



Wetlands
INTERNATIONAL

ANNUAL REPORT 2024

CONTENTS

- I. Message From the Director
- II. Our Work Programme and Achievements
- III. Our Team
- IV. Our Financial Summary

Our mission is to inspire and mobilise society to safeguard and restore wetlands for people and nature.

<https://malaysia.wetlands.org>

I. Message From the Chairman of Council

In 2024 we reinforced our commitment to wetland conservation, climate resilience, and community engagement through strategic collaborations and impactful initiatives.

Our Building with Nature (BwN) approach remained central to our restoration efforts, notably through the Tanjung Kepah Mangrove Action Project. The installation of permeable wave screens to mitigate coastal erosion set the stage for future enrichment planting and community engagement to ensure long-term sustainability.

We also prioritized environmental awareness through education and outreach programs such as the Wetlands Scavenger Hunt, Mangrove Ecosystem Awareness Program, and Wanderlab Series. These initiatives empowered youth and local communities to recognize the importance of wetlands in climate adaptation.

Urban wetland conservation took a significant step forward with the Urban Biodiversity Restoration & Stormwater Management Framework Plan in Bandar Bukit Raja. Our biodiversity surveys and stakeholder engagements have laid the groundwork for sustainable urban wetland management.

Our reforestation efforts saw the successful raising and donation of 2,558 saplings to organizations across Brunei, reinforcing our role in carbon mitigation and forest restoration in alignment with the Brunei National Climate Change Policy.

At the global and regional level, we participated in the 10th Asian Wetland Symposium and the EAAF Strategy Development Regional Workshop. These efforts advanced wetland-based solutions and strengthened partnerships aligned with global biodiversity and sustainability goals.

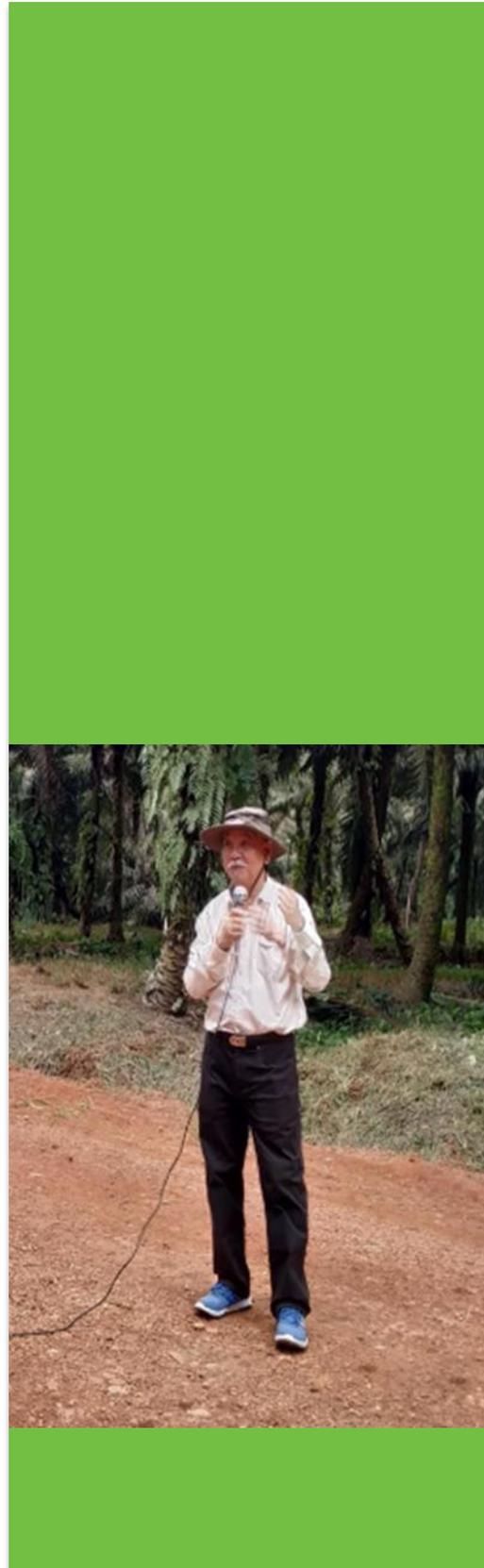
I. Message From the Chairman of Council

Capacity-building remains a priority, with initiatives such as the Wetlands International Retreat, Community of Practice Workshop, and Nature-based Solutions Workshop. These programs strengthened internal expertise and cross-office collaboration to enhance conservation strategies.

Looking ahead, we remain committed to expanding our impact, strengthening collaborations, and driving innovative conservation solutions. Wetlands are vital ecosystems, and our work is more critical than ever in addressing climate change and biodiversity loss.

Let me end by thanking our partners, stakeholders, and dedicated team members for their contributions throughout 2024. Together, let us continue safeguarding and restoring wetlands for people and nature.

Datuk Paduka Ir Hj Keizrul bin Abdullah
Chairman of Council



II. Our Programmes and Activities

Wetlands International Retreat

The Retreat, held from 17th to 18th August 2024 at Bentong, Pahang, brought together colleagues from our Malaysia and Brunei offices for a two-day event focused on strategic planning. In a relaxed and comfortable environment, the brainstorming sessions aimed at fostering collaboration, aligning organizational goals, and enhancing cross-office communication. The retreat provided a unique opportunity for staff to connect outside of the office, strengthen relationships, and develop actionable strategies for the year ahead.



