

Muhammad Shulhan Jihadi -

Nationality: Indonesian | **Phone number:** (+62) 8982909751 (Mobile) | **Email address:** mail.shulhan@gmail.com |

LinkedIn: <https://www.linkedin.com/in/muhammad-shulhan-jihadi-809603209/> |

Address: Gambiran, Sidomoyo, Godean, Sleman, 55564, Sleman, Indonesia (Home)

● ABOUT ME

A recent graduate of oceanography that have a combination of technical skills and experience leading teams, and handling projects. Creative, analytical, and proactive.

● EDUCATION AND TRAINING

14/08/2019 – 09/06/2023 Semarang, Indonesia

BACHELOR OF SCIENCE Diponegoro University

Specialized in marine ecological modelling using diverse remote sensing and GIS products, namely:

- Sentinel 1 & 2, Landsat, MODIS,
- ArcGIS, QGIS, Google Earth Engine
- Python, R, Julia
- Maxent, MOLUSCE, Omniscape, STSM
- Wind and ocean current visualization

Website <https://undip.ac.id/> | **Field of study** Oceanography | **Final grade** 3.58 (Cum laude) |

Thesis Modelling of Pygmy Blue Whale (*Balaenoptera musculus brevicauda*) Migration Corridor in Savu and Banda Sea Using Circuit Theory

Link <https://eprints2.undip.ac.id/id/eprint/20057>

12/08/2021 – 19/08/2021 Indonesia

SPECIES DISTRIBUTION MODELING WITH REMOTE SENSING NASA's ARSET

Website <https://appliedsciences.nasa.gov/>

19/01/2021 – 02/02/2021 Indonesia

HYPERSPECTRAL DATA FOR LAND AND COASTAL SYSTEMS NASA's ARSET

06/02/2021 – 20/03/2021 Indonesia

CARTOGRAPHY ESRI

Website [esri.com](https://www.esri.com)

Link <https://www.esri.com/training/TrainingRecord/Certificate/Shulhan/60123a3e91718a6a0d099a23/-420>

28/10/2021 – 09/12/2021 Indonesia

SPATIAL DATA SCIENCE: THE NEW FRONTIER IN ANALYTICS ESRI

Link <https://www.esri.com/training/TrainingRecord/Certificate/Shulhan/613935ea151e756010465183/-420>

● WORK EXPERIENCE

20/05/2023 – CURRENT Semarang, Indonesia

RESEARCH ASSISTANT UNIVERSITAS DIPONEGORO

- Assisting to conduct research project under several lecturer, mainly Prof. Dr. Ir. Muhammad Zainuri., DEA and Dr. Kunarso ST., M.Si, mainly focused on environmental, coastal oceanography, biological oceanography, conservation, and fisheries along the North Java Coast (Pekalongan, Jepara, Pemalang, Kendal, Batang)
- Staying updated with the latest developments and trends in the field through continuous learning and professional development.
- Assisting in the organization and management of research materials, equipment, and resources.

- Assisting with data collection, analysis, and interpretation, contributing to the advancement of scientific knowledge in the field.
- Assisting in writing proposal, budgeting, and team management

01/07/2024 – 31/07/2024 Semarang, Indonesia

HYDROGRAPHIC SURVEYOR PT FIFAN JAYA MAKMUR, PT SURVEYOR INDONESIA

- Conducting Hydrographic survey such as bathymetric survey, seafloor & sub-bottom profiling, and current measurement in West Manggarai and Maumere, East Nusa Tenggara
- Operating marine instrument such as Marine GPS Hemisphere 330, Odom Hydrotrac II, and Current Meter Valeport 106 while also assisting to use Side-Scan Sonar and Sub-bottom profiler
- Using software such as Hypack, Pocket Max, and Valeport Data Logger

13/07/2023 – 30/09/2023 Semarang, Indonesia

GIS TECHNICIAN PEATLAND AND MANGROVE RESTORATION AGENCY OF REPUBLIC OF INDONESIA

- Processing Sentinel-2 Image using Google Earth Engine and ArcGIS
- Delineating mangrove forest
- Providing guidance and directing the junior technicians

20/08/2021 – 30/11/2021 Semarang, Indonesia

TEACHING ASSISTANT UNIVERSITAS DIPONEGORO

- Assist in teaching technical and practical skill in several subject: Remote Sensing, GIS, Coastal Multihazard, and Disaster Mitigation
- Coordinated a team of 10 assistants, overseeing the planning and execution of practicum sessions for younger students (100+) across three different departments.
- Developed tailored curriculum and lesson plans, aligning them with the specific learning objectives and needs of each practicum. Ensured the delivery of engaging and informative sessions that catered to students' skill levels and interests.
- Conducted teaching sessions, providing hands-on guidance and mentoring to students. Explained complex concepts in a clear and concise manner, fostering a supportive learning environment.

20/01/2022 – 20/12/2022 Semarang, Indonesia

PRESIDENT REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM TECHNOLOGY RESEARCH (REGISTER) UNDIP

- Led and coordinated a student research club comprising 45 members, fostering a collaborative and productive team environment.
- Developed a comprehensive learning curriculum for the organization, incorporating the latest advancements in remote sensing and geographic information technology. The curriculum included theoretical and practical components to enhance members' skills and knowledge.
- Supervised multiple research projects, ensuring their successful execution and timely completion. Provided guidance and support to members, assisting them in overcoming challenges and achieving project goals.
- Directed research and workshop seminars, creating opportunities for members to present sharpen their softskills
- Conducted regular meetings with team members to discuss project progress, address issues, and provide constructive feedback. Evaluated individual and team performance, recognizing achievements and identifying areas for improvement.

Business or Sector Education

20/03/2021 – 30/12/2021 Semarang, Indonesia

RESEARCH AND DEVELOPMENT STAFF REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM TECHNOLOGY RESEARCH (REGISTER) UNDIP

- Analyzed the internal condition of the organization, assessing its strengths, weaknesses, and areas for improvement. Conducted research and gathered feedback from members to identify potential enhancement in operational efficiency and effectiveness.
- Organized and conducted research webinars, sharing insights and knowledge on remote sensing and geographic information systems with members and the broader research community.
- Actively participated in brainstorming sessions, collaborating with team members to generate innovative ideas and solutions for ongoing research projects and future initiatives.
- Taught practical skills related to remote sensing and geographic information systems to fellow members, providing training on data acquisition, analysis, and visualization techniques.

DIGITAL SKILLS

ArcGIS Desktop/Pro (advanced) | Google Earth Engine | Rstudio (intermediate) | QGIS - Intermediate

LANGUAGE SKILLS

Mother tongue(s): INDONESIA | JAVANESE

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user