Solihin

Research Assistant, Research Center for Quantum Physics, South Tangerang, Indonesia
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Brief Personal Information

Nationality: Indonesian. **Place & Date of Birth**: Jogja Lama (Indonesia), January 10, 2003. **Languages**: Indonesian (native), Javanese (native), English (intermediate).

EDUCATION

Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia   September 2020 — February 2024
S.Si/B.Sc (Physics)   Cumulative GPA: 3.69/4.00 *Cumlaude*

Universitas Indonesia, Depok, Indonesia   August 2024 — *ongoing*
M.Si/M.Sc (Theoretical Condensed Matter Physics)

RESEARCH INTERESTS

Quantum Magnonics, Condensed Matter Physics, Quantum Mechanics, and Quantum Optics.

WORK EXPERIENCE

Research Center for Quantum Physics, BRIN   South Tangerang, Indonesia
Research Assistant   May 2023 — *ongoing*

Institut Teknologi Sepuluh Nopember   Surabaya, Indonesia
Teaching Assistant   2022 — 2023

ORGANIZATION

Mahkamah Mahasiswa ITS
(The student judiciary institution at Institut Teknologi Sepuluh Nopember)
Leader   March 2023 — March 2024

Mahkamah Mahasiswa ITS
(The student judiciary institution at Institut Teknologi Sepuluh Nopember)
Staff for external and judicative affairs   May 2022 — March 2023

PUBLICATIONS

Kengo, F., **Solihin, S.**, Ukhtary, M. S., Suwardy, J., Majidi, M. A., & Nugraha, A. R. (2024). Tunable optical absorption in undoped graphene sandwiched between multilayer dielectric stacks with mirror symmetry. Physica Scripta, 99(3), 035513.

TECHNICAL SKILLS

- **Windows** and **Linux** *(intermediate)*. I have experience with various versions of Windows over the past 10 years and also with some distributions of Linux-based operating systems (Debian and Ubuntu).
- **Programming Languages: Python** *(intermediate)*, **Matlab** *(intermediate)*, and **Fortran** *(basic)*. I use Python, Matlab, and Fortran for my research.
- **LaTeX** *(intermediate)*. I use LaTeX for writing research papers.