II. Our Programmes and Activities

Wetlands Scavenger Hunt

On 24th February 2024, we celebrated World Wetlands Day at the Putrajaya Wetland, where we supported a Wetlands Scavenger Hunt organised by the Kuala Lumpur Girl Guides (KLG). This engaging activity targeted Girl Guides aged 13 to 17, and through the scavenger hunt, participants learned about the importance of wetlands. Wetlands International played a key role in educating the participants on the different types of wetlands and their essential roles in biodiversity, water management, and climate change mitigation, fostering environmental awareness in the younger generation.



II. Our Programmes and Activities

Seminar Kebangsaan Pengurusan Mampan Tasik dan Wetland

The Seminar Kebangsaan Pengurusan Mampan Tasik dan Wetland, held from 7th to 9th February 2024 at the Kompleks Perbadanan Putrajaya, was organized by Perbadanan Putrajaya in conjunction with World Wetlands Day 2024. With the aim of promoting sustainable management practices for lakes and wetlands in Malaysia, this seminar brought together environmental experts, local authorities, and stakeholders to discuss the challenges and solutions for the conservation and sustainable management of these vital ecosystems. Wetlands International was invited as one of the speakers to deliver a topic “Wise Use of Urban Wetlands – Bringing Nature Back”, emphasized the importance of integrating environmental, social, and economic factors in the development of constructed wetlands.



II. Our Programmes and Activities

Mangrove Replanting Program

Throughout 2024, we successfully organized four mangrove planting programs, with a total of 320 participants from St. Joseph Institution International Malaysia, Cargill Cares Malaysia, ExxonMobil Malaysia Inc., and QL Resources Berhad. The program resulted in the planting of 4,250 mangrove seedlings in Selangor, contributing to the rehabilitation of 0.5 hectares of mangrove ecosystem. This initiative not only involved school and corporates, but also aimed at restoring vital coastal habitats. Continuous monitoring of the planted seedlings will be performed by Wetlands International to ensure their growth and long-term success, supporting the restoration efforts and enhancing the resilience of the coastal ecosystem.



II. Our Programmes and Activities

Urban Biodiversity Restoration & Stormwater Management Framework Plan

As the appointed Specialist Consultant for urban wetlands, Wetlands International conducted a series of biodiversity surveys around Bandar Bukit Raja 2 Town Park. The surveys focused on key species and ecosystems, including aquatic plants, dragonflies, damselflies, fish, and frogs, to assess the health and diversity of urban wetland environments. The data gathered will support the development of strategies for restoring biodiversity in urban areas while addressing challenges related to stormwater management. The framework aims to create sustainable urban wetland systems that benefit both the environment and local residents.



II. Our Programmes and Activities

Environmental Awareness

The Building with Nature (BwN) Tanjung Kepah Mangrove Action Project is a community-based conservation and restoration initiative aimed at restoring the eroded coastline of Tanjung Kepah, Perak. On 4th May 2024, a capacity-building workshop was organized for the local community, followed by a site visit to the Forest Research Institute of Malaysia (FRIM) research project at Sungai Haji Dorani. From October to November 2024, the installation of a permeable wave screen (Skrin Ombak Telap) was successfully completed by the appointed local contractor and the community. This structure is designed to reduce wave energy and facilitate sediment accumulation, creating an ideal environment for mangrove rehabilitation. The next steps of the project include enrichment planting, shellfish activities, and further awareness programs aimed at promoting long-term environmental stewardship.



II. Our Programmes and Activities

Seminar Konservasi Ekosistem Hutan Paya Laut 2024

Held from 25th to 26th July 2024 in Kuching, Sarawak, the Seminar Konservasi Ekosistem Hutan Paya Laut 2024 was organized by the Forestry Department of Peninsular Malaysia, in conjunction with the International Day for the Conservation of the Mangrove Ecosystem. The seminar brought together researchers, environmental experts from governments and NGOs, to share knowledge and experiences in managing mangrove forests. The seminar focused on the latest challenges and innovative solutions to safeguard these vital habitats for future generations. A significant highlight of the seminar was the release of the latest edition of *Status of Mangroves in Malaysia (2024)*, an update to the 2020 publication by the Forest Research Institute Malaysia (FRIM), providing valuable insights into the current state and conservation needs of Malaysia's mangrove ecosystems.



II. Our Programmes and Activities

Mangrove Ecosystem Awareness Program

In 2024, two sessions of the Mangrove Ecosystem Awareness Program (MEAP) were held in partnership with Kuala Lumpur Girl Guides, SMK Taman Desa, and SK Brickfields (1). The sessions, organized in conjunction with the International Day for the Conservation of the Mangrove Ecosystem, engaged a total of 170 students from primary and secondary schools in interactive activities like the Mangrove Talk, Mangrove Trivia, and Mangrove Model Tank. The program highlighted three key messages: Reduce Pollution, Learn & Educate, and Volunteer & Participate. The goal was to empower students with the understanding that their simple actions can make a significant impact on the environment, encouraging them to take an active role in protecting mangrove ecosystems.



II. Our Programmes and Activities

Nature-based Solutions (NbS): From Knowledge to Action Workshop

The "Nature-based Solutions (NbS): From Knowledge to Action Workshop" was held from 14th to 16th October 2024 as a continuation of the first NbS workshop conducted in 2023. Organized by WWF Malaysia and supported by various organizations, including Wetlands International, the workshop provided a platform for knowledge sharing and collaboration. It featured group discussions, presentations, and a site visit to a NbS project in Hulu Kinta, Perak, where participants observed real-world applications of nature-based solutions. The workshop was an essential step in advancing understanding of NbS and fostering partnerships to integrate nature-based approaches into climate action, ecosystem restoration, and sustainable development.



