



[Edo Danilyan]

Surabaya, East Java, 16110 | +6285775475746 | danilyanedo7@gmail.com
[LinkedIn/Edo_Danilyan/](#) [Instagram.com/edo_danilyan](#)

Brief Description

I'm a research scientist working to better understanding on molecular biology and applied modern biotechnology. My expertise includes project design and management, data analysis and interpretation, and the development and implementation of research tools. I enjoy generating new ideas and devising feasible solutions to broadly relevant problems. My colleagues would describe me as a dynamic, resourceful individual who maintains a positive, proactive attitude when faced with adversity. Specific fields of interest include data analytics, biotechnology, and immunity.

Skills

Interpersonal skills: Public speaking, interpersonal communication, negotiation.

Industry Knowledge: Sampling, environmental awarenesss, conservation issue, environmental science, laboratory safety and activity

Multimedia: Videography and post-production, wildlife photography, landscape photography, Adobe (Premiere pro, Lightroom, Photoshop)

Languages: English (Full professional proficiency), Indonesia (Native)

Data analysis: R Language, SPSS, Mega X, Seaview, PyMol

Educational Background

2021- Present
Surabaya

Institut Teknologi Sepuluh Nopember/ Biology department
(Master degree)

- Master degree in biology department with specialization in applied bioinformatics on microbiology topic.
- Latest GPA: 4

January 2020- May 2020
Thailand

Chulalongkorn University/ Biology department

- Student Exchange on international program for 1 semester at biology department.
- Studied microbial infection and immunity, biodiversity, environmental science, and seminar.

2018- Present Surabaya	<ul style="list-style-type: none"> • Performed special problem project about biological control for <i>Michania mirachanta</i> in Saraburi, Thailand, under the supervision of Prof. Chatchawan Chaisuekul. • Published article review about In Vitro Point-of-Care Diagnostic Assays for SARS-CoV-2. • Latest GPA: 3.96. Institut Teknologi Sepuluh Nopember/ Biology department (Bachelor degree)
2014 – 2017 Bondowoso	<ul style="list-style-type: none"> • Bachelor degree in biology department with specialization in applied bioinformatics on microbiology topic. • Published book entitled Bakteriologi Spesies Kosmopolit. • Latest GPA: 3.76 SMAN 1 Prajekan/ Natural science

Professional Experiences

November 2022	2021-January Generasi Biologi Indonesia/ Intern <ul style="list-style-type: none"> • Intern at Molecular Biology and Genetics division. • Working on articles review about nanotechnology for viral therapy
August 2021	2021-September Biotechnology Research Center, BRIN Republik Indonesia/ Student Intern <ul style="list-style-type: none"> • Student intern in bioprocess laboratory working on evaluation of microalga growth medium. • Semi-finalist in APEC YES Challenge
January 2021 - April 2021 Taiwan	National Yang Ming University/ Pre-internship students <ul style="list-style-type: none"> • Studied drug discovery, drug development, natural product exploration and bioinformatics modeling of drug.
October 2020 - November 2020	Kumamoto University/ Collaborative Online International Learning 2020 <ul style="list-style-type: none"> • Studied biomass utilization as a renewable energy feedstock. • Proposed a system to overcome food waste problem in Surabaya using microbiological approach.
October 2020 - January 2021 Surabaya	Institut Teknologi Sepuluh Nopember/ Students Laboratory Teaching Assistant of Biochemistry Course <ul style="list-style-type: none"> • Taught the concept of enzyme related laboratory activity. • Provided manual book on enzyme topic laboratory activity. • Evaluated and supervised laboratory activity report before submitted to supervisor.
2019	ITS Biology Olympiad BOF/ Competition test maker

Surabaya

- Provided several question tests in biology for olympiad.

Organizational Experiences

September 2019-January 2021 Surabaya	Kelompok Studi Burung Liar Pecuk/ Staff of multimedia and information <ul style="list-style-type: none">• Provided ideas for monthly magazine.• Provided bird photographs.
February 2020 Thailand	Chulalongkorn University/ Participant at Chulalongkorn University international activity (CU INTERRACT) 2020, Bang Saen Beach, Chon Buri <ul style="list-style-type: none">• Exchanged culture and Experiences with new international friends.• Did team work competitions.
January 2020- May 2020 Thailand	Chulalongkorn University Debating Society/ Member <ul style="list-style-type: none">• Participated in national debating championship preparation.• Joined weekly training.
2018-2020 Surabaya	ITS Debating Society/ Member <ul style="list-style-type: none">• Participated in national debating championship.• Joined weekly training.
2019, Surabaya	OKKBK 2019/ Staff of media and information

Honor and award

August 2021- June 2022	Institut Teknologi Sepuluh Nopember Fast Track Scholarship awardee Gold medallist and best impact paper award in Indonesia Inventor Days 2020 Special award by MIICA on World Invention Competition and Exhibition (IYSA) Gold medallist on World Invention Competition and Exhibition (IYSA)
January 2020- May 2020	ASEAN & NON-ASEAN Countries 2019 Scholarship awardee
January 2019-June 2022	Bidikmisi On-Going Scholarship awardee

Publication

- Samboon, N. Ouying, P. Wannasrichan, W. Thoraneenityan, N. Achawong, T. Supatniyapong, K. Weerasopon, K. Khayunkan, C. **Danilyan**, E. Hermanto, M. Kadkanla, S. 2020. In Vitro Point-of-Care Diagnostic Assays for SARS-CoV-2 (COVID-19). Buddhachinaraj Medical Journal. 37 (2).
- Luqman, Arif., Alami, N. H., **Danilyan**, E., Azhari, B. A. Z., Dama, B. F. 2021. Bakteriologi Spesies Kosmopolit. Surabaya: Departemen Biologi ITS
- Iska Desmawati, Angga Gian, Rizki Widyaningsih, Zulfan Febriawan, Saniah Kusnatur, Ory Kurnia, Alwi Muhammad, Dimas Wildan and **Edo Danilyan**. 2021. Dry Season Bryophytes in Cangar Hotspring-Batu, East Java, Indonesia. Ecology, Environment and Conservation Paper. Vol:27, No.(90-93)