

## Biology Department Faculty of Science & Technology UIN Jakarta

# Visiting Lecturer National & Overseas

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The Biology Study Program has engaged in visiting lecturers initiatives, including the Sakura Science Program with support from JST (Japan Science Technology) and Student Exchange Programs in collaboration with Japanese universities (Fukuoka University, Kyushu University, and Hiroshima University, in collaboration with FST UIN Malang). These programs occur annually, with accompanying faculty members facilitating student research presentations in various fields, aligned with themes agreed upon by Sakura Science members and partner universities in countries such as the United States, Australia, Japan, and ASEAN nations. In addition to the MBKM program involving cross-university lectures, MBKM initiatives encompass Student Mobility and Internships (Working Holiday) to various countries with established MOU collaborations between UIN and foreign universities. Student Mobility programs are also conducted domestically, involving partnerships with higher education institutions, industries, and government and private entities. Another form of initiative is the Working Holiday program, which dispatches qualified students to host countries with accepting companies. Students who successfully pass the selection process, often accompanied by a Letter of Acceptance (LOA) from relevant companies, are placed in these companies for a three-month period. Furthermore, there is the International Student Mobility program under the MORA Overseas Student Mobility Awards (MOSMA). This program serves as an implementation of the Merdeka Curriculum, offering physical mobility opportunities for students to study at foreign universities. The program lasts for one semester, with a maximum duration of six months, during which students earn credits that can be converted at their home institution.

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Dosen Tamu: Conserving Marine Diversity in Terms of Global Warming Issue



Wednesday, August 21, 2019, Biology Study Program FST UIN Syarif Hidayatullah Jakarta held a public lecture with guest lecturers from Kyushu University. The theme raised was Conserving Marine Diversity in Terms of Global Warming Issue. The event took place in the Main Conference Room of FST UIN Syarif Hidayatullah Jakarta was attended by students and lecturers from Biology Study Program.



The event began with the reading of the holy verses followed by singing the national anthem Indonesia Raya. Then the remarks delivered by the Vice Dean I, Nashrul Hakiem Ph.D..

The next event was the presentation of material by Dr. Seiji Arakaki. He presented 2 materials from his research. The first material is about the diversity of fish species in tidal pools on the coasts of Japan and the latitudinal influence on the diversity of these species. The second presentation was about the diversity of coral reefs in Indonesia and the threat of damage to coral reefs.



The next presentation was delivered by Dr. Nini Win. She explained her research on the characteristics of brown algae, especially the Padina genus and the diversity of the Padina genus found in various parts of the world.



After the presentation of the material, it was continued with a joint discussion moderated by Mardiansyah, M.Si. The event was closed by giving certificates of appreciation to speakers and reading prayers.



Visiting Lecturer on 9 March 2022

1. Ali Budhi Kusuma, Ph.D (mata kuliah Pengantar Bioinformatika)

Zoom Meeting You are viewing Ali Budhi Kusuma, PhD's screen View Options

Recording



**"Aplikasi Teknologi Genomik dalam Bioprospeksi Mikroba Lokal Indonesia: Studi Kasus dalam Pencarian Senyawa Antimikroba Baru"**

Presented by:  
Ali Budhi Kusuma, Ph.D

Disampaikan Pada:  
Stodium General, Rabu, 09<sup>th</sup> Maret 2022  
Departemen Biologi  
Fakultas Sains dan Teknologi (FST)  
UIN Syarif Hidayatullah Jakarta

