

Bintang Noor Prabowo

Postdoctoral Fellow in Community-Based Strategies and Tools for a Sustainable Built Environment – Indonesia Living Lab (Indramayu)

Description

Postdoctoral Fellow

Bintang is a registered architect, lecturer, and researcher specializing in Urban-scale and Community-based Facility Management (CbFM), especially in urban heritage areas. With over two decades of experience in architecture, urban design, and sustainability, he holds a PhD in Urban-scale (Heritage) Facility Management from the Norwegian University of Science and Technology (NTNU). His work bridges technical precision and social engagement, aiming to support resilient, inclusive, and community-led transformations in the built environment.

Education

2019-2024

Norges teknisk-naturvitenskapelige universitet (NTNU)
Ph.D. in the Department of Civil and Environmental Engineering (IBM)

Urban Heritage Facility Management (UHFM)

2001-2002

Diponegoro University (UNDIP)
Master's degree in architecture engineering (urban design)

Thesis: "Study of urban design character in the train station area as a part of Old-city configuration"

1996-2001

Diponegoro University (UNDIP)
Bachelor's degree in architecture

Graduated Cum Laude

Final Project: "Development of Solo-Balapan train station with shopping mall and three stars hotel as supporting facilities in Surakarta"

Work experience

2025-Ongoing	Postdoctoral Fellow in Community-Based Strategies and Tools for a Sustainable Built Environment , NTNU, Trondheim, Norway
2024-2025	Researcher for the New European Bauhaus (NEB) , NTNU, Trondheim, Norway
2019-2024	Ph.D./ Stipendiat position , NTNU, Trondheim, Norway
2024-Ongoing	Ambassador of PLUS Change , Global Change Research Institute CAS, CzechGlobe, Brno, Czech Republic
2022-2024	Multimedia manager - Let's Talk Innovation , IV-NTNU, Trondheim, Norway
2012-2019	University lecturer/ assistant professor , UNDIP, Semarang, Indonesia
2005-2019	Principal architect, Owner , CV. Graha Cipta Sejahtera, Semarang, Indonesia
2001-2005	Junior architect, Project leader , CV. Widya Dharma, Semarang, Indonesia

Teaching experience

2012-2019	Diponegoro University (UNDIP) , Semarang, Indonesia Assistant Professor, Researcher - Architectural Conservation course, undergraduate - Material Technology, undergraduate - Architectural Studio, undergraduate - Developed learning materials, assignments, and exams - Revised the syllabus to meet accreditation standards - Coordinated grading and labs with a team of multiple teaching assistants and instructors
2020-Ongoing	NTNU , Trondheim, Norway Ph.D/Postdoc duties - TBA4125 BM4 Prosjektering - TBA4170 Transformasjon og ny bruk av eksisterende bygninger - TBA4176 Bygg og eiendomsforvaltning - TBA4179 Tettsteds- og områdeforvaltning

Publications

- 2025
- Prabowo, B.N., **Community-based Facility Management in an Urban Experiment Area: Case Svarflamon**, The 24th EuroFM Research Symposium, Trondheim, Norway, 2025, Published. Best Paper Award.
- Prabowo, B.N., **The Roles of Architects and Urban Designers in Facility Management**, CIB Conferences: Vol. 1 Article 79., Purdue, Indiana, USA, 2025, Published
- Petersen, S.A., Prabowo, B.N., Salaj, A.T., et al., **Local Context and Multi-disciplinarity to Address Smart City Challenges in a Hackathon: The Case of Smart City Development in Kochi**, 7th IFAC Symposium on Telematics Applications TA 2025: Padova, Italy, 2025, Published
- 2024
- Prabowo, B.N., Salaj, A.T., Johansen, A., **From Classical Management to Urban Heritage Facility Management: Mobility and Accessibility in Urban Heritage Areas**, CIRRE 2023, Belgrade, 2024, Published
- Prabowo, B.N., Salaj, A.T., Lohne, J., **Urban Heritage Facility Management: A Conceptual Framework for the Provision of Urban-scale Support Services in Norwegian World Heritage Sites**, Heritage, MDPI, 2024, Published
- 2023
- Prabowo, B.N., Salaj, A.T., **The older adults in the smart urban heritage area: A mini-scoping review of inclusivity in the World Heritage sites**, IFAC 2023, Yokohama, 2023, Published
- Prabowo, B.N., Salaj, A.T., Lohne, J., **Identifying urban heritage facility management support services considering World Heritage sites**, Urban Science, MDPI, 2023, Published
- Prabowo, B.N., Salaj, A.T., **Urban heritage and the four pillars of sustainability: Urban-scale facility management in the world heritage sites**, SBE23, Thessaloniki, IOP, 2023, Published
- 2022
- Støre-Valen, M., Salaj, A.T., Prabowo, B.N., **Motivation for doing a sustainable building refurbishment from a Norwegian building owner's perspective**, CREON 2022, Copenhagen, Springer, 2022, Published
- Prabowo, B.N., Hjelseth, E., Salaj, A.T., **HBIM application in historic town: A scoping literature review**, ECCPM 2022, Trondheim, Routledge, Taylor & Francis, 2022, Published
- Senior, C., Ishtiaque, T. A., Azebeokhai, E.P., Gohari, S., Salaj, A.T., Prabowo, B.N., **User involvement in the development of campus project in covid19 period**, MIC 2022, Ljubljana, 2022, Published
- 2021
- Prabowo, B.N., Salaj, A.T., **Identifying Overtourism Impacts on the Informal Sector's Livelihoods in Urban Heritage Area**, SENVAR 2021, Bandung, IOP, 2021, Published

