

Environmental Insight.  
Sustainable Impact



**EcoNadi Ventures Sdn. Bhd.**

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*Environmental Insight. Sustainable Impact*

## Company Profile

### Let's Work Together

For project enquiries, collaborations, or technical consultation, please contact:

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# Driving Sustainable Solutions.

EcoNadi Ventures Sdn. Bhd. is an environmental and sustainability consultancy delivering integrated, science-based solutions that support responsible development, regulatory compliance, and long-term environmental resilience.

The firm provides multidisciplinary expertise across **environmental planning, impact assessment, water resources, coastal and marine systems, and nature-based solutions**—supporting projects from early feasibility through approval, implementation, and operational monitoring. We are officially registered with the Ministry of Finance Malaysia (MOF) under Code 330207 for environmental research and water resources consultancy services.

Driven by technical excellence, innovation, and sustainability principles, EcoNadi partners with government agencies, utilities, and private developers to achieve environmentally responsible and climate-resilient outcomes.

## Vision

To be a **trusted environmental and sustainability consultancy** that advances resilient development through science-based solutions, integrated water and environmental management, and nature-positive practices.



## Mission

- 01 To deliver high-quality environmental, hydrological, coastal, and sustainability consultancy services grounded in sound science, technical excellence, and regulatory compliance.
- 02 To support responsible development by integrating environmental impact assessment, water resources management, and nature-based solutions across project lifecycles.
- 03 To provide reliable environmental monitoring, data analysis, and decision-support tools that enable informed and sustainable outcomes.
- 04 To promote ecosystem-based approaches and natural landscape solutions that enhance climate resilience, biodiversity, and long-term environmental performance.
- 05 To foster interdisciplinary collaboration and continuous innovation in addressing complex environmental and water-related challenges.

# Meet The Directors



## Ir. Dr. Nur Shazwani Muhammad

Ir. Dr. Nur Shazwani Muhammad, MIEM, P.Eng, Ph.D is a Professional Environmental Engineer with extensive experience in environmental and water resources consultancy, supported by strong academic and research credentials. She holds a Ph.D. in Civil Engineering from Colorado State University (USA), a Master's degree in Water Engineering from Cardiff University (UK), and a Bachelor's degree in Environmental Engineering from Universiti Malaya.

Her expertise covers hydrology and hydraulic modelling, environmental impact assessment, integrated river basin management, and water resources planning. She has led and contributed to more than 25 consultancy and research projects exceeding RM5 million in value, serving major government agencies, utilities, and private sector clients. Her work emphasizes science-based, sustainable, and resilient environmental solutions aligned with EcoNadi Ventures' technical and sustainability-driven approach.

## Ku Noor Asma Husna Binti Ku Azizi

Ku Noor Asma Husna Binti Ku Azizi, CEP, CESSWI is an environmental and sustainability professional with extensive experience in Environmental Impact Assessment (EIA), Environmental Management Planning (EMP), and sustainability consultancy across infrastructure, renewable energy, industrial, and coastal development sectors.

She holds a Master's Degree in Environmental Engineering and a Bachelor's Degree in Environmental Science and Technology from Universiti Putra Malaysia (UPM). She is a registered Environmental Consultant with the Department of Environment Malaysia, a Certified Sustainability (ESG) Practitioner, and a Certified Erosion, Sediment and Stormwater Inspector (CESSWI).

Her professional portfolio includes major projects undertaken for government agencies, government-linked companies (GLCs), and private developers. She is recognized for delivering science-based, regulatory-compliant, and sustainability-driven environmental solutions that align project objectives with statutory requirements and long-term environmental stewardship.

With strong expertise in regulatory navigation, environmental risk management, and stakeholder engagement, she provides strategic leadership in advancing responsible and sustainable development practices.



## Mohd Hafiz Bin Muawiah

Mohd Hafiz bin Muawiah is a coastal and civil engineering professional with over 14 years of experience in coastal engineering, hydraulic analysis, infrastructure works, and advanced surveying technologies. He began his career in 2009 with river improvement and wave modelling studies, later moving into project leadership roles managing jetty construction, dredging, and coastal reclamation projects for clients such as DRB-Hicom and the Department of Irrigation and Drainage (JPS).

Since 2016, he has contributed to nationally significant programmes including the National Hydrological Station Programme (RHN), and later co-founded iCORE Group, focusing on sustainable coastal and marine consultancy supported by drone-based geospatial surveying as a certified Civil Aviation Authority of Malaysia (CAAM) RCOC-B drone pilot.



