



## CURRICULUM VITAE

**Dr. rer. nat. Deski Beri, S.Si., M.Si.**

**Faculty:** Fakultas Matematika dan IPA

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### Biography

#### Scopus of the Last 5 Years

Silicon quantum dots: surface matter, what next?. *Materials Advances*, Beri D., 2023

Fabrication of ballpoint-ink via encapsulating inorganic pigments in microemulsion gels. *RSC Advances*, Beri D., 2022

Association structure and solubility dynamic of methyl red and methylene blue in the system of water, sodium dodecyl benzene sulfonate and pentanol. *Journal of Physics: Conference Series*, Putra A., 2021

Improved photon absorption in dye-functionalized silicon nanocrystals synthesized: Via microwave-assisted hydrosilylation. *Dalton Transactions*, Beri D., 2020

Experimental Determination of Complex Optical Constants of Air-Stable Inorganic CsPbI<sub>3</sub> Perovskite Thin Films. *Physica Status Solidi - Rapid Research Letters*, Yan W., 2020

Enhancing Singlet Oxygen Generation in Conjugates of Silicon Nanocrystals and Organic Photosensitizers. *Frontiers in Chemistry*, Beri D., 2020

#### Web of Science (WoS) of the Last 5 Years

Silicon quantum dots: surface matter, what next?. *MATERIALS ADVANCES*, , 2023

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Improved photon absorption in dye-functionalized silicon nanocrystals synthesized via microwave-assisted hydrosilylation. *DALTON TRANSACTIONS*, Beri, D; Jakoby, M; Howard, IA; Busko, D; Richards, BS; Turshatov, A;, 2020

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### Google Scholar of the Last 5 Years

Contextual Sociology Teaching Materials for High School Sociology Learning. Unima International Conference on Social Sciences and Humanities (UNICSSHÂ ..., 2023, E Erianjoni, D Beri, A Yusra, 2023

Silicon quantum dots: surface matter, what next?. Materials Advances, 2023, D Beri, 2023

Degradation of Methyl Green Dyes with ZnO Catalyst using the Photosynthesis Method. Periodic 11 (2), 6-9, 2022, MG Ariski, H Sanjaya, A Alizar, D Beri, Y Yohandri, 2022

Pengaruh Penambahan Konsentrasi (NH<sub>2</sub>)<sub>2</sub>CO Terhadap Karakteristik TiO<sub>2</sub> dan Aktifitas Fotokatalitiknya Dalam Mendegradasi Methylene Blue. Periodic 11 (2), 61-64, 2022, NE Mudia, R Zainul, D Beri, S Aini, 2022

Fabrication of ballpoint-ink via encapsulating inorganic pigments in microemulsion gels. RSC advances 12 (38), 24640-24646, 2022, D Beri, S Budiman, NY Sudiar, A Yusra, E Erianjoni, G Ganefri, A Amran, 2022

Surface functionalization of silicon nanocrystals via a microwave reactor. Dissertation, Karlsruhe, Karlsruher Institut für Technologie (KIT), 2020, 2021, D Beri, 2021

Improved photon absorption in dye-functionalized silicon nanocrystals synthesized via microwave-assisted hydrosilylation. Dalton Transactions 49 (7), 2290-2299, 2020, D Beri, M Jakoby, IA Howard, D Busko, BS Richards, A Turshatov, 2020

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Enhancing singlet oxygen generation in conjugates of silicon nanocrystals and organic photosensitizers. Frontiers in Chemistry 8, 567, 2020, D Beri, M Jakoby, D Busko, BS Richards, A Turshatov, 2020

Synthesis of High Plq and Good Stability Silicon Nanocrystal Functionalized Using Microwave-assisted Hydrosilylation. Karlsruhe Institute of Technology, 2020, D Beri, D Busko, BS Richards, A Turhatov, 2020

Kimia Fisika: Penuntun Pratikum. Kimia FMIPA UNP, 2019, A Amran, H Hardeli, A Putra, R Zainul, UK Nizar, Y Yerimadesi, D Beri, ..., 2019

### Research of the Last 5 Years

Destabilitas Asosiasi Amfifil Dari Sistem Surfaktan, Kosurfaktan Dan Air Akibat Penambahan Garam-garam Anorganik. Penelitian Khusus Guru Besar, Leader: Ali Amran, Implementation Year: 2022

### Community Service of the Last 5 Years

### IPR's of the Last 5 Years

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**Book of the Last 5 Years**

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