

EDUCATION

- 10/2022 – Present : PhD in Physics and Chemistry of Biological Systems** at SISSA, Trieste, Italy
Advisor: Dr. Jacopo Grilli
- 09/2021 – 08/2021 : Postgraduate Diploma Programme (Quantitative Life Science)** at The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy
Project: Numerical study of phase transition in low rank Spike models
Advisor: Dr. Jean Barbier
- 09/2017 – 10/2019 : Master of Science in Physics** at Universitas Indonesia, Depok, Indonesia
GPA: 3.84/4.00
Thesis title: Theoretical study on the effects of polarons on the transport properties of anatase TiO₂
Advisor: Muhammad Aziz Majidi, Ph.D.
- 09/2012 – 07/2016 : Bachelor of Science in Physics** at Universitas Indonesia, Depok, Indonesia
GPA: 3.67/4.00
Thesis title: Theoretical study on the magnetic moment formation and the ferromagnetic ordering in Ta doped TiO₂
Advisor: Muhammad Aziz Majidi, Ph.D and Prof. Andriwo Rusydi

WORK EXPERIENCE

- 12/2020 – 01/2022 : Education Consultant** at PT. Partner Impian Milenial, Jakarta, Indonesia
- 09/2018 – 01/2019 : Teaching Assistant for Computational Physics II** at Department of Physics, Universitas Indonesia, Depok, Indonesia
- 02/2018 – 06/2018 : Teaching Assistant for Computational Physics I** at Department of Physics, Universitas Indonesia, Depok, Indonesia
- 09/2015 – 01/2016 : Teaching Assistant for Introduction to Solid State Physics**, Department of Physics, Universitas Indonesia, Depok, Indonesia

SEMINAR AND CONFERENCE

- 24/04/2019 : Presenter** at 4th Annual Applied Science and Engineer Conference (AASEC), Bali, Indonesia
- 26/07/2016 : Presenter** at International Symposium on Current Progress in Functional Materials (ISCPMS), Bali, Indonesia
- 20/10/2015 : Presenter** at 9th Seminar of Magnetic Materials (SMM), Palembang, Indonesia

AWARDS AND SCHOLARSHIP

- 09/2017-10/2019 : Awardee of Beasiswa Unggulan**, Ministry of Education and Culture of the Republic of Indonesia
- 09/2014-07/2016 : Awardee of Beasiswa BPJS-YIIM**, BPJS Ketenagakerjaan (Employees Social Security System) Indonesia

PUBLICATION

- Annamaria Bupu and Muhammad Aziz Majidi, "Theoretical study on the effects of polarons on the transport properties of anatase TiO₂", *J. Phys.: Conf. Ser.*, **1402** (2019) 044110 (<https://doi.org/10.1088/1742-6596/1402/4/044110>)
- Annamaria Bupu, Muhammad Aziz Majidi, Andriwo Rusydi, "Theoretical study on the magnetic moments formation in Ta-doped anatase TiO₂", *IOP Conf. Ser.: Mater. Sci. Eng.*, **188** (2017) 012009 (<https://doi.org/10.1088/1757-899X/188/1/012009>)
- Muhammad Aziz Majidi, Annamaria Bupu, and Angga Dito Fauzi, "Modeling and calculation of RKKY exchange coupling to explain Ti-vacancy-induced ferromagnetism in Ta-doped TiO₂", *Physica B: Condensed Matter*, **526** (2017) 172-176 (<https://doi.org/10.1016/j.physb.2016.08.031>)

SKILL

Programming Language : Fortran 90/95, Python
Software : Quantum Espresso, MATLAB

LANGUAGE

Indonesia : Native Proficiency
English : Fluent