

Building Stronger Communities Together

Yayasan
PETRONAS 



2025 HIGHLIGHTS

COVER RATIONALE



The cover illustration reflects a shared journey—one where individuals, communities and partners come together, each playing a role in shaping progress over time. The interconnected lines running across the visual represent how these efforts are linked, with each contribution forming part of broader, longer-term outcomes.

At Yayasan PETRONAS, Building Stronger Communities Together reflects this belief, that meaningful progress takes place over time, through collective effort and through many small steps that build over time. In 2025, our work across Education, Community Well-being & Development, and Environment continued to be guided by our Theory of Change (TOC)—an approach that helps us understand how the actions we take today contribute to the longer-term outcomes we hope to see.

Across our programmes, we continued to work alongside communities to strengthen learning environments, support livelihoods and improve preparedness for environmental challenges. While each effort may be modest on its own, together they contribute towards building stronger, more resilient and inclusive communities.

As reflected in this visual, this is an ongoing journey—one shaped not by a single effort, but by the collective actions of many, working together over time.

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Yayasan PETRONAS

ABOUT YAYASAN PETRONAS

Yayasan PETRONAS is the social impact arm of PETRONAS, committed to strengthening communities throughout Malaysia through structured, long-term interventions.

Guided by the Theory of Change (TOC) framework and delivered in partnership with government agencies, implementation partners and local communities, our work advances socio-economic progress across three core pillars: Education, Community Well-being & Development, and Environment.

FOCUS AREAS AND OBJECTIVES

We are committed to socio-economic progress in three key areas: Education, Community Well-being & Development, and Environment.



EDUCATION

Powering Knowledge



COMMUNITY WELL-BEING & DEVELOPMENT

Uplifting Lives



ENVIRONMENT

Planting Tomorrow

Objectives:

Promote the advancement and development of human capital and capabilities in Malaysia through provision of education aid and training.

Goals:

Promote high quality Science, Technology, Engineering and Mathematics education and provide inclusive education support.

Objectives:

Promote community well-being and development through long term sustainable advancements in the areas of socio-economic developments, healthcare, safety and living environments among communities in Malaysia.

Goals:

Contribute to well-being and economic opportunities for underprivileged communities.

Objectives:

Promote and advance the preservation and conservation of the environment in Malaysia and related studies and research.

Goals:

Increase resilience of vulnerable communities.



Tan Sri Mohd Bakke Salleh
Chairman
Yayasan PETRONAS

CHAIRMAN'S FOREWORD

Building stronger communities is ultimately measured not by intent, but by outcomes that endure. It requires clear priorities, disciplined execution and ongoing partnerships. This belief continues to guide Yayasan PETRONAS in its role as the social impact arm of PETRONAS.

Rising economic pressures and environmental challenges continue to shape the realities faced by many communities. Climate-related disruptions, including increasingly frequent floods, have direct consequences at ground level, while the rising cost of living places additional strain on households striving to meet their daily needs.

Against this backdrop, the work of Yayasan PETRONAS continues to make a meaningful impact where it is needed most. Our focus remains on delivering tangible outcomes that improve lives and unlock pathways for sustainable economic development, anchored in long-term social investments rather than short-term interventions.

We continued to ground our efforts in the Theory of Change (TOC) framework, which provides a structured approach to setting priorities, directing resources and assessing outcomes. In evaluating our flagship programmes under the Community Well-being & Development and Education pillars, it serves as a clear reference point, enabling us to identify areas for improvement. This approach allows us to better understand the results achieved and continuously enhance the impact of our programmes.

These insights are invaluable and will continue to guide us to be more focused across our pillars. In Education, our activities have always centred on Science, Technology, Engineering and Mathematics (STEM) learning, in line with national priorities and the role these skills play in strengthening Malaysia's long-term competitiveness. Alongside targeted initiatives in this area, we remain committed to promoting inclusive access to education, including support for learners with special educational needs.

In Community Well-being & Development, greater emphasis has been placed on a community-based approach that strengthens local capability and self-reliance. By equipping individuals with practical skills and knowledge, we aim to support communities in shaping their own progress and sustaining outcomes over time. Under the Environment pillar, our work continues to be framed through the lens of community resilience. Greater attention has been given to preparedness and awareness, supporting communities as they adapt to environmental pressures that affect safety and livelihoods. These efforts reflect the need for practical responses anchored in community participation.