II. Our Programmes and Activities

10th Asian Wetland Symposium

The 10th Asian Wetlands Symposium, held from 25th to 28th November 2024 in Manila, Philippines, was organized by the Society for the Conservation of Philippine Wetlands Inc. (SCPW), Ramsar Regional Center – East Asia (RRC-EA), Ramsar Center Japan (RCJ), in collaboration with Wetlands International – Japan and the Japan Wetland Society. With the theme "Wetland-based Solutions," the symposium focused on mainstreaming wetland conservation and wise use across all sectors of society, aligning with the Ramsar Convention on Wetlands and the global biodiversity targets. Wetlands International Malaysia presented a current ongoing project titled "Building with Nature Approach in Mangrove Ecosystem Restoration for Coastal Resilience," showcasing the organization's work in mangrove restoration and its role in enhancing coastal resilience as part of global conservation efforts.



II. Our Programmes and Activities

The Wanderlab Series Program

On 7th December 2024, Wetlands International supported the organization of *The Role of Wetlands in Climate Adaptation* event, held at the Wetland Pavilion in Bandar Bukit Raja, organized by Knowledge New Old Twists (KNOTs). The event aimed to raise awareness about the crucial role urban wetlands play in climate adaptation. For children, engaging activities such as storytelling about urban wetlands, a wetland tour, and word exploration were conducted to foster early environmental education. Adults participated in a wetlands talk and explored free & easy information boards, gaining insights into the vital ecosystem services provided by wetlands in the context of climate resilience. The event was a valuable opportunity to educate the community on the importance of preserving wetlands for future climate adaptation strategies.



II. Our Programmes and Activities

Enhancing Municipal Preparedness for Flood Hazards: A Practical Approach

Held from 12th to 13th December 2024 in Kuala Lumpur, *Enhancing Municipal Preparedness for Flood Hazards: A Practical Approach* was organized by WWF Malaysia with the aim of engaging local authorities from Selangor and the Federal Territory of Kuala Lumpur, as well as relevant government agencies and organizations, in flood preparedness and disaster management planning. Wetlands International was invited to deliver a talk on the topic “Wise Use of Wetlands to Enhance Urban Adaptation and Flood Resilience,” highlighting the critical role wetlands play in reducing flood risks and enhancing urban resilience. In addition to the talks, participants also underwent a Town Watching Training Module, where they had the opportunity to exercise their learning in a practical setting at Cheras, helping to prepare local communities for future flood events.



II. Our Programmes and Activities

Interview with Guang Ming Daily

Wetlands International has been invited by journalist of environment column at Guang Ming daily for an interview session. The interview aimed to show case Wetlands International Malaysia's role in wetlands conservation, our ongoing projects, and their impact on local communities. Took the opportunity to highlight TKMAP and the BwN approach in coastal protection. The articles were published in Guang Ming Daily on April 17 and 18, 2024. The interview was conducted in Mandarin though.



II. Our Programmes and Activities

Interview with Guang Ming Daily

光明副刊

每一天的好朋友 光明日報

濕地保育 (上)

17 · 4 · 2024 (星期三) B7

濕地是地球上一种特殊的存在

当地的环境而言，最直接的功能在于维护生态如过滤及净水等。湿地有各种类型，有陆地上的沼泽、沼泽林、泥炭地；沿海的河口、河流流域、红树林；人造湿地的水稻田、盐田、人造湖等。这些地区在不同的季节或时段可能会经历于燥和洪水交替。

马来西亚在国家自主贡献 (Nationally Determined Contribution) 上，做出了要于2040年维持并恢复我国50%的森林的目标，包括红树林和沼泽树林在内，并放限于2030年做到减少45% (相对于2005年水平) 的温室气体排放 (二氧化碳是其中之一)。

湿地是公认的重要的自然碳汇生态系统，各个湿地保育在国家自主贡献中扮演着重要角色。

常发生不法使用土地事件

“与其它国家相比，我国在气候变化对湿地的影响和适应性措施申报还是比较缓慢的。目前，我国的国家适应计划还在修订当中，至于碳汇申报，我国只有针对气候变化所造成的事实如海平面上升、小型海啸，有其申报措施，当中包括增加海堤建设、修建防浪堤还有预警系统等。” 格曼说。

格曼国家物理地理委员会 (MAPPN) 提出的建议，联邦及州政府应该加大对湿地的保护，沼泽树林和泥炭沼泽地，都纳入气候敏感区域并避免在此区域进行任何不可持续发展及开发活动。

不过，还是有些不使用土地事件不断发生。“通常是在当地居民申版后，政府执法人员才会阻止这些非法活动并提醒相关人士。” 格曼说，监督和执法工作应该由当地居民担任。

格曼马来西亚自然资源、环境及气候变化部 (Ministry of Natural Resources, Environment and Climate Change, NRECC) 的森林是由地保署部门负责湿地保护工作。

此外，基于我国宪法管制，州政府拥有天然资源和土地使用的管理自主权，所以州政府也负责湿地保育的责任，大多数权都落在林业部门 (Forestry Department)。

提供重要生态保育

地球之肾

影响社经发展

“在马来西亚，最大的问题是人们对湿地的认识及了解不足，这并不只限于普罗大众，也包括决策者和政策制定者。” 土地使用的变化也是一个严峻的挑战。“我国大多数湿地都被转换为农业、城市发展或其它用途。此外，非法砍伐、非法土地使用和过度旅游对湿地生态系统也造成巨大威胁。当然，缺乏资金和专业人才来管理和进行保育工作也是问题之一。” 格曼说。