UIN

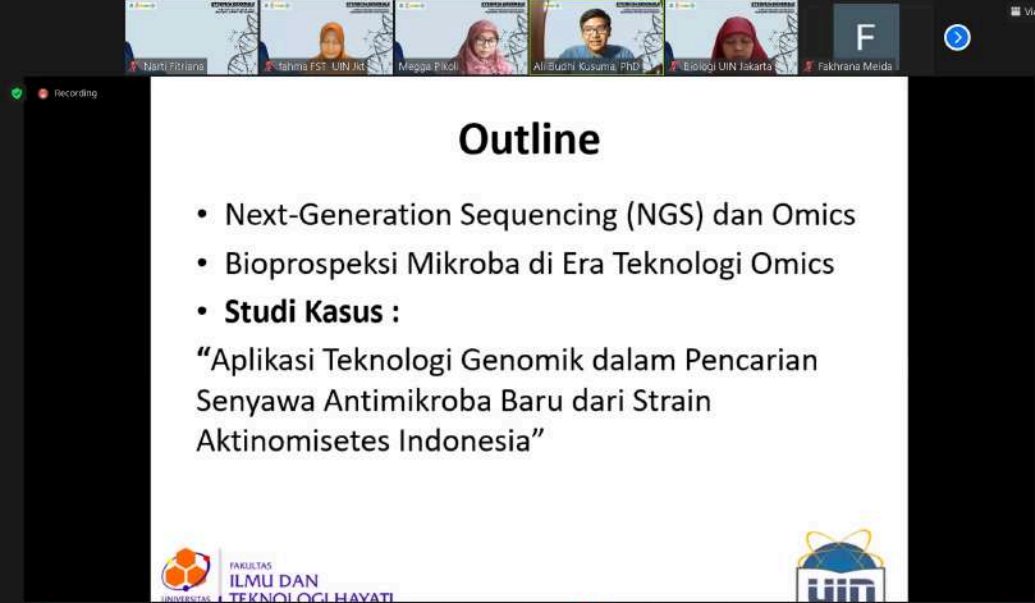
Ali Budhi Kusuma, PhD

Unmute Stop Video Participants 132 Chat Share Screen Record Reactions Leave

9:15 AM 3/9/2022

Zoom Meeting You are viewing Ali Budhi Kusuma, PhD's screen View Options

Recording



**Outline**

- Next-Generation Sequencing (NGS) dan Omics
- Bioprospeksi Mikroba di Era Teknologi Omics
- **Studi Kasus :**  
"Aplikasi Teknologi Genomik dalam Pencarian Senyawa Antimikroba Baru dari Strain Aktinomisetes Indonesia"

UNIVERSITAS FAKULTAS ILMU DAN TEKNOLOGI HAYATI

UIN

Narti Fitriana Fahma FST UIN Jd Megga Pikol Ali Budhi Kusuma, PhD Biologi UIN Jakarta Fakhriana Meida

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9:15 AM 3/9/2022

Zoom Meeting

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Recording

# Why is Omics Exciting?

Oral sample

Descriptive approach

Functional approach

What is the microbial composition?

DNA

PCR

16S rDNA approaches

What is their genetic potential?

DNA

Meta-genomics

What are the microbial communities doing?

Which genes are expressed?

RNA

Meta-transcriptomics

What is the protein content?

Proteins

Meta-proteomics

What is the metabolic output?

Metabolites

Meta-biomics

Studying **large datasets** instead of single gene/proteins provide much **more holistic information** that required to answer complex problem in microbiology.

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9:21 AM 3/9/2022

2. Dr. Yudhi Nugraha, 13 April 2022 (Mata Kuliah Pengantar Bioteknologi)

Zoom Meeting

Recording

UIN Sains Tek

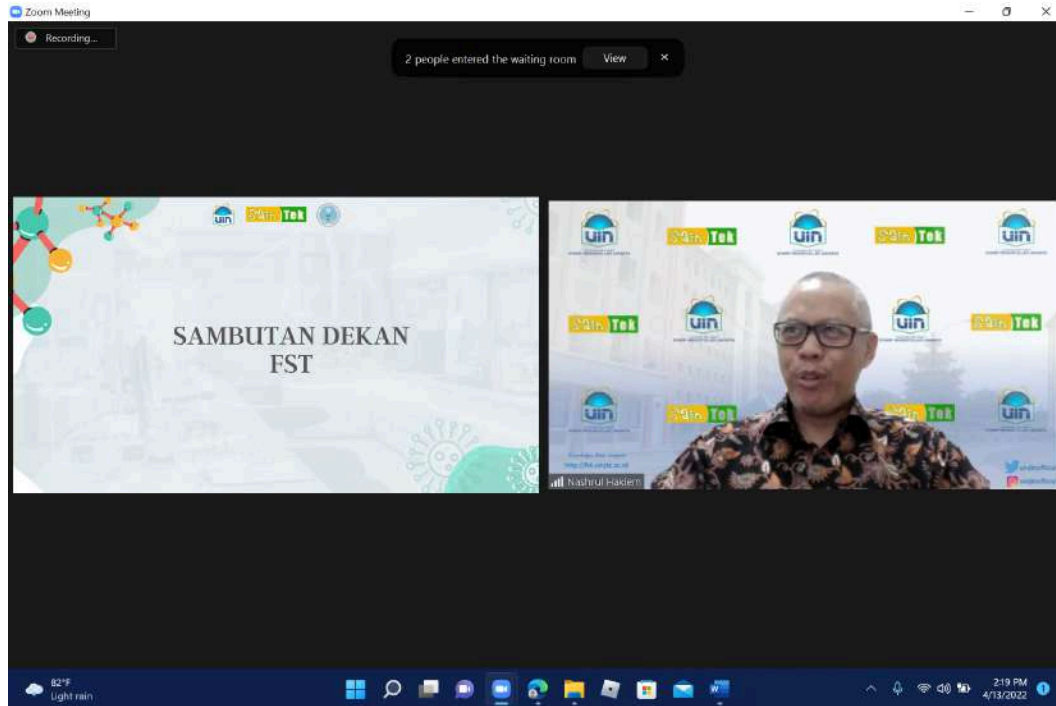
# VIRTUAL FIELD TRIP

Program Studi Biologi, Fakultas Sains dan Teknologi  
UIN Syarif Hidayatullah Jakarta