Taken together, these efforts reflect a more consistent and focused approach to how the Foundation deploys its resources, guided by a focus on shared value creation and a commitment to disciplined stewardship.

At the same time, we remain mindful of the broader national context and the development priorities shaping the country. Our programmes complement these priorities, including those articulated under the MADANI initiatives, while remaining firmly focused on outcomes that matter to Malaysians.

We recognise that sustainable impact is built on trust developed over time. This trust is fostered through continuous engagement with partners and communities, underpinned by strong governance. The Board of Trustees provides oversight to ensure that resources are managed responsibly, with clear accountability for both impact delivery and measurement.

“Taken together, these efforts reflect a more consistent and focused approach to how the Foundation deploys its resources, guided by a focus on shared value creation and a commitment to disciplined stewardship.”

As the Foundation looks ahead, we remain committed to strengthening resilience and delivering greater sustainable impact across communities. On behalf of the Board of Trustees, I extend my appreciation to fellow Trustees, the Foundation's management and employees, volunteers, partners and the communities we serve for their continued commitment and collaboration.

Together, we look ahead with a clear purpose and a shared responsibility to uplift Malaysians through meaningful change—so that, resilient and progressive communities may endure. Thank you.

Tan Sri Mohd Bakke Salleh
Chairman
Yayasan PETRONAS

CHIEF EXECUTIVE OFFICER'S REFLECTIONS

We have taken a more deliberate approach, seeking to balance immediate support with longer-term outcomes, by working closely with partners and communities.

Hajah Shariah Nelly Francis
Chief Executive Officer
Yayasan PETRONAS

Dear Stakeholders,

In 2025, Yayasan PETRONAS continued its efforts to work alongside communities in Malaysia, guided by a shared responsibility to contribute where it matters the most. The journey this year has not only been about what has been delivered, but also about how we continue to listen, learn and improve—so that the contributions and efforts remain relevant, inclusive and sustainable.

A key part of this journey has been the continued application of our Theory of Change (TOC). Simply put, the TOC framework is how we map the connection between the work we do today and the long-term outcomes we hope to achieve. This helps us stay focused to our purpose, ensure the interventions respond to needs and guide us in measuring whether we are making a meaningful difference to communities. This also reminds us that impact is not immediate—it requires consistency, collaboration and time.

During the year, we carried out evaluations of our long-standing programmes—*Memperkasakan Kesejahteraan Rakyat* (MEKAR) and *Program Duta Guru* (PDG). These reviews have been important in helping us better understand both the strengths of these two programmes and the areas where improvements are needed, particularly in strengthening programme design and long-term sustainability.

Across our pillars—Education, Community Well-being & Development, and Environment—we have taken a more deliberate approach, seeking to balance immediate support with longer-term outcomes by working closely with partners and communities.

434

graduates completed PDG Cohort 5
— the largest cohort to date

RM48.13 million

contributed through programmes,
grants and donations nationwide

1,800

+ individuals empowered through
MEKAR skills training and
entrepreneurship support

Education

In Education, focus remains on supporting those at the heart of learning—the teachers and students.

Through our strategic partnership with the Ministry of Education, PDG has continued to evolve, moving from a teacher-training platform to nationwide educator development and peer support network. In 2025, 434 teachers completed the programme, contributing to a growing community of 910 *Duta Guru* who are committed to improving classroom practice and student outcomes. Expansion of three new STEM Hubs—a collaborative learning space for teachers to share teaching methods and access to resources—in Sabah, Perak and Melaka also continued, creating more opportunities for hands-on learning.

Learning environments were also enhanced through the Science Labs Enhancement Initiative, where 100 schools received upgraded equipment, and training was provided to 775 laboratory assistants. In addition, we supported the *Sekolah Angkat Madani (SAMADANI)* initiative by adopting 50 PDG schools, providing access to selected PDG initiatives to foster inclusive learning environment and improve learning outcomes.

In parallel, we collaborated with *Bahagian Pendidikan Khas* and *Jabatan Pendidikan Negeri Sabah* on the early detection of Special Education Needs (SEN), reaching 246 students across four districts in Sabah, with the goal of ensuring that students receive timely intervention and appropriate support so that no child is left behind.

Community Well-being & Development

In Community Well-being & Development, our focus continued to centre on improving livelihoods in ways that communities themselves can sustain over time.

