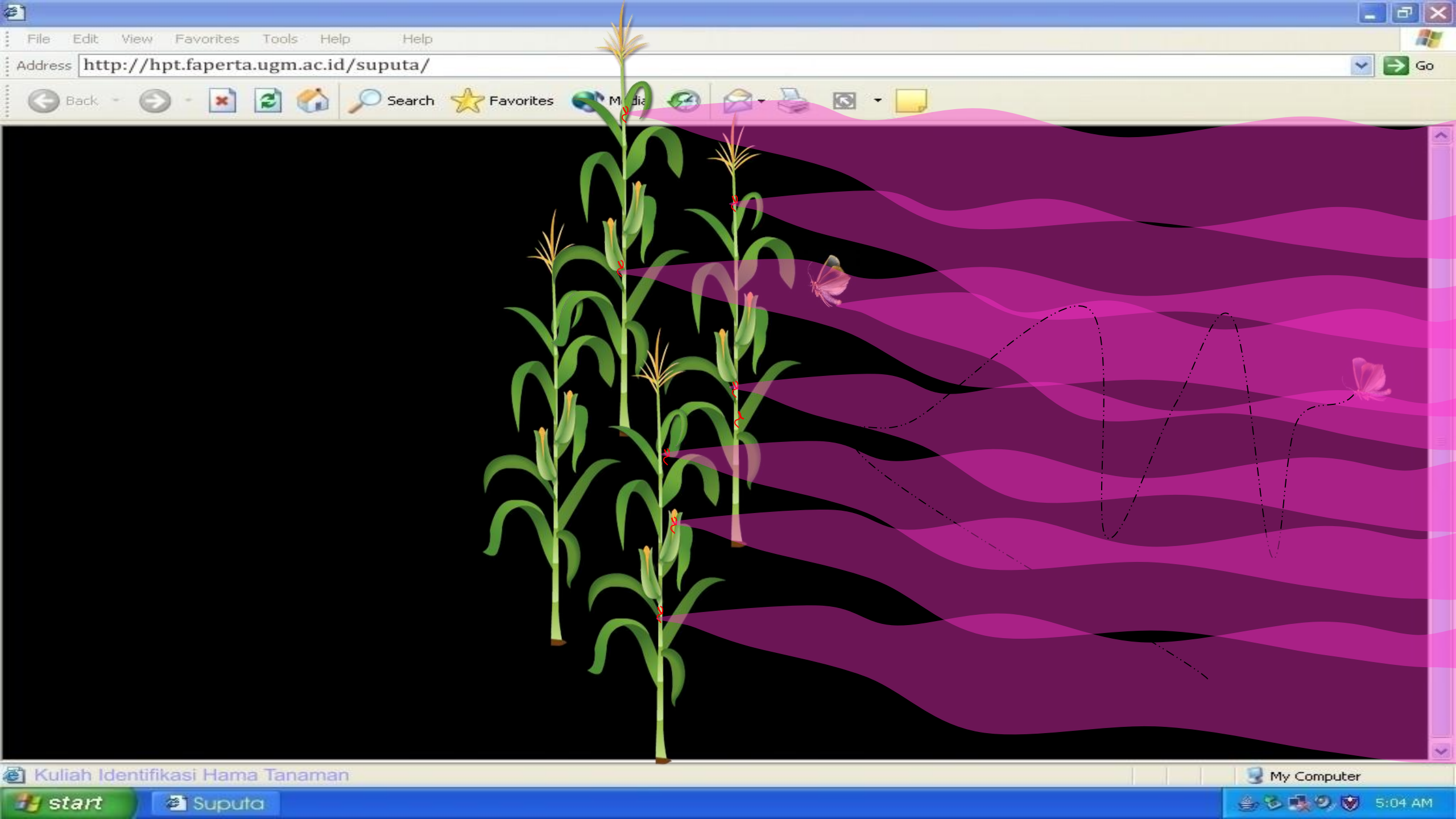