湿地生态能无益于社会、经济方面，都带来巨大影响。许多人不知道湿地是地球最大的天然过滤器，它有优秀的净化水质能力，所以有“地球之肾”美称。它在水文调节上有助于防洪、维持淡水资源和地下水位，如此国家才能有足够的水源供应。在国家经济上，湿地能确保渔业、农业，还有旅游及娱乐的可持续性发展。

地球最大天然过滤器

“在马来西亚，最大的问题是人们对湿地的认识及了解不足，这并不只限于普罗大众，也包括决策者和政策制定者。”

成多样性物种觅食整体地

湿地保育问题或多或少影响生态资源利用。比如，萤火虫观赏活动就影响了十八个萤火虫栖息地，都是靠红树林保育计划而得以维持。

湿地是许多受保护动物栖息地物种的栖息地，湿地是它们觅食、繁衍和栖息的场所。缺少植被或受人干扰的湿地，难以留住海洋生物，进而影响台岛居民的生态。

对候鸟来说，没了湿地会大大减低它们的存活率，因为缺少了提供体力的食物和栖息的地点。

恢复湿地生态 仰仗传统知识

对于湿地的监测和评估，格曼项目资金充足，格曼将与社区合作进行实地监测和收集数据，再以实时动态技术来分析这些数据，经过评估和分析后，再制定生态恢复计划。

“在国际湿地组织，我们秉承国际自然保护联盟 (International Union for Conservation of Nature) 建议的“基于自然的解决方案”来恢复湿地生态，这是近几年来备受世界各国家公认为最适当的生态恢复方法。” 格曼说，湿地的恢复其实非常仰仗本地传统知识，因为恢复工作在大程度上取决于当地居民对湿地生态系统的了解。当地传统知识、实践还有生态学知识和湿地的恢复计划。

大部分当地居民和渔民都有丰富的传统知识，他们只是缺少了现代生态分析技术来实践。

先实地调研 再拟定恢复方案

国际湿地组织向来自根本着手分析制定湿地生态系统的恢复。比如格曼正在霹霹州柔佛县的丹戎甲巴 (Tanjung Kephah) 进行着红树林系统恢复项目。项目团队会先实地调研，在确定是陆地的海蚀和海岸侵蚀性导致红树林的生态原因，才制定最适当的恢复方案。

“我们采取基于自然的解决方案 (Nature-based Solutions) 来设计沿海的恢复项目，整合合适的红树林生态条件来达到红树林生态系统的恢复。”

湿地生态保护和经济社会发展同等重要并是相互关联的。“须知，只有健康的湿地生态能支撑源源不绝地提供天然资源并创造经济条件。而湿地的长期保护也同时影响着可持续发展的经济实现带来的资金支持。” 格曼说。

支持保育领域等 私营领域等 支持保育活动

公众对于湿地保育项目持反对意见或不理解是常有的事，即使大部分人对不熟悉或不了解的事情都会持多疑虑、信任、参与、技能成熟性、赋权以及自主权对于推动湿地保育项目至关重要。

“所以早期的社区参与还有利益相关方的沟通是其中一个关键事项，借此降低公众的反对或不理解。” 格曼说。鼓励当地居民参与恢复生态的保育工作，目的就是为了让保育意识并传递更多知识。“许多非政府组织呼吁大学生参与湿地保育意识的宣传活动，当中包括多种物种植物种植以及湿地知识普及。”

世界各国早已认识到湿地的重要性，所以湿地保育和恢复工作正逐渐变成私营领域进行筹资以支持地方国家级的保育活动。我国许多私营领域都有能力提供资金于湿地保育，与此同时，私营领域还能减少其自身供应链内对环境的影响。

明日看湿地

红树林的退化，使得其生态功能一直在减少，只有通过各种方法增产，在恢复生态之前，必须先恢复红树林生态系统，以提高其生态功能。

湿地貝類養殖的主要目的是要改善丹絨甲巴 (Tanjung Kepah) 居民的生活, 並促進穩健的經濟發展。

紅樹林素有“海岸卫士、鸟类天堂、鱼虾粮仓”美誉, 当地人依靠紅樹林供養的鱼虾蟹貝作为收入和食物来源。然而, 随着紅樹林的退化, 天然漁獲逐年减少, 因此, 养殖法将有助于增加貝类的产量。此外, 海床貝类数量的增加也能作浅海堤坝作用, 减缓海岸线被侵蚀。

一岸健康的紅樹林生态系统, 能够支持可持续发展的貝类养殖。没有紅樹林, 就不可能进行貝类养殖, 因为这个生态系统为貝类提供了良好的栖息地。貝类产业的需求和当地人的需求将推动公共和私营部门优先考虑紅樹林生态系统恢复工作, 因为可持续性发展的貝类养殖有助推动当地的经济發展。

助當地居民創造淨收入

丹絨甲巴居民依靠貝类获取收入和食物——漁民会在附近的聚鱼场出售他们捕获的海产。一些当地人也会在退潮的泥滩上挖掘一些新的“沙白”和椰干回家煮食。

在丹絨甲巴的紅樹林恢复项目中, 植蟹和团队希望貝类养殖有助居民增加净收入, 摆脱贫困。

“丹絨甲巴的貝类养殖计划在增加当地居民的净收入, 并不涉及市场和销售, 原因是我国貝类市场供应供不应求, 所以并不需要开发市场。” 植蟹进一步解释该项目的目的。

她强调, 并不是每一个紅樹林保育项目都会有貝类养殖计划。“水产养殖通常都会随当地居民的需要, 我们提供协助与创新的想法和知识技能为主, 为当地居民带来一系列的技术培训指导。”