Through MEKAR, over 1800 individuals participated in skills development and income-generating activities. As we reflect on the programme's progress, we are mindful that meaningful change does not happen overnight. Accordingly, MEKAR is being strengthened, placing greater emphasis on community-based effort, leadership, resilience and adaptability.

During the year, a community-based approach guided clean water initiatives in Sabah and Sarawak. Efforts in Kota Belud and Pitas in Sabah, as well as Kampung Lakutan and Kampung Yoh in Sarawak, reflect what can be achieved through close partnership with communities. Complementary activities, such as sustainable farming workshops, were also introduced to support longer-term self-sufficiency.

During key festive periods, the Uplifting Lives initiative provided essential and festive food items to 11,850 families in Malaysia, with selected contributions sourced from MEKAR entrepreneurs. In this way, support extended to identified households also created opportunities within the community itself.

Environment

Our work in Environment reflects a growing need to support communities in adapting to climate-related challenges, while continuing efforts to protect and restore terrestrial and marine ecosystems in Malaysia.

Through the One Million Trees (OMT) programme, we worked with partners and communities to rehabilitate degraded sites in Kungkular Forest Reserve in Sabah and Sungai Santi in Johor, planting around 107,600 trees in 2025, guided by structured planning and sustained site management. Meanwhile, school-based environmental learning was enhanced through the publication and distribution of the first of four Environmental Education Guidebooks.

“As we look ahead in 2026, our focus remains on deepening our community-based approach, strengthening resilience and preparedness in the face of climate risks.”

Following the identification of seagrass protection as a priority area, the mapping of seagrass meadows covered 1,846 hectares across coastal sites in Malaysia. While this is an important first step, we recognise that seagrass protection efforts will require sustained collaboration and stewardship at the local level. Thus, community engagement activities were carried out during the year to build awareness and encourage participation.

We also advocated for community resilience through Community-based Disaster Risk Management (CBDRM) initiatives, including flood preparedness programme across 20 villages in Kuala Lumpur, Selangor, Negeri Sembilan and Perak. These efforts aim to strengthen local preparedness and response, recognising that communities are often the first to face and respond to such challenges.

In times of need, we continued to provide support to affected communities, including 19,100 care packages and refurbishment assistance following flood events in Perak and Sabah.

Strengthening the Ecosystem

Beyond our programmes and grants, we continue to strengthen the broader social impact ecosystem by supporting knowledge-sharing and capability building at HRD Corporation's National Training Week 2025 (NTW). During NTW, we worked with partners and corporate foundations to deliver targeted courses for non-governmental organisations (NGOs) and individuals, contributing to the continued development of the sector.

Looking Ahead

In 2025, the Foundation contributed RM48.13 million through programmes, grants and donations. While this represents an important commitment, we are reminded that the true impact and measure of our work lie in the outcomes and lived experience of communities over time.

As we look ahead in 2026, our focus remains on deepening our community-based approach, strengthening resilience and preparedness in the face of climate risks, and expanding support for inclusive education, particularly in SEN.

We are grateful for the continued support and trust of our stakeholders. I would like to extend my sincere appreciation to the Board of Trustees for their guidance, and to our management, staff, volunteers and partners for their trust, collaboration and shared commitment to deliver positive and sustainable impact to communities in Malaysia.

Hajah Shariah Nelly Francis

Chief Executive Officer
Yayasan PETRONAS

BOARD OF TRUSTEES



**TAN SRI
MOHD BAKKE SALLEH**

Chairman

Tan Sri Mohd Bakke Salleh is the Chairman of Petroliaam Nasional Bhd (PETRONAS). Prior to his current appointment in August 2021, he served as Chairman of Telekom Malaysia Bhd.

To date, Tan Sri Mohd Bakke has held various key positions in both government-linked organisations and the private sector. He has served as Chairman of the Federal Land Development Authority (FELDA), Chairman of the Malaysian Palm Oil Board (MPOB) and Chairman of Bank Islam Malaysia Bhd.

He was also President & Group Chief Executive of Sime Darby Bhd, and subsequently, Executive Deputy Chairman & Managing Director of Sime Darby Plantation Bhd. Earlier, he served as Group Managing Director at Felda Holdings Bhd, before becoming Group President & CEO of Felda Global Ventures Holdings Bhd.