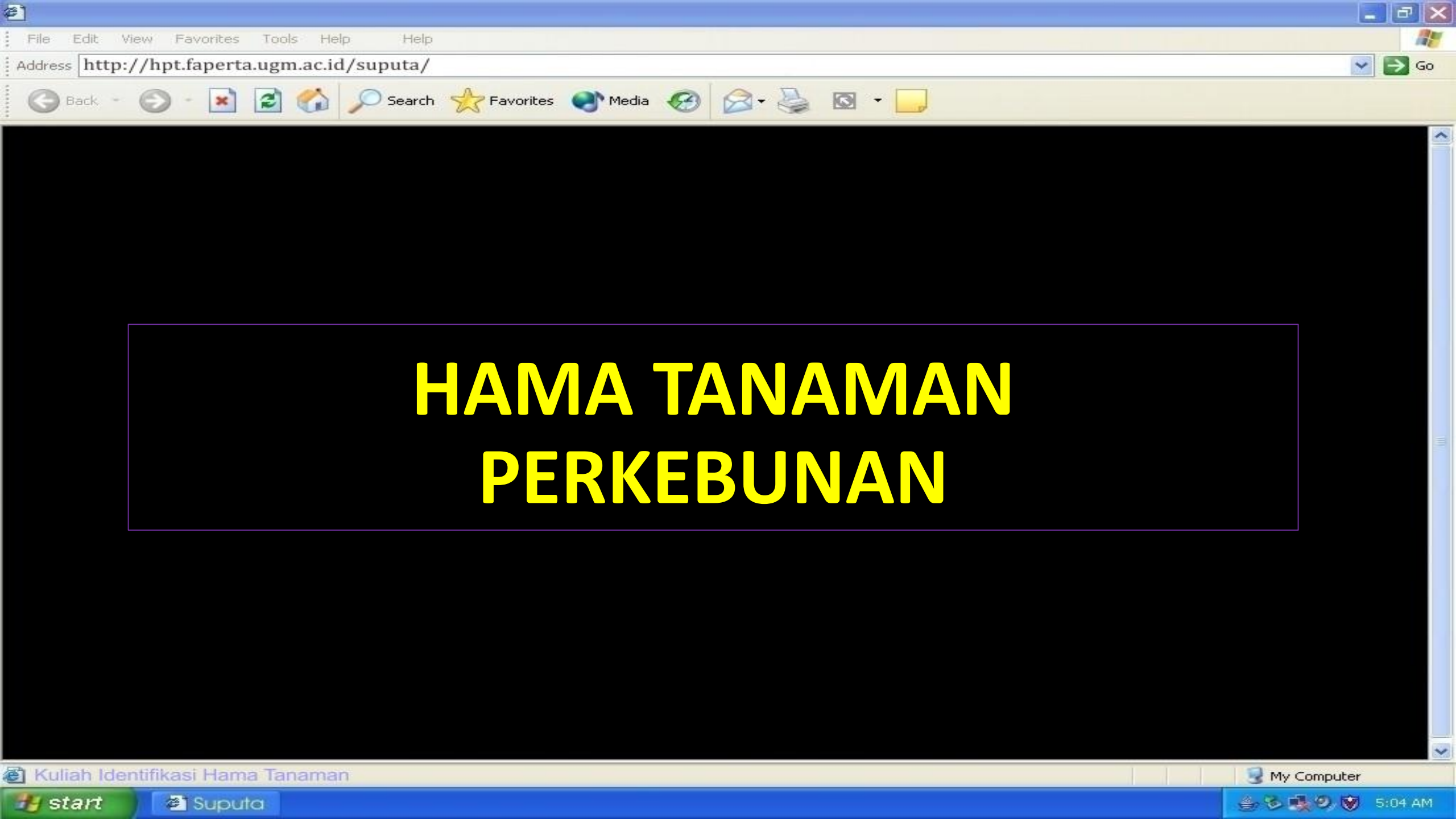
Sayap/bulu → “*streamline*”



