

Table 3.1.2. Ba-Physics Research, Publications, and Community Service Records

No	Research, Publications, and Community Service Records	Authors
1	Artificial neural network for cervical abnormalities detection on computed tomography images	Erlinda Ratnasari Putri, Ahmad Zarkasi, Prawito Prajitno, Djarwani Soeharso Soejoko
2	The Stable and Unstable Oscillations of a Rod Attached to Many Springs	Handika Dany Rahmayanti, Mikrajuddin Abdullah, Elfi Yuliza and Rahmawati Munir
3	Determination of the Diagnostic Reference Level (DRL) in Samarinda Hospitals	Raudatul Jannah, Rahmawati Munir and Erlinda Ratnasari Putri
4	Analysis of Radiation Exposure Level on Linen and Other Objects in Patient Rooms at Nuclear Medicine Installation	Anisa Putri, Rahmawati Munir and Erlinda Ratnasari Putri
5	Analysis of ITO/a-Si:H(p)/a-Si:H(i)/c-Si(n)/Al HIT (Heterostructure with Intrinsic Thin Layer) Solar Cell Performances	Igor Levi Satriani, Dadan Hamdani, Rahmawati Munir dan Adrianus Inu Natalisanto
6	Study on structure and morphology of silicon-substituted LiFePO₄/C doped material	Fahmi Astuti, Vera L Maghfirohtuzzoimah, Sahara H Intifadhah, Pelangi Az-Zahra, Muhammad R Ramadhan, Mochamad Zainuri, Darminto Darminto
7	Identifying Factors Affecting Mathematics Score In The Junior High School Students During Covid-19 Pandemic In Samarinda, Indonesia	Darnah, Rahmawati Munir, Memi Nor Hayati, dan Wasono
8	The Effects of Dopant Concentration on the Performances of the a-SiO_x:H(p)/a-Si:H(i1)/a-Si:H(i2)/μc-Si:H(n) Heterojunction Solar Cell	Dadan Hamdani, Soni Prayogi, Yoyok Cahyono, Gatut Yudoyono, D Darminto
9	Effect of active layer thickness on the performance of amorphous hydrogenated silicon solar cells	Soni Prayogi, Yoyok Cahyono, Dadan Hamdani
10	Physic laboratory by video tracker and Visual Basic for Application at home during Covid-19 pandemic: Material elasticity measurement	Rahmawati Munir, Nadya Amalia dan Rahmiati Munir
11	X-ray Absorption Near Edge Structure (XANES) Spectrum Interpretation for LiFePO₄-Silicon Doped Cathode Material	Sahara Hamas Intifadhah, Kholis Nurhanafi, Fahmi Astuti, Rahmawati Munir, Dadan Hamdani, Darminto Darminto

12	Removal of Heavy Metals (Fe and Pb) in The Mahakam River Water Using Eggshells and Rubbing Ash as Adsorbent	Alris Sanca Pratama Putra, Akbar Perdana, Ahmad Zarkasi, Dadan Hamdani, Rahmawati Munir
13	Analysis of Air Changes per Hour on Ventilation of Laboratory in a Tropical Rain Forests Area	Namira Yolanda, Erlinda Ratnasari Putri dan Rahmawati Munir
14	The influences of the front work function and intrinsic bilayer (i1, i2) on p-i-n based amorphous silicon solar cell's performances: A numerical study	Dadan Hamdani, Prayogi, S., Cahyono, Y., Yudoyono, G., & Darminto, D
15	Numerical assessment of flushing time in Balikpapan Bay	Mutiara Rachmat Putri, Najwan Alghifari, Lamona Irmudyawati Bernawis, Agus Setiawan, Idris Mandang
16	Influences EL Nino Southern Oscillation (ENSO) on rainfall in East Kalimantan-Indonesia	Idris Mandang, Rahmiati
17	A spatio-temporal description of COVID-19 cases in East Borneo using improved geographically and temporally weighted regression (I-GTWR)	Sifriyani, Idris Mandang, Fidias Tisna Amijaya, Miftahus Sholihin, Andrea Tri Rian Dani
18	Applied Geophysics for Soil Structure Forensics and Landslide Road Handling in Muara Badak District, Kutai Kartanegara Regency, East Kalimantan	Wahidah, Piter Lepong, Djayus, Supriyanto, Andi Alamsyah, Qori Fajar Hermawan
19	Effects of Fusion Device Designs on Spine Biomechanics: Computational Simulation for Smart Health Care	Ting-Kuo Chang, Ching-Chi Hsu, Ming-An Yang, Devina Sutaji
20	Efforts to Increase Interest in Learning Physics Science at SDN 022 North Samarinda Through Basic Measurement Training	Rahmawati Munir, Mislan, Ahmad Zarkasi, Erlinda Ratnasari Putri, Wahidah, Idris Mandang