▲海蟹也是本地人爱吃的海鲜之一。

可持續性漁農業讓後代受益

过去十年以来, 丹絨甲巴深受气候变化的影响。海岸线被严重侵蚀, 风暴强度和频率增加, 摧毁了约两公里以上的紅樹林带。基于紅樹林中的生物之间建立了食物链循环, 使得貝类和紅樹林相互依存的关系, 再者以通过稳定沉积物和恢复当地水域的生态平衡来降低气候变化的影响。

“在开始养殖貝类之前, 我们要修复紅樹林生态系统。有效的途径就是在养殖过程中融入沉积物和当地水文学术相结合, 以制定合适的最佳条件, 提高貝类的生长和存活率。”

“我们采用了印尼德马中丞地增產突出的试点案例之一, 通过“自然屏障”成功恢复了海岸线免受严重侵蚀。该试点项目的一个组成部分是通过对立战略向水产养殖。” 植蟹解释道。

在丹絨甲巴貝类养殖项目中, 湿地国际 (Wetlands International) 植蟹和马来西亚渔业研究所和渔民合作, 整合来自貝类养殖专家以及当地渔民的传统知识, 再结合水深、湿度、潮汐和海水温度分析和评估后, 挑选最佳时期种植活体的貝类苗种, 这也使得貝类的生长速度从18到24个月缩短至8到12个月。

该组织的马来西亚技术主任植蟹说, 他们目前在霹靂州曼城县的丹絨甲巴 (Tanjung Kepah) 紅樹林开展养殖计划, 专注于养殖两种貝类包括“沙白”的亚洲硬壳蛤 (Kepah) 和椰干 (Keang)。

丹絨甲巴曾是我国最大的“沙白”产地, 但在过去数十年伴随着紅樹林的退化和水质的改变, 产量已经大大减少。



▲丹絨甲巴曾经是产貝类最大的区域, 如今“沙白”的产量已经大幅减少。



▲植蟹 (左五): 湿地国际目前在霹靂州曼城县的丹絨甲巴紅樹林开展生态系统计划。

湿地养殖项目是在对当地水域造成环境问题的前提下实施貝类养殖计划。因此, 湿地国际积极与马来西亚渔业研究所建立密切的战略合作关系, 通过专业培训的方式来进行生产和养殖技术, 以符合海上养殖 (System Kultur Laut) 的要求。

丹絨甲巴的紅樹林生态恢复项目是在该中心 Pusat Riset Laut Tanjung Kepah 一带进行中, 许多当地人和游客都来这里体验挖沙投石和观察。这个地方被打造成科普视频后风靡一时, 吸引了许多外国游客一睹这个中乐土。

“游客不仅可以得到貝类苗种, 还可以用来做纪念品。我们相信, 通过丹絨甲巴的紅樹林生态恢复项目的貝类养殖, 将会提高丹絨甲巴知名度, 为当地人创造更多就业机会。” 植蟹说。

“过去十年以来, 丹絨甲巴深受气候变化的影响。海岸线被严重侵蚀, 风暴强度和频率增加, 摧毁了约两公里以上的紅樹林带。基于紅樹林中的生物之间建立了食物链循环, 使得貝类和紅樹林相互依存的关系, 再者以通过稳定沉积物和恢复当地水域的生态平衡来降低气候变化的影响。”

和许多多倍量营养素。” 植蟹希望提供貝类养殖可以当地生态环境获得更好的保护与发展。

不同的养殖类型具有不同的营养方式和环境反应。貝类中牡蛎属滤食性动物, 它们会过滤周围的水吸收体内过滤和去除颗粒和有害营养物质, 将干净的水排回水体中。这个过程也称为反硝化作用, 随着时间的推移, 貝类的可持续养殖可提高水的透明度。此外, 貝类床可以稳定沉积物, 有助于保护海岸线免受侵蚀和风暴的巨大摧毁。

“在丹絨甲巴的紅樹林恢复项目中, 我们和渔业研究所合作, 为当地居民提供技术专家的培训课程, 为渔民提供可持续管理貝类养殖的知识和技能。” 植蟹说。

在整个丹絨甲巴的紅樹林生态恢复项目中, 他们会提供小额赠款给予渔民, 以帮助他们克服期间失去的寻找生计的时间。



推動貝類養殖 促進經濟 保育環境



▲植蟹 (左五): 湿地国际目前在霹靂州曼城县的丹絨甲巴紅樹林开展生态系统计划。

马来西亚的貝类养殖规模较小, 例如柔佛州的淡菜养殖场, 渔业成功设计了更加系统化和全面性的管理计划, 并符合当地人的饮食习惯, 以促进竞争力。不断进行监测和评估是丹絨甲巴的紅樹林生态恢复项目的关键要素之一, 以确保已开发的貝类养殖的实用性。这会由参与项目的当地人自行对该地区进行监测, 并测量貝类生长的表现。

“当然, 我们将提供对应的知识分享与训练来确保居民有能力自行监测和评估。”

植蟹透露, 在2023年11月18日, 湿地国际在丹絨甲巴举办了社区会议和研讨会, 当地居民对貝类养殖的发展表现出浓厚的兴趣。

“我们的策略是通过一系列技术培训知识转移, 让当地人学习貝类养殖的能力与知识。从那里开始, 参与项目的当地人将能负责运营和维护貝类养殖的责任, 继而推动当地为生态发展重点之一。”



▲过去十年以来, 丹絨甲巴深受气候变化的影响。海岸线被严重侵蚀, 风暴强度和频率增加, 摧毁了约两公里以上的紅樹林带。

評估生態表現 由居民監測

“当然, 我们将提供对应的知识分享与训练来确保居民有能力自行监测和评估。”

