

# SHELLY EFWINDA, S.PD., M.PD

Nlp. 199104112020122008

## RESEARCH INTEREST

- Pedagogical Content Knowledge (PCK)
- Technological, Pedagogical and Content Knowledge (TPACK)
- Learning Models for Science Subject Matter
- Metacognition

## PUBLICATION AND CONFERENCE EXPERIENCE

### Recent Publications and Patents

- Sulaeman, N.F., **Efwinda, 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.
- **Efwinda, Shelly.** & Mannan, M.N. (2021). Technological pedagogical and content knowledge (TPACK) of prospective physics teachers in distance learning: self-perception and video observation. *Journal of Physics: Conference Series*, 1806(1)
- **Efwinda, Shelly.** & Mannan, M.N. (2020). Pedagogical Content Knowledge Ability in Reflecting Project-Based Learning on Physics Concepts. *Proceedings of the 7th Mathematics, Science, and Computer Science Education International Seminar, MSCEIS 2019.*
- Hardinata, Aristo., Simatupang, Halim., Hanifa, Fatin., Latip, Abdul., **Efwinda, Shelly.**, & Yogica, Relsas. (2020). Survey on the Effectiveness of Online Lectures During Covid-19 Pandemic: METHODS AND DIFFICULTIES. *ISER (Indonesian Science Education Research)*, 2(2).

### Conferences

- 3<sup>rd</sup> Educational Sciences International Conference 2020, FKIP UNMUL, Indonesia, November 2020
- ICMSCE 2020, FMIPA UPI, Indonesia, July 2020
- 2<sup>nd</sup> Educational Sciences International Conference, FKIP UNMUL, 2019
- 7<sup>th</sup> International Seminar on Mathematics, Science, and Computer Science Education (MSCEIS), FMIPA UPI, Indonesia, 2019
- 1<sup>st</sup> Educational Sciences International Conference, FKIP UNMUL, 2018

## INDUSTRY AND COMMUNITY COLLABORATIONS

- Instructor teacher professional development in STEM, FKIP Universitas Mulawarman 2020
- Instructor for STEM based learning media workshop, FKIP Universitas Mulawarman, 2020
- Instructor for development of learning material based on 4C for Samarinda teachers, FKIP Universitas Mulawarman 2019
- Instructor for active learning for physics teacher in Samarinda, FKIP Universitas Mulawarman 2019
- Instructor for teacher professional development in laboratory management, FKIP Universitas Mulawarman, 2016 - 2019



## CONTACT

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## FORMAL EDUCATION

Bachelor of Physics Education:  
**Mulawarman University, Indonesia,**  
**Graduated 2013**

Master of Science Education :  
**Indonesia University of Education,**  
**Graduated 2015**