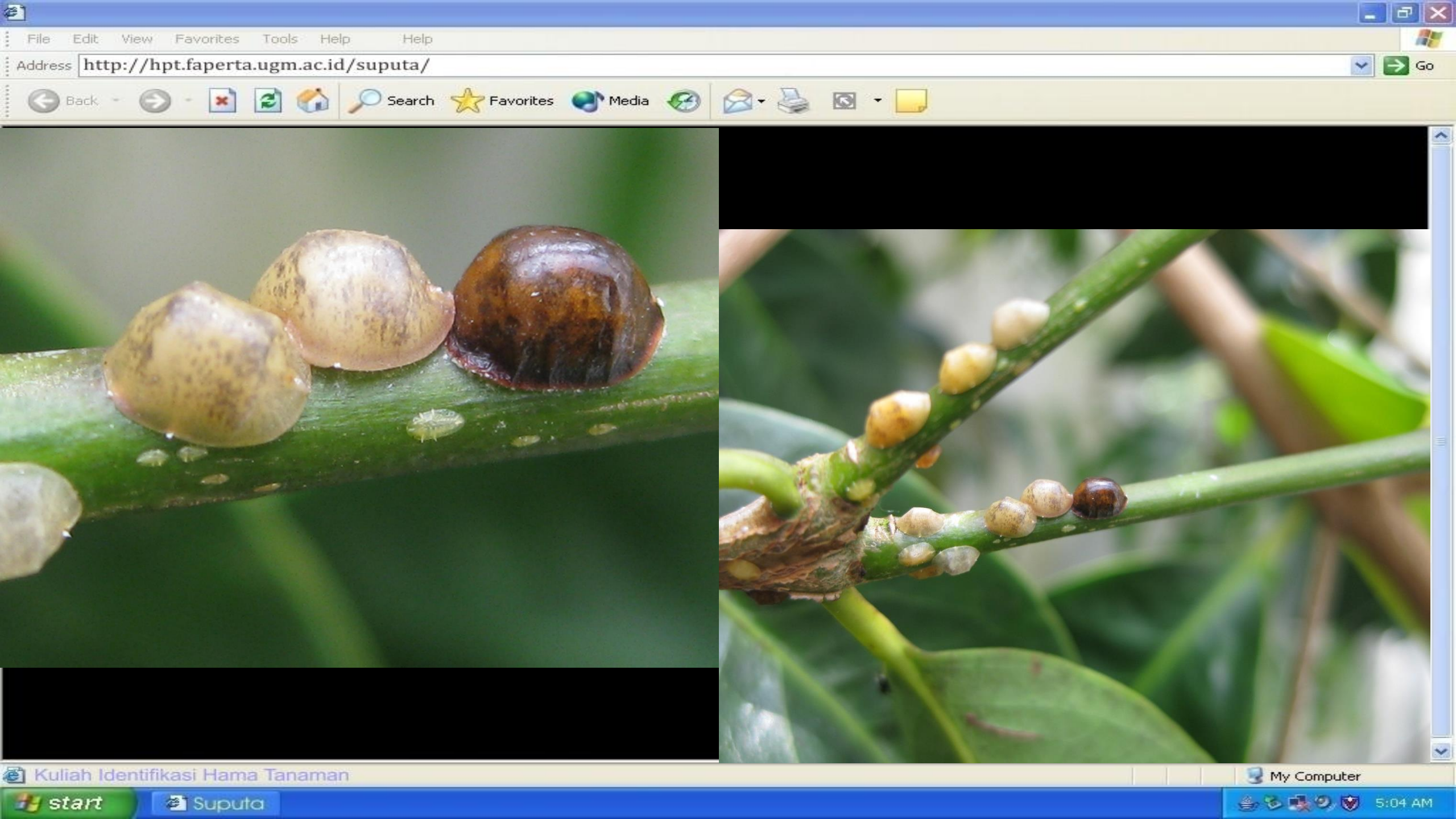








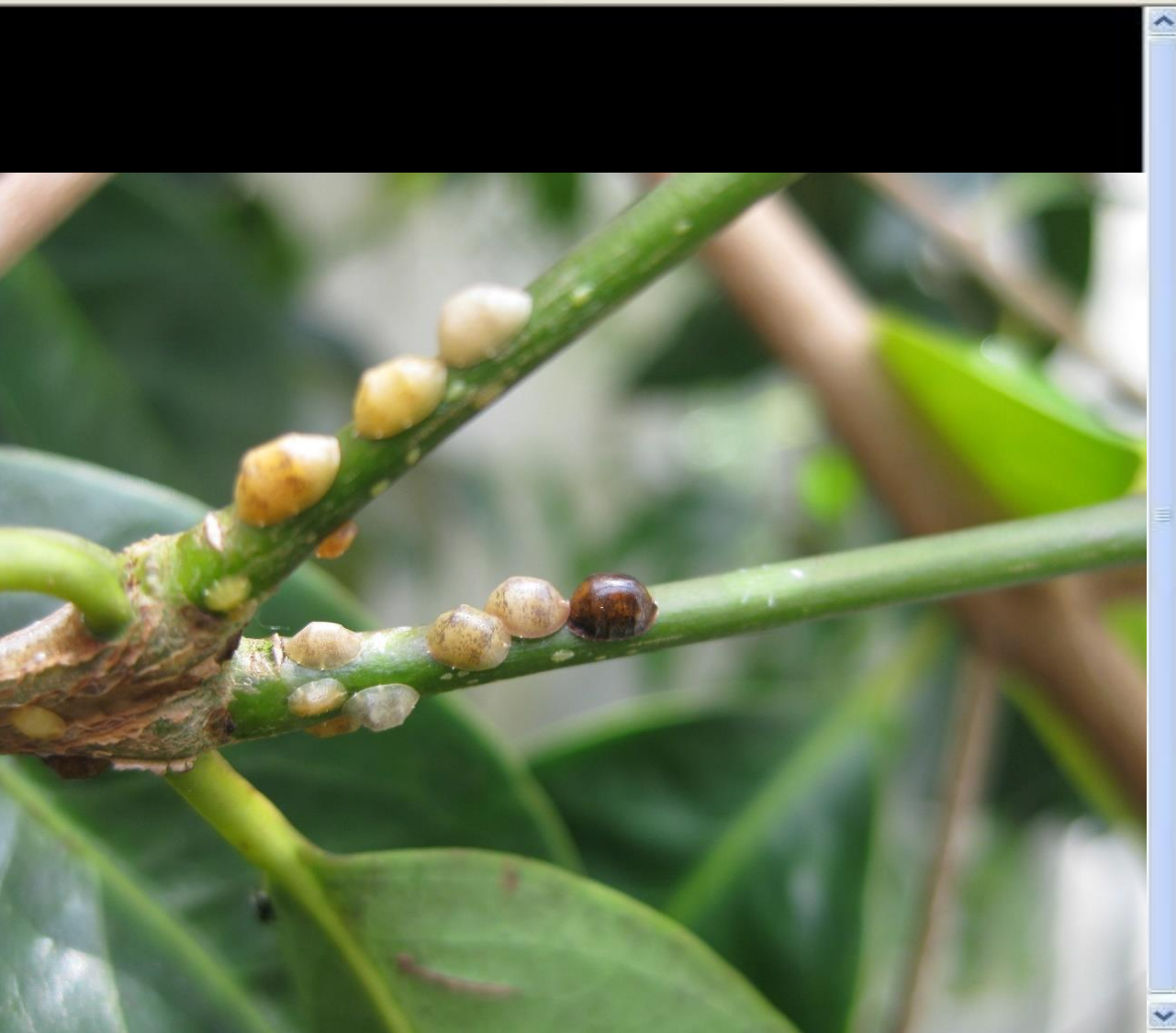
HAMA TANAMAN PERKEBUNAN



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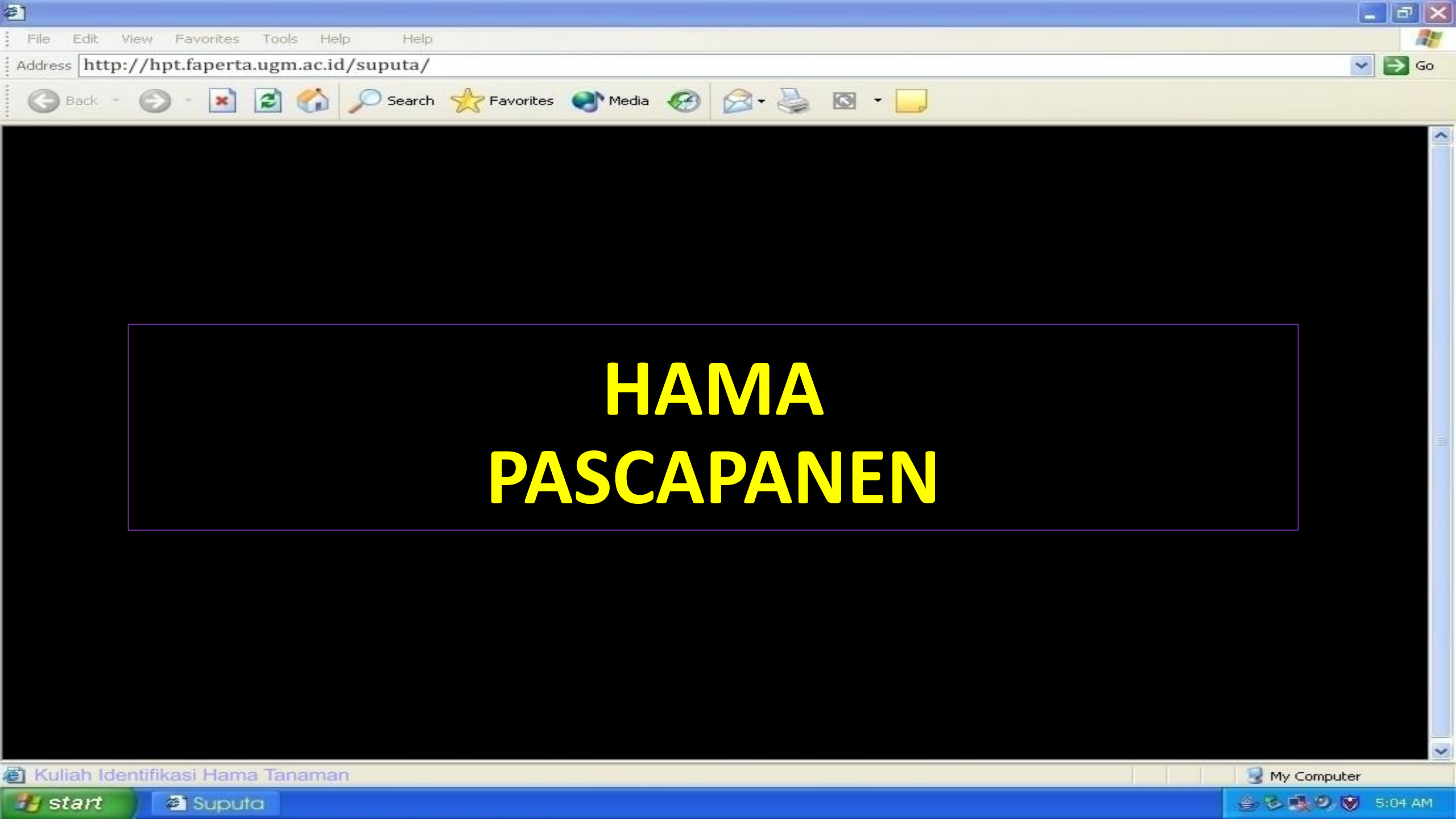


Kuliah Identifikasi Hama Tanaman

My Computer

start Suputa

5:04 AM



HAMA PASCAPANEN



Citripestis eutraptera



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Deanolis albizonalis



Peter A. Follett

Copyright: Peter A. Follett

Sternonchetus mangiferae (Fabricius)



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Copyright: Suputa UGM

Planococcus sp.