植蟹透露, 在2023年11月18日, 湿地国际在丹絨甲巴举办了社区会议和研讨会, 当地居民对貝类养殖的发展表现出浓厚的兴趣。

“我们的策略是通过一系列技术培训知识转移, 让当地人学习貝类养殖的能力与知识。从那里开始, 参与项目的当地人将能负责运营和维护貝类养殖的责任, 继而推动当地为生态发展重点之一。”

“当然, 我们将提供对应的知识分享与训练来确保居民有能力自行监测和评估。”

植蟹透露, 在2023年11月18日, 湿地国际在丹絨甲巴举办了社区会议和研讨会, 当地居民对貝类养殖的发展表现出浓厚的兴趣。

II. Our Programmes and Activities

Community of Practice Workshop

The first in-person meeting of the Wetlands International Network-wide Community of Practice (CoP) took place from November 11 to 15 in Gopalpur, India, bringing together 24 representatives from 17 Wetlands International (WI) offices. The gathering focused on establishing a framework for the Wetlands International CoP (WICoP) to promote knowledge sharing, collaborative learning, and the advancement of wetland conservation strategies across various landscapes. Participants discussed approaches to strengthening knowledge management, including the development of a WI Network learning agenda, strategies for implementing the WICoP, and the application of the 4 Returns (4R) Framework customized for wetland ecosystems. A significant outcome was the development of input for a WI Network learning agenda, which identified twelve thematic areas: fundraising, upscaling good practices, MEL&Knowledge Management, Livelihood approaches, policy influencing, climate&carbon, ecosystem services/biodiversity, financial sector influencing, communication/writing, and inclusion (youth, gender, indigenous knowledge).



II. Our Programmes and Activities



II. Our Programmes and Activities

EAAF Strategy Development – Regional Workshop

A physical regional workshop has been conducted from 23rd – 25th July 2024 at Manila, The Philippines with participation of representatives from WI Global office, Malaysia office, Indonesia office and Philippines office. The regional workshop aimed to develop building blocks of a 5-years flyway strategy of the region for Wetlands International. The workshop focused on the targets set for the strategy, scope, theory of change and main activities designed for each network offices. Apart from that, the organization needs including knowledge gaps, expertise and funding gaps have been identified as well.



II. Our Programmes and Activities

EAAF Strategy Development – Regional Workshop



II. Our Programmes and Activities

In 2024, a total of **2,558 saplings** coming from a variety of habitats such as peat swamp forest, mangrove forests, riverine/freshwater swamps, and beach forests were successfully raised and donated to various entities, including **Universiti Brunei Darussalam (UBD), the Forestry Department, Brunei Shell Petroleum (BSP) Solar Headquarters (Solar HQ) / Future Energy Lion (FEL), and Health, Safety, and Environment (HSE) Department of BSP**. These organizations incorporated the saplings into their respective conservation initiatives, indirectly contributing to the objectives of **Brunei's National Climate Change Policy (BNCCP)**, which aims to plant **500,000 trees by 2035** to enhance forest cover and mitigate carbon emissions.

These saplings were originally part of a planned **reforestation project** in collaboration with **BSP HSE Department**. However, as the project could not be materialized, the decision was made to donate the saplings to key environmental stakeholders, ensuring their continued role in ecosystem restoration efforts.

Among the donated species was ***Dryobalanops rappa***, an **Endangered** tree of significant ecological value. Some of these saplings were planted in the **Anduki Forest Reserve**, a site previously affected by forest fires. Their introduction into this degraded habitat represents a crucial step in **restoring the ecosystem** and supporting the recovery of affected forest areas.

The success of this initiative was made possible by the **dedication and expertise** of our nursery staff, who meticulously managed **seed collection, sapling maintenance, and nursery operations**. Their commitment to **watering, pest management, and maintaining optimal growing conditions** ensured the healthy development and survival of all 2,558 saplings before their successful donation.

This achievement highlights our ongoing commitment to **conservation, sustainability, and climate resilience**, reinforcing collaboration with key stakeholders and supporting national environmental objectives.

II. Our Programmes and Activities



II. Our Programmes and Activities



III. Our Team

Khadijah Binti Ahmad

Khadijah obtained her BSc. (Social Science) in Accounting and Economics from Southampton University, UK. In 1996, she joined Wetlands International Malaysia as a Finance Officer. Currently, she is in charge of all the Accounts administration of the Malaysia and Brunei office.



Flora George

Flora George is the current Administration Officer at Wetlands International Malaysia. She has an Executive Diploma in Secretarial studies. She gradually progressed in ranks from Secretary to Administration Officer.



Yong Huamei

Huamei joined Wetlands International Malaysia as a Technical Officer in 2014. She was recently promoted to Senior Technical Officer. Her main focus is on peatland conservation and management for Malaysia and Brunei. Huamei, graduated with a Bachelor degree in Conservation Biology and a Masters degree in Ecology & Herpetology.



III. Our Team

Aziah Binti Muhamad

Aziah graduated from the University of Brunei Darussalam with a Bachelor degree in Biological Science and a Masters degree. She is involved with follow up projects from the Biodiversity Action Plan (BAP) project 2012 - 2014, a collaboration between Brunei Shell Petroleum (BSP) and Wetlands International (WI).



Azwani Sahibu

Azwani is Sabahan and holds a Master's degree in Marine Biology from Universiti Malaysia Terengganu. Her work involves on mangrove restoration and empowering local communities to adapt to climate change's repercussions



IV. 2024 Financial Summary

Registration No.

