



Prof. Drs. Suminar Pratapa, M.Sc, Ph.D.

196602241990021001

Professor

EDUCATION

UNDERGRADUATE PROGRAM

University: Universitas Gadjah Mada, Indonesia
Year of Graduation: 1989
Research Field: Physics

MASTER PROGRAM

University: Curtin University of Technology, Australia
Year of Graduation: 1997
Research Field: Applied Physics

DOCTORAL PROGRAM

University: Curtin University of Technology, Australia
Year of Graduation: 2003
Research Field: Applied Physics

WORK EXPERIENCE

Lecturer – Department of Physics, ITS, Indonesia
Since. 1990 – present

Other Works Experiences

N/A

TEACHING EXPERIENCE

Courses for Undergraduate Program

Compulsory: Mathematical Physics I, II, III; Physics I and II; Statistical Physics; Scientific Writing Methods. Elective: Analytic Methods for Materials.

Courses for Master Program

Compulsory: Statistical Mechanics. Elective: Analysis of Research, Polymer Materials.

Courses for Doctoral Program

Doctoral Seminar; Synthesis of Advanced Materials, Material Characterization & analysis, Doctoral Seminar, Structure and Properties of Materials, Capita Selecta I and II

DESCRIPTION

Research interest: condensed matter physics, advanced functional materials, diffraction data analysis.

Research experiences: synthesis and characterization of polymeric, solid ceramic and powdered ceramic composites; advanced characterization using XRD, TEM, and XAS. Collaboration with national research institutes (LIPI, BATAN, universities). Member of international organizations: ICDD USA, AXAA Australia, and national: IPS (Physics), MRS-Ina, Nano Society. Supervising more than 10 PhD students (most have graduated, currently 3 students, as principal supervisor), more than 20 master students (5 are now under supervision), and more than 30 bachelor students (3 are now under supervision).

AFFILIATION

Department of Physics
Faculty of Science and Data Analytics
Institut Teknologi Sepuluh Nopember (ITS)

LABORATORY

Laboratory of Advanced Materials

CONTACT

📍 ITS Campus, Keputih,
Sukolilo, Surabaya 60111,
INDONESIA

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FIELD OF EXPERTISE

Materials Physics. Diffraction Data Analysis, Condensed Matter Physics, Ceramics and Composites

PUBLICATION

SINTA:
<https://sinta.ristekbrin.go.id/authors/detail?id=29032&view=overview>

SCOPUS:
<https://www.scopus.com/authid/detail.uri?authorId=6603657832>

GOOGLE SCHOLAR:
<https://scholar.google.co.id/citations?user=cRg2zoAAAAJ&hl=en>