## LAr. Shahrul Radzi bin Mohd Yusof

LAr. Shahrul Radzi bin Mohd Yusof is a registered Landscape Architect and environmental design professional with extensive experience in landscape architecture, urban design, and sustainable master planning across Malaysia. He is also a Director of Perunding Hijaureka Sdn. Bhd., where he leads multidisciplinary landscape consultancy services covering public parks, residential and commercial developments, tourism landscapes, and environmental rehabilitation projects.

His work emphasises context-responsive design, ecological sensitivity, and the integration of functional green infrastructure to enhance both built and natural environments. Under his leadership, the firm has delivered award-recognised landscape planning initiatives and continues to contribute to sustainable urban and regional development. He remains actively engaged in advancing professional landscape practice and promoting environmentally responsible design solutions aligned with long-term community and environmental resilience.



# Our Services

## 01 Water Resources and Hydraulics

Provides hydrological and hydraulic assessments, integrated river basin management, flood risk modelling and analysis, drainage planning, and water-related studies.

## 02 Environmental Management and Impact Assessment

Undertakes Environmental Impact Assessments (EIA), Environmental Management Plans (EMP), monitoring programmes, and regulatory advisory services.

## 03 Coastal and Marine Environment

Specialises in coastal processes, marine environmental assessments, shoreline management, and marine monitoring.

## 04 Sustainability, Natural Landscape and Nature-Based Solutions

Focuses on sustainable design strategies, ecosystem-based approaches, green infrastructure, and landscape solutions that enhance environmental performance and climate resilience.



# Project Highlights.



- Coastal Protection
- Shoreline Management
- Marine Studies

- EIA
- EMP
- Environmental Assessment
- Community-based Environmental Programme



- Major Flood Mitigation
- Drainage Master Planning
- Dam Break Modelling

- National Hydrological Studies
- River Basin Management Studies



- Sustainability Planning
- Biodiversity Planning
- Nature-based Landscape Planning

## Environmental Management *and* Impact Assessment



- + Environmental Impact Assessment for Nenggiri Hydro Electric Power Plant
- + Environmental Impact Assessment for the Proposed Putrajaya – Bangi Expressway (PBE)
- + Environmental Impact Assessment for Petaling Jaya Dispersal Link (PJD LINK)
- + Environmental Management Plan for the Proposed Development of Al-Bukhary Centre, Jalan Langgar, Mukim Langgar, Alor Setar, Kedah
- + Environmental Management Plan for Beach Nourishment and Coastal Protection Works (Package 6) for Navigation Requirements, Tg. Rhu, Langkawi
- + Environmental Impact Assessment for the Proposed Aluminium Recycling Plant, Kuala Langat, Selangor
- + Preliminary Environmental Report for Siting of Melalap Oil Mill, Tenom, Sabah
- + Environmental Assessment for the Proposed Kg. Kuala Betis to Gua Musang Road
- + Enhancing Community Participation Through UKM Zero Waste Campus Project
- + iG-R&R Transformasi Rehat & Rawat Lestari – Tuaian Air Hujan
- + Program Data Alam Sekitar di Sepanjang Selat Johor, Sekitar Batuan Tengah dan Tubir Selatan
- + Kajian Opsyen Pelepasan Efluen Terawat di Projek Loji Rawatan Kumbahan Serantau di Papan, Daerah Kinta Barat
- + Kajian Pembangunan Fasiliti Cuci Kenderaan Awam Secara Layan Diri Menggunakan Air Efluen Terawat Dan Sumber Tenaga Alternatif Di Loji Rawatan Kumbahan Pantai 2