199601021679

394031-D

WETLANDS INTERNATIONAL
(A Company Limited By Guarantee And Not Having A Share Capital)
(Incorporated in Malaysia)

STATEMENT BY DIRECTORS PURSUANT TO
SECTION 251(2) OF THE COMPANIES ACT, 2016

We, Dr. Shamsudin Bin Ibrahim and Datuk Paduka Ir. Hj. Keizrul Bin Abdullah @ Lim Teik Keat, being two of the Directors of Wetlands International do hereby state that, in the opinion of the Directors, the accompanying financial statements set out on pages 5 to 28 are drawn up so as to give a true and fair view of the financial position of the Company as at 31 December 2024 and financial performance of the Company for the financial year ended 31 December 2024 in accordance with Malaysian Financial Reporting Standards in Malaysia and the requirements of the Companies Act, 2016 in Malaysia.

ON BEHALF OF THE BOARD OF DIRECTORS



DR. SHAMSUDIN BIN IBRAHIM

DIRECTOR

Subang Jaya, Selangor Darul Ehsan

19 FEB 2025



DATUK PADUKA IR. HJ. KEIZRUL BIN
ABDULLAH @ LIM TEIK KEAT
DIRECTOR

STATUTORY DECLARATION PURSUANT TO
SECTION 251(1) (B) OF THE COMPANIES ACT, 2016

I, Khadijah Ahmad, the officer primarily responsible for the financial management of Wetlands International, do solemnly and sincerely declare that the financial statements set out on pages 5 to 28 are, in my opinion, correct and I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Statutory Declarations Act, 1960.



KHADIJAH AHMAD

Subscribed and solemnly declared by the abovenamed Khadijah Ahmad,

at: Subang Jaya, Selangor Darul Ehsan

on: 19 FEB 2025

before me.



ZAMZURI & CO.

Zamzuri & Co.
(AF 1315)
Chartered Accountants
N-7-22, First Subang Mall
Jalan SS15/4G
47500 Subang Jaya
Selangor Darul Ehsan
Telephone +60 3 5878 1207

**INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF
WETLANDS INTERNATIONAL
(A Company Limited By Guarantee And Not Having A Share Capital)
Registration No. 199601021679 (394031-D)**

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of Wetlands International, which comprise the statement of financial position as at 31 December 2024, and the statement of comprehensive income, statement of changes in members' funds and statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, as set out on pages 5 to 28.

In our opinion, the accompanying financial statements give a true and fair view of the financial position of the Company as at 31 December 2024, and of its financial performance and its cash flows for the year then ended in accordance with Malaysian Financial Reporting Standards, International Financial Reporting Standards and the requirements of the Companies Act, 2016 in Malaysia.

Basis for Opinion

We conducted our audit in accordance with approved standards on auditing in Malaysia and International Standards on Auditing. Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Independence and Other Ethical Responsibilities

We are independent of the Company in accordance with the By-Laws (on Professional Ethics, Conduct and Practice) of the Malaysian Institute of Accountants ('By-Laws') and the International Ethics Standards Board for Accountants' International Code of Ethics for Professional Accountants (including International Independence Standards) ('IESBA Code'), and we have fulfilled our other ethical responsibilities in accordance with the By-Laws and the IESBA Code.

Information Other than the Financial Statements and Auditors' Report Thereon

The Directors of the Company are responsible for the other information. The other information comprises the Directors' Report but does not include the financial statements of the Company and our auditors' report thereon.

Our opinion on the financial statements of the Company does not cover the Directors' Report and we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements of the Company, our responsibility is to read the Directors' Report and, in doing so, consider whether the Directors' Report is materially inconsistent with the financial statements of the Company or our knowledge obtained in the audit or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of the Directors' Report, we are required to report that fact. We have nothing to report in this regard.

ZAMZURI & CO.

Zamzuri & Co.
(AF 1315)
Chartered Accountants
N-7-22, First Subang Mall
Jalan SS15/4G
47500 Subang Jaya
Selangor Darul Ehsan
Telephone +60 3 5878 1207

**INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF
WETLANDS INTERNATIONAL (CONTINUED)
(A Company Limited By Guarantee And Not Having A Share Capital)
Registration No. 199601021679 (394031-D)**

Responsibilities of the Directors for the Financial Statements

The Directors of the Company are responsible for the preparation of financial statements of the Company that give a true and fair view in accordance with Malaysian Financial Reporting Standards, International Financial Reporting Standards and the requirements of the Companies Act, 2016 in Malaysia. The Directors are also responsible for such internal control as the Directors determine is necessary to enable the preparation of financial statements of the Company that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements of the Company, the Directors are responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Directors either intend to liquidate the Company or to cease operations, or have no realistic alternative but to do so.

Auditors Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements of the Company as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with approved standards on auditing in Malaysia and International Standards on Auditing will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with approved standards on auditing in Malaysia and International Standards on Auditing, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- a) Identify and assess the risks of material misstatement of the financial statements of the Company, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- b) Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.
- c) Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Directors.

**INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF
WETLANDS INTERNATIONAL (CONTINUED)**
(A Company Limited By Guarantee And Not Having A Share Capital)
Registration No. 199601021679 (394031-D)

- d) Conclude on the appropriateness of the Directors' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements of the Company or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- e) Evaluate the overall presentation, structure and content of the financial statements of the Company, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Director regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit

Report on Other Legal and Regulatory Requirements

In accordance with the requirements of the Companies Act, 2016 in Malaysia, we also report that in our opinion, the accounting and other records and the registers required by the Act to be kept by the Company have been properly kept in accordance with the provisions of the Act.

