



Dr. Artini Pangastuti, S.Si., M.Si.

Teaching Areas:

Biochemistry
Microbiology
Molecular Biology

Organizations:

Indonesia Microbiology
Association

 artini_p@staff.uns.ac.id

SELECTED PUBLICATIONS

2021: Screening of some Indonesian medicinal plant extracts for anti quorum sensing activity to prevent *Aeromonas hydrophila* infection in *Oreochromis niloticus*. *Biodiversitas Journal of Biological Diversity* 22 (8), 3517-3522.

2020: Inhibition Of *Pseudomonas aeruginosa* Virulence Factors Expression Regulated By Quorum Sensing System Using Ethyl Acetate Extract Of Temu Ireng (*Curcuma aeruginosa*). *IOP Conference Series: Materials Science and Engineering* 858 (1), 012031.

2019: Metagenomic analysis of microbial community in over-fermented tempeh. *Biodiversitas Journal of Biological Diversity* 20 (4), 1106-1114

2018: Phylogenetic analysis based on internal transcribed spacer region (ITS1-5.8S-ITS2) of *Aspergillus niger* producing phytase from Indonesia. *AIP Conference Proceedings* 2014 (1), 020015

2017: Application of a Single and Combination of Plant-growth Promoting Bacteria and Actinomycete to Increase Chili (*Capsicum annuum* L.) Health and Growth. *Journal of Pure and Applied Microbiology* 11 (3), 1379-1387.

2015: The diversity of non-methanogenic bacteria involved in biogas production from tofu-processing wastewater. *Biodiversitas Journal of Biological Diversity* 16 (1).

2010: Bacterial communities associated with white shrimp (*Litopenaeus vannamei*) larvae at early developmental stages. *Biodiversitas Journal of Biological Diversity* 11 (2).

RESEARCH PROJECTS

2021: Suplementasi Pakan Dengan Ekstrak Daun Talok Sebagai Penghambat Ekspresi Faktor Virulensi *Aeromonas Hydrophila* Untuk Mencegah Motile *Aeromonas septicemia* (Mas) Pada Ikan Nila (*Oreochromis Niloticus*). Hibah Grup Riset Pnbp Uns.

2021: Bakteri Endofit Penghasil Enzim Antikanker L-Asparaginase Dari Tanaman Mangrove *Rhizophora mucronata*. Penelitian Fundamental (Pf-Uns)

2020-2021: Pengembangan Metode Deteksi Cepat Dalam Penentuan Regimen Terapi Warfarin Berbasis Genotipe Gen *Vkorc1*. Penelitian Unggulan (Pu-Uns)

2020: Aplikasi Edible Film Berbasis Chitosan Dengan Penambahan Ekstrak Krokot (*Portulaca oleracea* L.) Untuk Menghambat Kerusakan Mikrobiologis Dan Oksidatif Pada Keju Mozzarella. Hibah Grup Riset Pnbp Uns.

2018-2019: Aktivitas Antibakteri Dan Anti Quorum Sensing Ekstrak Etanol Daun Mengkudu (*Morinda citrifolia* L) Terhadap *Pseudomonas Aeruginosa*. Penelitian Fundamental (Pf-Uns).

ACADEMIC CAREER

2002-present: Assistant Professor, Faculty of Mathematics and Science
Sebelas Maret University

2008: PhD, IPB University

2001: MSc, IPB University

1998: BSc, IPB University