



## **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>

# **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**

Cumpulsory: 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).