## Water Resources *and* Hydraulics

- + Two-Dimensional Modelling Of Cofferdam Break For Nenggiri Hydroelectric Project, Kelantan
- + Rancangan Tebatan Banjir Di Sungai Jempul & Sungai Yeh, Sungai Luit & Sungai Kertam dan Sungai Maran di Daerah Maran, Pahang Darul Makmur
- + Revise and Update Hydrological Procedure No. 1: Estimation of Design Rainstorm in Peninsular Malaysia & Hydrological Procedure No. 26: Estimation of Design Rainstorm in Sabah and Sarawak for Program Pembangunan Prosedur Hidrologi dan Sumber Air
- + Integrated River Basin Management (IRBM) Plan for Batang Rajang Basin, Sarawak
- + Rekabentuk Terperinci Rancangan Tebatan Banjir Sungai Batang Labu, Daerah Seremban, Negeri Sembilan
- + Rancangan Tebatan Banjir Sungai Klang di Seksyen 25 Shah Alam, Daerah Klang, Selangor
- + Effective Bund Repair and Other Associated Works at West Estate, Pulau Carey, Selangor
- + Kajian Pelan Induk Saliran Mesra Alam Kuala Krai dan Machang, Kelantan Projek Pemantauan Stesen dan Data Hidrologi di Putrajaya
- + Rekabentuk Terperinci Bagi Projek Tebatan Banjir Di Sungai Binjai, Daerah Petaling, Selangor Darul Ehsan
- + Integrated River Basin Management (IRBM) Plan for Sungai Mercung and Sungai Bebar Basin, Pahang
- + Perkhidmatan Perunding Untuk Kajian Pengurusan Sumber Air Pertanian di IADA Pulau Pinang, Pulau Pinang
- + Kajian Dasar Air Negara dan Penyediaan Draf Dasar Air Negara 20XX
- + Pembangunan Lembangan Sungai Bersepadu Sungai Kuantan - Living River Sungai Galing, Kuantan, Pahang
- + Understanding Hydrological Flow Paths of Vale Malaysia Mineral Sdn. Bhd. Catchment in Manjung, Perak
- + Quantifying Watershed Resilience under hydrological extremes and anticipated climate change scenarios
- + Rekabentuk Terperinci bagi Projek Pemuliharaan Muara Sungai Kesang, Daerah Tangkak, Johor
- + Water Expert Development Program Module for Pengurusan Air Selangor
- + Minimising Underground Metered Areas (DMAs) Leakage in Water Supply Distribution Systems Through Optimal Clustering Analysis of District
- + Integrated River Basin Management for Sungai Kedah
- + Derivation of low flow curves with drought severity index
- + Tingkahlaku Fluorida Di Dalam Air Minuman Terawat Dari Loji Rawatan Air
- + Perkhidmatan Pemantauan Hidrologi, Pengurusan Pengkalan Data dan Keseimbangan Air Tasik, Wilayah Persekutuan Putrajaya
- + Hydraulic Model for the Proposed Lamongan Water Supply Scheme, Indonesia

- + Integrated River Basin Management for Sungai Skudai, Johor
- + Integrated River Basin Management for Sungai Klang
- + Cadangan Menaiktaraf parit hujan lebat di belakang rumah Jalan SS 1/22A, Petaling Jaya
- + Cadangan Tebatan Banjir di Jalan SS 12/14, Seksyen 12, Petaling Jaya
- + Cadangan Menaiktaraf longkang serta lain-lain kerja berkaitan berkaitan di Jalan SS 20/11, SS 20, Petaling Jaya
- + Analysis and Simulation of Drinking Water Quality in the Supply Systems
- + Return Period and Risk of Drought in Peninsular Malaysia
- + Probability Structure and Return Period Estimation of Monsoon Rainfall Events in Malaysia

## Coastal *and* Marine Environment

- + Feasibility Studies for the Proposed Fish Landing Complex and Deepening of Sg. Setiu, Terengganu
- + Perkhidmatan Perunding Rekabentuk Bagi Projek Pemuliharaan Pantai Merdeka Hingga Ke Bukit Penjara, Daerah Kuala Muda, Kedah Darul Aman

## Sustainability, Natural Landscape *and* Nature-Based Solutions

- + Kajian Penilaian Kesesuaian Cadangan Pengurusan dan Pembangunan Santuari Gajah Perak (PES)
- + Analisa Kos Faedah (Cfs2:SI7 Hutan Simpan Angsi – Hutan Simpan Berembun, Negeri Sembilan)
- + Kajian Analisa Kos Faedah (Cost- Benefit Analysis) Bagi Sistem Guna Tanah Di Kawasan Tanah Gambut Malaysia
- + Pelan Induk Landskap Kuala Pilah

# Why Choose EcoNadi Ventures

01

Multidisciplinary environmental *and* water expertise

02

Strong regulatory *and* EIA compliance experience

03

Science-based modelling *and* analytical capability

04

Proven experience with government *and* GLC projects

05

Commitment to sustainability *and* climate resilience

## Our Clients