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Mauricio Ursi Ventura

Copyright: Mauricio Ursi Ventura

Stenoma catenifer Walsingham



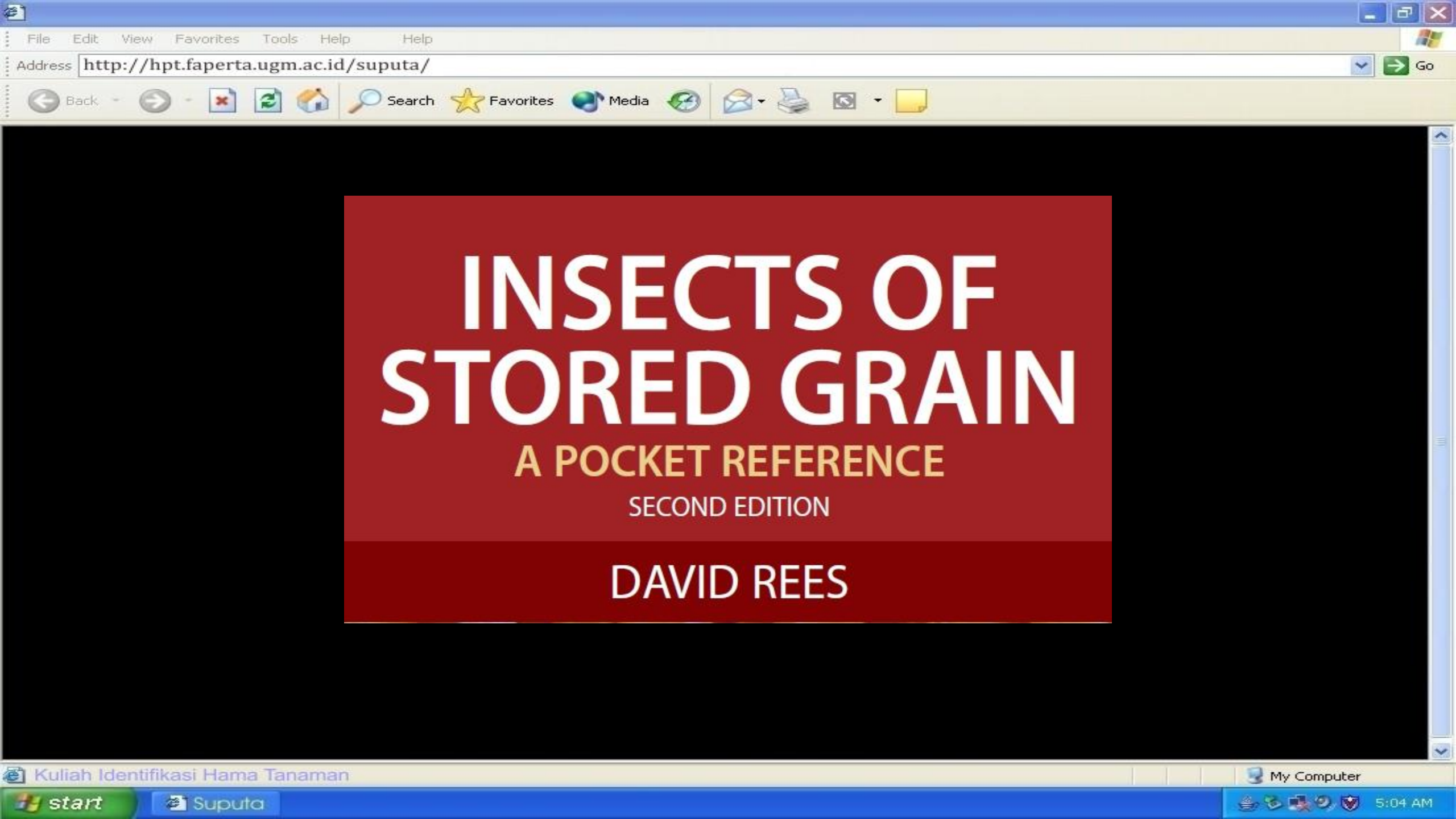
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Dysmicoccus brevipes (Cockerell)



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INSECTS OF STORED GRAIN

A POCKET REFERENCE

SECOND EDITION

DAVID REES

Ahasverus advena (Silvanidae)



A. advena



Antennae and teeth-like structures at corners of thorax

Araecerus fasciculatus (Anthribiidae)



A. fasciculatus



10 mm

Blaps spp.