Prabowo, B.N., Salaj, A.T., Lohne, J., **Urban Heritage Facility Management: A Scoping Review**, Applied Sciences, MDPI, 2021, Published

Prabowo, B.N., Salaj, A.T., **Facility Management Perspective on Refurbishment of Heritage Building: Life Cycle Analysis of Protected Building in Nedre Bakklandet 47**, the 22nd International Scientific and Practical Conference: Renewable Energy and Energy Efficiency in The 21st Century, Kyiv, Published

Hasan, M.I., Prabowo, B.N., Mohidin, H.H.B., **An Architectural Review of Privacy Value in Traditional Indonesian Housings: Framework of Locality-Based on Islamic Architecture Design**, JDBE, University of Malaya, 2021, Published

2020 Prabowo, B.N., Salaj, A.T., **Systemic Approaches in Revitalization of Semarang Old City Heritage Site: From Neglected Area to Tourism Destination**, PT 2020, Belgrade, 2020, Published

Prabowo, B.N., Pramesti, P.U., Ramandhika, M., Sukawi, S., **Historic urban landscape (HUL) approach in Kota Lama Semarang: mapping the layer of physical development through the chronological history**, ICSADU 2019, Surakarta, IOP, 2020, Published

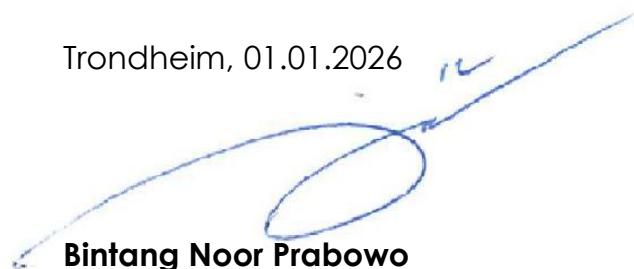
2019 Widiastuti, R., Bramiana, C.N., Bangun, I.R.H., Prabowo, B.N., Ramandhika, M., **Vertical Greenery System as the Passive Design Strategy for Mitigating Urban Heat Island in Tropical Area: A Comparative Field Measurement Between Green Facade and Green Wall**, ICSADU 2018, Semarang, IOP, 2019, Published

2018 Widiastuti, R., Prabowo, B.N., Bramiana, C.N., Ramandhika, M., Sukawi, S., Hermin, W., **Comparative Effect of Roof Material Toward Thermal Condition on the Roof Space. Case Study: High Density Settlement in Semarang City**, Advanced Science Letters, American Scientific Publishers, 2018, Published

2017 Prabowo, B.N., Widiastuti, R., Bramiana, C.N., **Conservation of Semarang Chinatown traditional settlement as physical characteristics of Chinatown district**, ICSADU 2017, Semarang, IOP, 2017, Published

Courses	2022	NFUT0102 Norsk for utlendinger (2022 VÅR)
	2020	AAR8140 Bygningsdokumentasjon og analyse (2020 HØST)
	2020	TBA4176 Bygg og eiendomsforvaltning (2020 HØST)
	2020	IFEL8000 Forskningsmetodikk, vitenskapsteori og etikk (2020 VÅR)
	2020	BA8111 Område- og tettstedsforvaltning (HØST 2020)
	2020	AAR8200 Byøkologisk planlegging i ulike kulturer (2020 VÅR)
	2019	EDGE Green Building Software Workshop (IAI, 2019, Indonesia)
	2017	Sustainable Glazing for Green Building (ASAHI, 2017, Indonesia)
	2017	Training and Competency Certification as an Assessor (BNSP, Indonesian Professional Certification Authority, 2017, Indonesia)
	2016	3D technology application workshop for cultural heritage data recording (The Ministry of Education and Culture, 2016, Indonesia)
Professional affiliations	2005-Present	Indonesian Board of Architects (DAI)
	2023-Present	International Facility Management Association (IFMA)
Languages	English	Fluent
	Norsk	Basic (A2/B1 level, passed NFUT0102)
	Indonesian	Native speaker
	Javanese	Native Speaker (the main local language in Java, with 100 million speakers.)
	Malay	Fluent
Software	AutoCAD	Advance
	3D Sketchup	Advance
	Adobe Photoshop	Advance
	Autodesk Revit (BIM)	Basic
	Adobe Premiere	Advance
	Microsoft Office	Advance
	NVivo 12 Pro	Advance
	EDGE Liferay	Basic Advance

Trondheim, 01.01.2026



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