



Name : Ade Kurniawan, M. Si.
 Position : Instructor
 Department : Physics
 Email : Ade.kurniawan@uin-suka.ac.id
 Teaching and Research Area : Instrumentation and sensor

Academic Career:

Initial academic appointment	Position	Institution	Year
Master/MSc degree	Physics	IPB University	2015
Undergraduate degree	Physics	IPB University	2011

Employment:

Position	Employer	Period
Lecturer	UIN Sunan Kalijaga	2019 - present

Primary Publications:

No	Title	Journal	Volume	Issue	Year
1	Optimization of a triazine-based acceptor (CN-T2T) as the electron transport layer for highly efficient near-infrared perovskite light-emitting diodes	Journal of Materials Chemistry C	11	34	2023
2	Improving the efficiency of near-IR perovskite LEDs via surface passivation and ultrathin interfacial layers	Cell Reports Physical Science	3	12	2022
3	Development of blood hemoglobin level early detection device based on a noninvasive optical platform	Heliyon	8	9	2022
4	Modulation of the carrier balance of lead-halide perovskite nanocrystals by polyelectrolyte hole transport layers for near-infrared light-emitting diodes	Heliyon	8	9	2022
5	Smart farming: Sistem tanaman hidroponik terintegrasi IoT MQTT panel berbasis android	Jurnal Keteknikaan Pertanian Tropis Dan Biosistem	9	1	2021
6	Android based XRD data analysis software design for cube crystal	AIP Conference Proceedings	2320	1	2021



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/>

	structure with analytic and Cohen methods				
7	Non-invasive hemoglobin blood level measurement system	AIP Conference Proceedings	2320	1	2021
8	Non-invasive blood haemoglobin level measurement	AIP Conference Proceedings	2320	1	2021
9	Non-invasive measurement of blood glucose biomimetics with the reflectance method on near-infrared light source	AIP Conference Proceedings	2320	1	2021
10	Determination of light source modules on blood glucose biomimetics using the reflectance method	AIP Conference Proceedings	2320	1	2021
11	General protocol for ethical conforming development for non-invasive blood biomarker measurement optical device	AIP Conference Proceedings	2320	1	2021
12	Design of Light Control Sub-system Based on Pulse Width Modulation to Perfect The First Generation of UIN Sunan Kalijaga's High Power UVLED Fluorescence Spectroscopy System	Proceeding International Conference on Science and Engineering	4		2021
13	Application of barium strontium titanate (BST) as a light sensor on led lights	Ferroelectrics	554	1	2020

Involvement in the Professional Associations:

Organization name	Specific role	Level	Period
Physical Society of Indonesia	Member	Nasional	2022- present