Cryptolestes spp. (Laemophloeidae)



C. ferugineus



C. ferugineus, head/thorax –
ridge running from behind
eye and across thorax

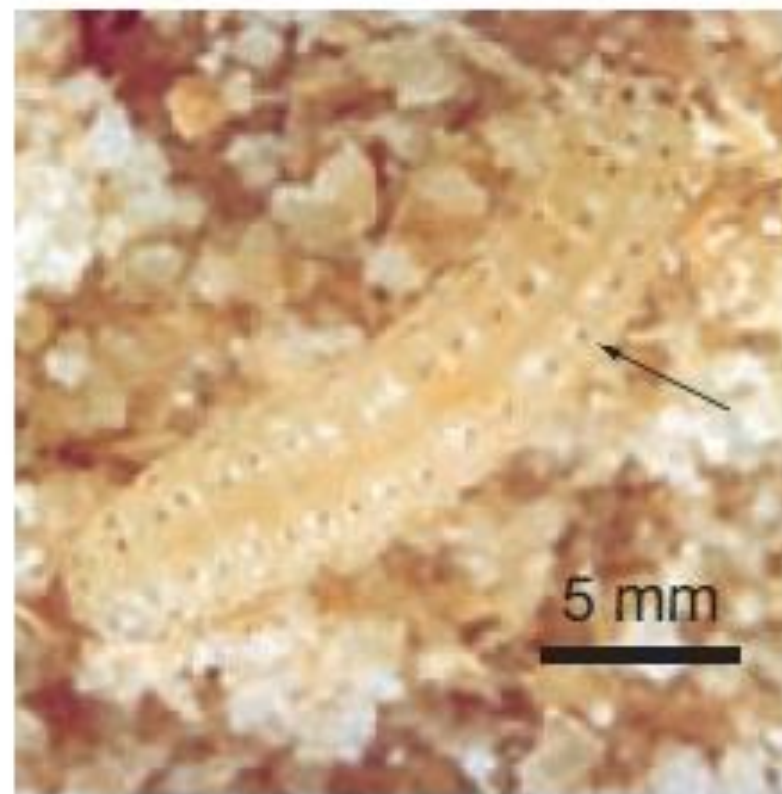
Cadra cautella (Pyralidae)



C. cautella



Labial palps



Larva

1 Cigarette beetle

Lasioderma serricorne (Anobiidae, Anobiinae)



L. serricorne



(Histeridae)



Carcinops spp.



Teretrius nigrescens

Carpophilus spp. (Nitidulidae)



C. hemipterus



C. marginellus

3 Spider beetles (Anobiidae, Ptininae)



*Gibbium
psylliodes*



*Mezium
americanum*



Niptus hololeucus

Trogoderma granarium (Dermestidae)



T. granarium



Head – antennae

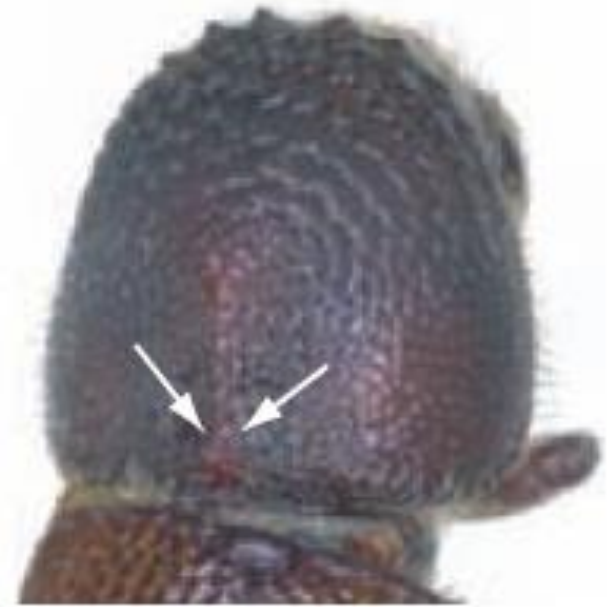
Dinoderus spp. (Bostrichidae)



Dinoderus spp.



Rounded tip of
elytra



Pair of depressions
at base of thorax



Xylocoris spp.



