

Faizhal Arif Santosa

EDUCATION

University of Sheffield

September 2025 – September 2026

Incoming MSc Data Science Student

Indonesia Open University

August 2014 – September 2018

Bachelor of Literature Studies

PROFESSIONAL EXPERIENCE

National Research and Innovation Agency

Sleman, Indonesia

Librarian
Present

October 2021 –

- Building a full-text search system portal using text mining
- Providing written work assistance and bibliometric services to the academic community and the general public.
- Conducted several research projects aimed at improving library services.

National Nuclear Energy Agency of Indonesia

Sleman, Indonesia

Librarian
2021

January 2021 - September

- Transformed a traditional library into a technology-based one within a directorate.
- Involved creating innovative services and making them accessible to the general public.
- Developed online services to address the challenges posed by the pandemic.

Vocational High School State 1 of Bawang

Banjarnegara, Indonesia

Librarian
2020

October 2018 - November

- Successfully rebranded the library, initiated a literacy trophy, and created a community-friendly space for expression.
- Became a multimedia extracurricular coach and helped students win numerous trophies in film competitions.

PUBLICATION

- Santosa, F. A., Lamba, M., George, C., & Downie, J. S. (2024). Coconut Libtool: Bridging Textual Analysis Gaps for Non-Programmers. arXiv. <https://doi.org/10.48550/arXiv.2406.05949>
- Arum dini, S., Ariani, R., & Santosa, F. A. (2024). Exploring topics of the female librarians: Topic modelling approach on research articles. *Record and Library Journal*, 10(1), 164–179. <https://doi.org/10.20473/rlj.v10-i1.2024.164-179>
- Santosa, F. A. (2023). Adding Perspective to the Bibliometric Mapping Using Bidirected Graph. Walter de Gruyter GmbH. <https://doi.org/10.1515/opis-2022-0152>
- Santosa, F. A. (2023). Prior Steps into Knowledge Mapping: Text Mining Application and Comparison. University of Alberta Libraries. <https://doi.org/10.29173/istl2736>
- Santosa, F. A. (2023). Exploring Final Project Trends Utilizing Nuclear Knowledge Taxonomy. American Library Association. <https://doi.org/10.6017/ital.v42i1.15603>
- Santosa, F. A., & Suprianto, D. (2022). Clustering of Librarians' Initial Knowledge on the Theme of Training. Universitas Airlangga. <https://doi.org/10.20473/rlj.v8-i2.2022.347-358>
- Santosa, F. A. (2022). Data Visualization as a Library Service to Help Economic Growth. STAIN Ponorogo. <https://doi.org/10.21154/pustakaloka.v14i2.4354>

VOLUNTEER EXPERIENCE

- Niños de Guatemala** - Guatemala (Online), Mar 2017 - Oct 2017. Graphic designer for educational materials.
- Kiwi Muslim Directory** - New Zealand (Online), August 2016 - January 2020. Graphic designer for directory.
- Auckland Eid Day** - New Zealand (Online), June 2015 - September 2015. Graphic designer for promotional materials.

AWARD

- Best Paper** - Airlangga Record and Library Conference 2022. D3 Perpustakaan Universitas Airlangga.
- Best Librarian** - Banjarnegara Librarian Competition 2019. Dinas Kearsipan dan Perpustakaan Banjarnegara.

ADDITIONAL

Guest speaker at the academic session for undergraduate students at The University of Oklahoma, School of Library and Information Studies.

Co-supervisor for a project during the Spring 2024 semester for the courses IS 579 Guided Research Experience and IS 189 Independent Study at the University of Illinois at Urbana-Champaign, 2024.

Led a team on the Coconut Library Tool project, which involved analyzing textual data for librarians and presented it in a poster session on Research Showcase - School of Information Sciences, 2023.

Speaker on Big Talk From Small Libraries held by Nebraska Library Commission with the theme of how to use technology to cope with the workload in libraries, 2023.

Received the Digital Talent Scholarship for Data Science Fundamentals from the Ministry of Communication and Information Technology, Indonesia, 2022.