



THE Impact Rankings Questionnaire

University : Universitas Indonesia
 Country : Indonesia
 Web Address : www.ui.ac.id

[14] SDG14: Life below water

[14.3] Supporting aquatic ecosystem through action

[14.3.4] Technologies towards aquatic ecosystem damage prevention (direct work)

Research program	
Research Grant	Research Centre
Internal External	RCC TREC CSID
https://research.ui.ac.id/research/en/	https://rccc.ui.ac.id/ https://trec.eng.ui.ac.id/ https://csid.eng.ui.ac.id/

Description :

Universitas Indonesia works directly through research on technologies or practices that enable the marine industry to minimise or prevent damage to aquatic ecosystems. For example, UI commits to contribute to the global endeavors to conserve the underwater ecosystem. Life below water is a topic that has received attention from UI scholars. In 2019, there are at least 202 research programs conducted addressing this issue (see the table on page 2). The studies were funded through either internal funding, government research grant, or corporations' CSR funding. Research activities in SDG 14 are also to SDG 6 (Clean Water and Sanitation), SDG 11 (Sustainable Cities and Communities), and SDG 13 (Climate Action).

Wind Energy Utilization as Renewable Resource in Bungin Village and the Impact toward Environment

The project was conducted by RCCC UI, Tropical Renewable Energy Center (TREC) Faculty of Technic, Universitas Indonesia, Lembaga Pemberdayaan Umat (LPU) An Naba, and Potenza Putra Makara, Ltd. with the funding from Indonesia Climate Change Trust Fund (ICCTF). The project goals are to develop alternative energy on electricity utilizing wind as a new energy source with an integrated desalination process to produce drinkable water from seawater, and also to develop small local businesses on their specialty products along with restoration of mangrove at the coastline.

Below are examples of research projects related to life below water:

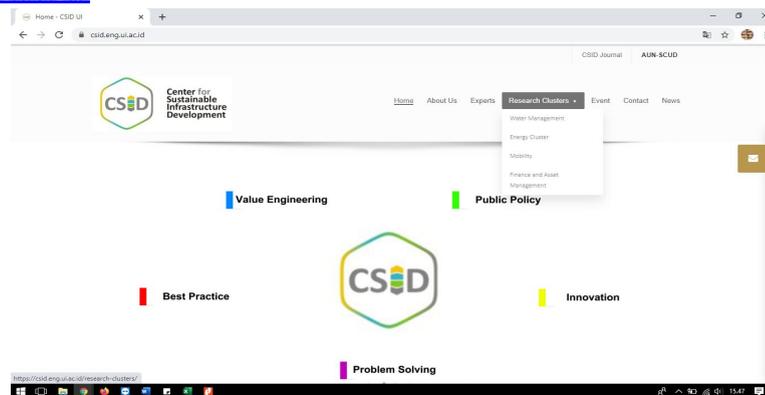
1. Integration of the Sea Transportation Network in the PSO-Subsidized Goods Distribution System
2. Improving the Safety of the National Shipping Fleet as Support for the Sea Highway Program

NO	Name	Project Title	SDG Focus
1	Didik Pradjoko	Ecological Change, Cultural Revitalization, Adaptation, and Socio-Economic Dynamics in the Thousand Islands, Yogyakarta Special Region, Citarum River Basin, Bandung Regency, and Parepare	Life Below Water
2	Astari Dwiranti	Chromosome Analysis to Determine Race Diversity of <i>Cyprinus carpio</i> in Java	Life Below Water
3	Dewi Susiloningtyas	Sustainable Fishery Resource Management Model in the Coastal Zone of Java Island Based on Spatial Analysis (Case of Vaname Shrimp, Squid and Swanggi Fish)	Life Below Water
4	Yasman	Detection of Toxic Naphthalene Compounds (Polycyclic Aromatic Hydrocarbons) in Several Invertebrate Animals in the Thousand Islands, Jakarta	Life Below Water
5	Noverita Dian Takarina	Sustainable Marine Ecotourism Development Model Based on Geographical Information Systems in Sukakarta, Cilamaya Wetan, Karawang	Life Below Water
6	Komarudin	Designing Cargo Ship Shipping Routes in Order to Support the Development of the Nusantara Sea Highway	Life Below Water
7	Asep Handaya Saputra	The Utilization of Natural Gas for Power Generator, Seawater Desalination, and Transportation	Life Below Water
8	Setijo Bismo	Desalination of Seawater with Low Pressure Cascade Reverse Osmosis Technology for Sumur Residents Affected by the Sunda Strait Tsunami	Life Below Water

