

# CERTIFICATE OF ATTENDANCE

*Dr. Subur P. Pasaribu*

Has Attended the Webinar Series III from HORIBA Indonesia:

**“From Atomic Force Microscopy (AFM), Scanning Probe Microscopy (SPM),  
and Surface-Enhanced Raman Spectroscopy/Scattering (SERS) to Nano Raman Spectroscopy with  
Tip-Enhanced Raman Scattering (TERS)”**

On 26-30 July 2021

**Scope:**

- Theory of Atomic Force Microscopy (AFM) and Scanning Probe Microscopy (SPM)
- Theory of Surface Enhanced Raman Spectroscopy/Scattering (SERS) and Tip Enhanced Raman Scattering (TERS)
- Hardware of SPM and Nano Raman Spectroscopy
- Applications from SPM, SERS to TERS
- Demo SPM and Nano Raman Spectroscopy

**Total: 12.5 Hours**

**Date : 30 July 2021**

**CER-NUM : HID-WSIII-SCI**



**HORIBA**  
Scientific

**Asia Export Manager**

**Rudy Fleuret  
(Horiba France)**

**AFM & Nano Raman  
Product Manager**

**Dr. Thomas CARLIER  
(Horiba France)**