## Biosafety dan Biosecurity di Spanish National Cancer Research Center (CNIO)

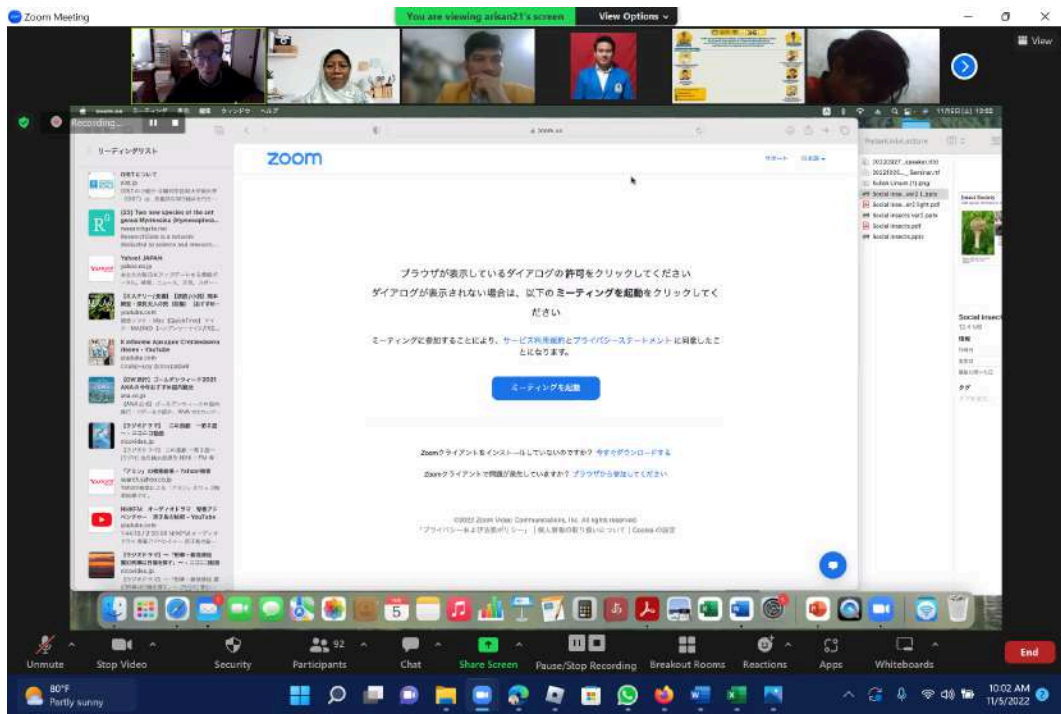
82°F Light rain

2:09 PM 4/13/2022



3. Prof. Seiki Yamane, 5 November 2022 (mata kuliah Entomologi)





Zoom Meeting    You are viewing arisan21's screen    View Options

Recording...

# Insect Society

with special reference to social wasps in Asia

Mature nest of *Vespa analis*. Amami-oshima, Japan. (Photo: Ken'ichi Kanai)



Embryo (initial) nest of *Vespa analis*. Sapporo, Japan. (Photo: Seiichi Takahashi)



Mother wasp has just started constructing a new nest on a twig in spring. Sapporo, Japan. (Photo: Sk. Yamane)



5th November 2022 (zoom)  
Universitas Negeri Padang  
Seiki Yamane  
Kagoshima University, Japan

Unmute   Stop Video   Security   Participants   Chat   Share Screen   Pause/Stop Recording   Breakout Rooms   Reactions   Apps   Whiteboards   End

77°F   Partly sunny   9:24 AM   11/5/2022

Zoom Meeting    Recording...    View

Participants: 49

arisan21   Narti Fihlana   Priyanti   Rijal Sakra   Muhammad Thariq Muly...   BIO UNP Dwi Hilda

UNIMED Muha...   UNIMED RUMI...   R   UNIMED Tri Pu...   Unimed Elli Ver...

UNIMED GRATIA ANGGIT...   Unimed\_Muhammad Irsan   UNIMED RUMIRIS SITOLIS   Connecting to audio...   Unimed\_Rahita Habaehan   UNIMED\_Tri Putri Manur...   Unimed\_Elli Veronica Sih...

Virly Aulia   UNIMED\_Alfred...   UNIMED\_Licia Simbolon   Ask to Unmute...   UNIMED\_Nessya Siagian   Syharla finanda...   UNIMED\_Joshua L...

UNIMED\_Devi...   UNIMED\_Krisda...   UNIMED\_Indri Aulya   Unimed\_Elida Hafni Sireg...   UNIMED\_PSB B 20\_Nensi...   UNIMED\_Lanni Novita Sir...   UNIMED\_ANINDYA AULL...

Unimed\_Masna Nababan   Unimed\_Imeka   Nunul Ilma Septiani   UNIMED\_martha grasell...   Safira Nurul Fadila   Zulfanida Musyaffa   Aulia Insyani Syahfitri

Wulandari   Vika Purnama   UIN\_IKT\_ADE NUR HIDAY...   Aprilgi Putri Latipudin...   UNIMED\_Freemika Agnes...   UNIMED\_Salsabila Andini...   UNIMED\_Tania Sihombing

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80°F   Partly sunny   10:11 AM   11/5/2022