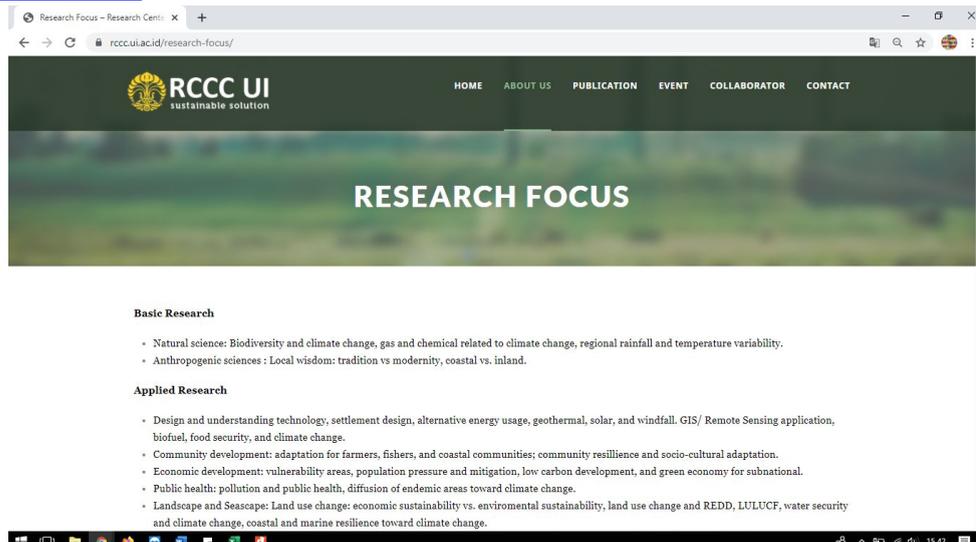
9	Sunaryo	The Improvement of the Safety of the National Shipping Fleet as Support for the Sea Highway Program	Life Below Water
10	Engkos Achmad Kosasih	Recirculation of Steam Turbine Condenser Cooling Water to Solve Environmental Problems and Produce Aquadest from Seawater	Life Below Water
11	Sigit Pranowo Hadiwardoyo	The Integration of Marine Transportation Networks in the PSO-Subsidized Goods Distribution System	Life Below Water

Evidence Link :

1. <https://trec.eng.ui.ac.id/>
2. <https://csid.eng.ui.ac.id/>

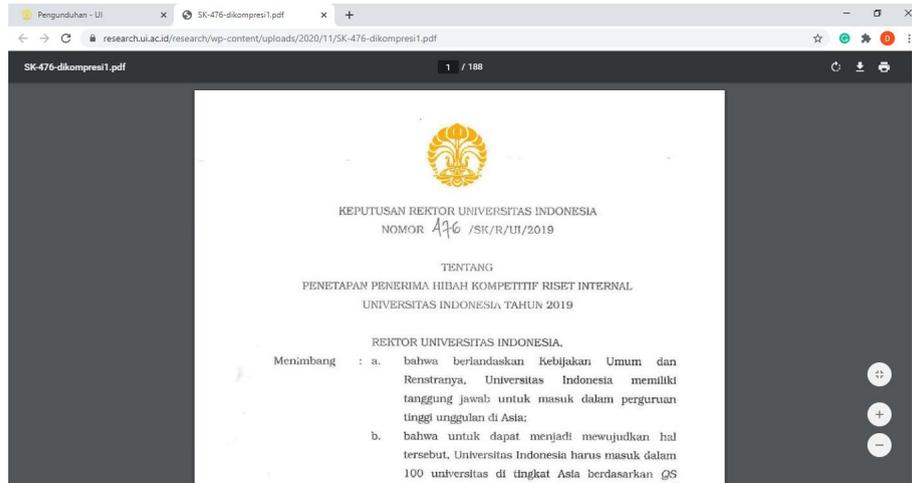


3. <https://research.ui.ac.id/research/en/>
4. <https://rccc.ui.ac.id/>





5. <https://ui.ac.id>
6. <https://research.ui.ac.id/research/wp-content/uploads/2020/11/SK-476-dikompresi1.pdf>



7. <https://research.ui.ac.id/research/wp-content/uploads/2020/11/List-of-UIs-research-projects-related-to-Sustainable-Development-Goals.pdf>