



NURUL FITRIYAH SULAEMAN, PH.D

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RESEARCH INTEREST

- Science-Technology-Engineering-Mathematics (STEM) Education
- Engineering Design Process
- Assessment in Education
- Pre-service science teacher

PUBLICATION AND CONFERENCE EXPERIENCE

Recent Publications and Patents

- **Sulaeman, N.F.**, Ewinda, Shelly., & Putra, P.D.A. (2022). Teacher readiness in STEM education: Voices of Indonesian Physics teachers. *Journal of Technology and Science Education*, 12(1), 68-82.
- **Sulaeman, N.F.**, Putra, P.D.A., Mineta, Ippei., Hakamada, Hiroki., Takahashi, Maschiro., Ide, Yuhsuke., & Kumano, Yoshisuke. (2021). Exploring student engagement in STEM education through the engineering design process. *Jurnal Penelitian dan Pembelajaran IPA*, 7(1), 1-16.
- **Sulaeman, N.F.**, Putra, P.D.A., Mineta, I., Hakamada, H., Takahashi, M., Ide, Y. & Kumano, Y. (2021). Engaging STEM education for High School student in Japan: exploration of perception to engineer profession. *Jurnal Penelitian dan Pembelajaran IPA*, 6(2), 194-210.

Conferences

- iSTEMhouse 2019, FKIP UNEJ, Indonesia, September 2019
- Society of Japan Science Teaching (SJST) annual conference, Japan, September 2019
- European Science Education Research Association (ESERA), Italy, August 2019
- International Conference on Science, Mathematics, Environment and Education (ICoSME), UNS, July 2019
- Association for Science Teacher Education (ASTE), The U.S. of America, January 2019
- East-Asian Association of Science Education (EASE) International Conference, Taiwan, 2018
- Society of Japan Science Teaching (SJST) annual conference, Japan, September 2018

INDUSTRY AND COMMUNITY COLLABORATIONS

- Trainer for teacher's professional development in STEM education, 2020
- STEM education in elective class at Shizuoka University Affiliated Junior High School, Japan, 2019-2020
- East-Asian Association of Science Education (EASE) Autumn School, Japan, 2019
- Observation in Minnesota STEM Centre, University of Minnesota, The U.S. America, 2019
- Observation of STEM School, Minnesota, The U.S. America, 2019
- Promotion of Research Integrity Training, Japan, 2018

CONTACT

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FORMAL EDUCATION

Bachelor of Physics Education:
**Sebelas Maret University, Indonesia,
Graduated 2010**

Master of Education Research and
Evaluation :
**Yogyakarta State University,
Indonesia, Graduated 2010**

Ph. D of Science Education:
**Shizuoka University, Japan, Graduated
2020**