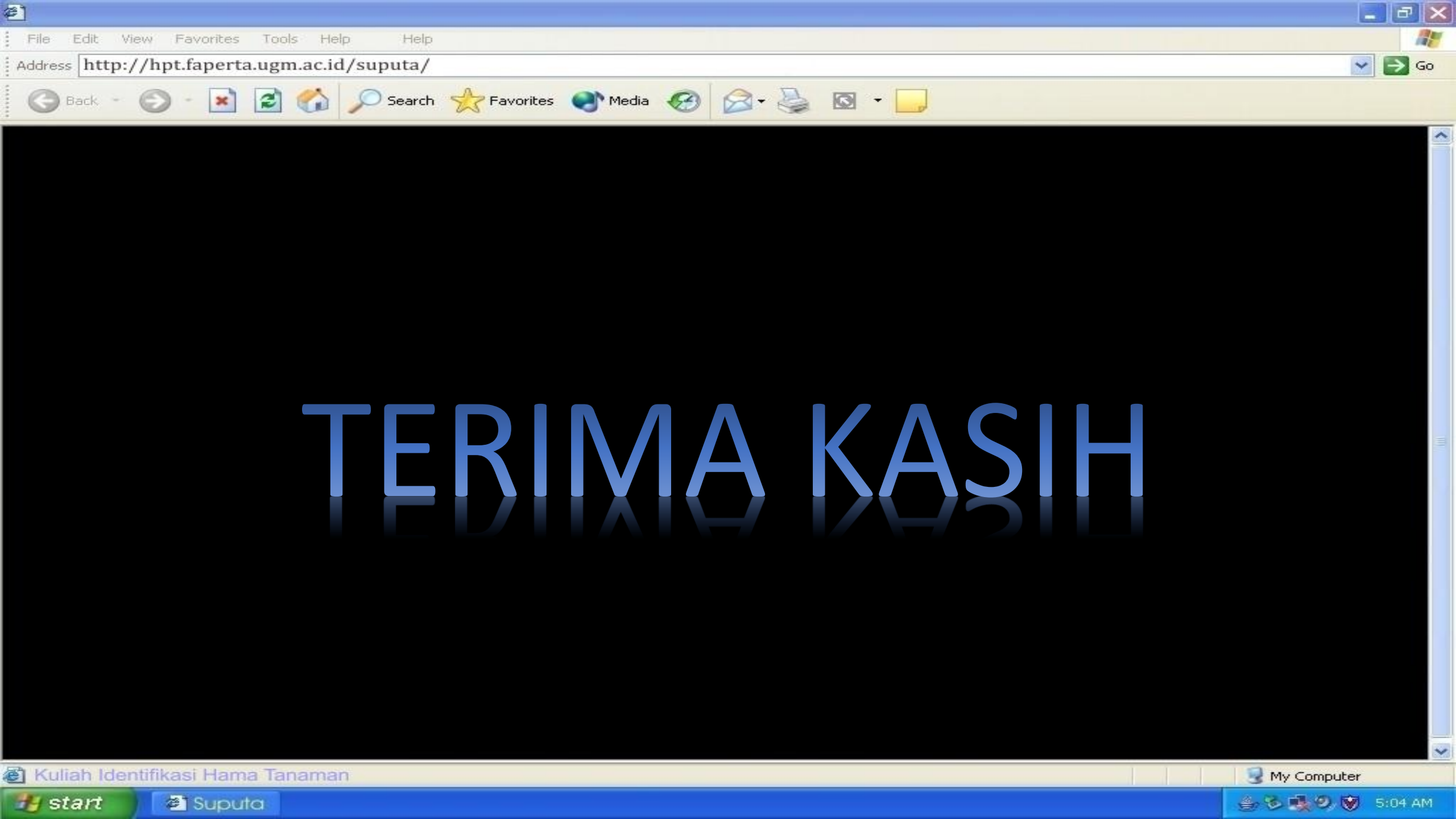
Peregrinator biannulipes



Anisopteromalus calandrae



Habrobracon (Bracon) spp.



TERIMA KASIH