Other Matters

This report is made solely to the members of the Company, as a body, in accordance with Section 286 of the Companies Act 2016 in Malaysia and for no other purpose. We do not assume responsibility to any other person for the content of this report.



ZAMZURI & CO.
(No. AF: 1315)
Chartered Accountants



MOHD ZAMZURI BIN DARUS
(No. 02107/11/2026 (J))
Chartered Accountant
19 FEB 2025
Selangor Darul Ehsan

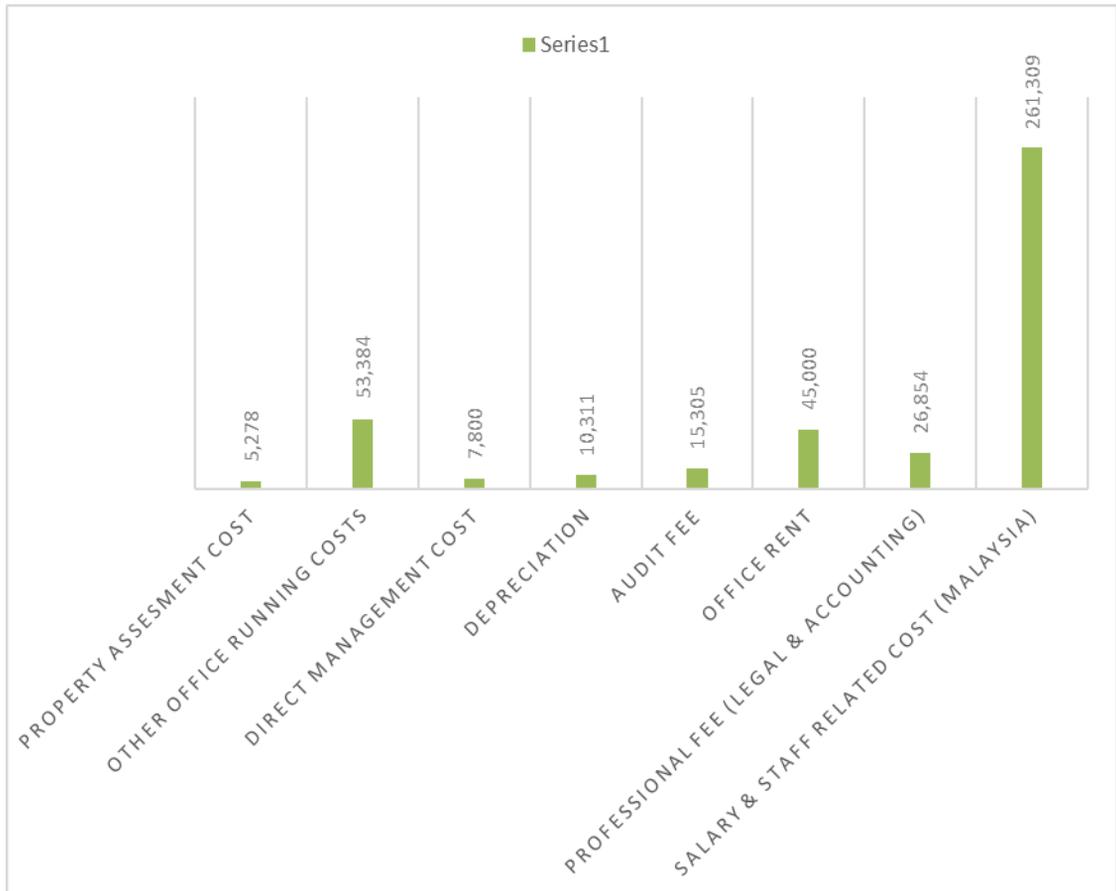
STATEMENT OF COMPREHENSIVE INCOME FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2024

Revenue by Project



STATEMENT OF COMPREHENSIVE INCOME FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2024

Administrative costs



STATEMENT OF COMPREHENSIVE INCOME FOR THE FINANCIAL YEAR ENDED 31 DECEMBER 2024

	2024 (RM)	2023 (RM)
Revenue	800,250	1,507,794
Direct Project Costs	(857,263)	(984,375)
Gross (deficit)/surplus	(57,013)	523,419
Other operating income	211,642	101,539
Administrative expenses *	(425,241)	(442,274)
Other operating expenses	(4,353)	(138,444)
Surplus/(Deficit) before taxation	(274,965)	44,240
Taxation	(292)	-
Surplus/(Deficit) for the financial year	<u>(275,257)</u>	<u>44,240</u>

STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2024

	2024 (RM)	2023 (RM)
NON-CURRENT ASSETS		
Property, plant and equipment	435,023	452,779
CURRENT ASSETS		
Trade Receivables	23,150	180,043
Other receivables, deposits and prepayments	33,261	23,647
Tax recoverable	25,680	27,180
Cash and bank balances	1,519,884	2,238,989
	<u>1,601,975</u>	<u>2,469,859</u>
LESS: CURRENT LIABILITIES		
Trade payables	15,638	36,510
Other payables and accruals	351,414	705,411
	<u>367,052</u>	<u>741,921</u>
NET CURRENT ASSETS	<u>1,234,923</u>	<u>1,727,938</u>
	<u>1,669,946</u>	<u>2,180,717</u>
REPRESENTED BY		
Members' contribution funds	300	300
Reserve Fund	200,000	200,000
Surplus in accumulated funds	1,469,646	1,980,417
	<u>1,669,946</u>	<u>2,180,717</u>