



Name (with title) : Dr. Widayanti, M. Si.
 Position : Assistant Professor
 Department : Physics
 Email : widayanti@uin-suka.ac.id
 Teaching and Research Area : Material Physics

Academic Career:

Initial academic appointment	Position	Institution	Year
Doctorate/PhD degree	Physics	Universitas Gadjah Mada	2018
Master/MSc degree	Physics	Universitas Gadjah Mada	2006
Undergraduate degree	Physics	Universitas Gadjah Mada	2001

Employment:

Position	Employer	Period
Lecturer	UIN Sunan Kalijaga	2006 - Present
Head of Physics Study Program	Department of Physics	2010 - 2013

Primary Publications:

No	Title	Journal	Volume	Issue	Year
1	BCMEHC (Brick From Cow Manure, Egg Shell, Husk Rice and Clay) as an Alternative to Waste Treatment Livestock in Depokrejo Village Purworejo Regency	Accept (Annual Conference on Community Engagement for Peaceful Transformation)	01	01	2022
2	A Design of The Second Generation of UIN Sunan Kalijaga's UV Fluorescence Spectro-Imaging System	ICSE(International Conference on Science and Engineering)	21		2021
3	A comparative study of applying different prisms and metallic layers in the surface plasmon resonance-based biosensor enhanced by the inclusion of the core-shell nanoparticles	AIP Conference Proceeding	2014		2018
4	Computational Study of Sensitivity Enhancement in Surface Plasmon Resonance (SPR) Biosensors by	Biosensor	8	3	2018



UIN SUNAN KALIJAGA YOGYAKARTA

FACULTY OF SCIENCE AND TECHNOLOGY

Jl. Marsda Adisucipto Yogyakarta 55281, Telp: +62274519739, Fax: +62274540971,

E-mail: fst@uin-suka.ac.id, website: <http://saintek.uin-suka.ac.id/>

	Using the Inclusion of the Core-Shell for Biomaterial Sample Detection				
5	Design and Simulation of the High Sensitivity Detection of Hemoglobin (Hb) Concentration in Human Blood by The Core- shell Enhanced Surface Plasmon Resonance (SPR)-Based Biosensor	IJAER (International Journal of Applied Engineering Research)	13	8	2018

Involvement in the Professional Associations:

Organization name	Specific role	Level	Period
Physical Society of Indonesia	members	members	2018 - Present