He has helmed Lembaga Tabung Haji and also served as Managing Director at various companies including Syarikat Perumahan Pegawai Kerajaan (SPPK) Sdn. Bhd., Federal Power Sdn. Bhd. and Electra House Sdn. Bhd. He has recorded stints at Pengurusan Danaharta Nasional Bhd., Island & Peninsular Bhd.; Citibank Bhd.; Caltex Oil Malaysia Ltd. and Ernst & Young, Kuala Lumpur.

He has served as Non-Executive Director on the Boards of several Malaysian public-listed companies including Eastern & Oriental Bhd. and Southern Acids Malaysia Bhd.; as Council Member of philanthropic foundation Yayasan Sime Darby and as Pro-Chancellor of Universiti Putra Malaysia (UPM). He is currently an Honorary Council Member of the Malaysian Palm Oil Association (MPOA).

Tan Sri Mohd Bakke holds a Bachelor of Science (Economics) from the London School of Economics and Political Science (LSE). He is a Fellow of the Institute of Chartered Accountants in England & Wales (ICAEW) and a Member of the Malaysian Institute of Accountants.

Ir. Norafizal Mat Saad is the Vice President, Group Strategic Relations & Communications, at PETRONAS. He also serves as Chairman of Dewan Filharmonik PETRONAS (DFP), including the Malaysia Philharmonic Orchestra (MPO), and as a Board member of Malaysian Refining Company Sdn. Bhd. (MRCSB) and PETRONAS Penapisan (Melaka) Sdn. Bhd. (PP(M)SB).

With over 30 years of leadership experience at PETRONAS, Ir. Norafizal has built a diverse career spanning project delivery, asset management, international operations and corporate strategy. He has held senior leadership roles in Malaysia and across multiple international markets, including Algeria, Argentina, Australia, Azerbaijan, Cameroon, Chad, Indonesia, Iraq, Mauritania, Myanmar and Sudan, encompassing major onshore and offshore developments, portfolio optimisation and non-operated ventures.

He has also served in various directorship and governance capacities within the PETRONAS Group and its joint ventures, including PETRONAS Carigali Iraq Ltd, PETRONAS Carigali Overseas Sdn. Bhd., PETRONAS Azerbaijan (Shah Deniz) S.a.r.l., PETRONAS South Caucasus S.a.r.l., as well as pipeline and operating entities such as Tchad Oil Transportation Company (TOTCO) S.A., Cameroon Oil Transportation Company (COTCO) S.A., Doba Pipeline Investment Inc., Greater Nile Petroleum Operating Ltd. (GNPOC) and Petrodar Operating Co. Ltd. (PDOC). He has also held Board roles within PETRONAS' entities in Chad and Labuan.

As a Trustee, he contributes to reinforcing Yayasan PETRONAS' role as a trusted platform for sustainable nation-building, guided by sound governance, strategic clarity and principled leadership.

Ir. Norafizal holds a Bachelor's degree in Electrical and Electronics Engineering from the University of Manchester Institute of Science and Technology (UMIST), United Kingdom (UK). He is a registered Professional Engineer and a Corporate Member of both the Board of Engineers Malaysia (BEM) and the Institution of Engineers Malaysia (IEM), and completed the Advanced Management Programme (AMP) at Harvard Business School in 2023.

IR. NORAFIZAL MAT SAAD



HALIMATUN SA'ADIAH ABD. HALIM

Halimatun Sa'adiah Abd. Halim graduated with a Bachelor of Laws (Honours) in 1997 from the University of Bristol, UK. She commenced her professional career at PETRONAS with the Corporate Planning & Development Division, Business Improvement Unit.

She then joined PETRONAS' Group Legal in 2000 and thereon assumed various leadership role within the division, as the Head of Legal for Oil, Marketing and Trading from 2011, Head of Legal Corporate Services and Technology from 2013 and Head of Legal Gas and LNG from 2014.

She has also held directorships on the Boards of various PETRONAS subsidiaries and was the Chief Compliance Officer, Legal Compliance Department, Group Legal in 2018 before her appointment as Group Chief Audit Executive in 2022.

Halimatun is currently the Senior General Counsel of PETRONAS, providing strategic legal oversight on corporate, regulatory and governance matters across the Group.



**DATO' SERI IR
DR ZAINI UJANG**

Dato' Seri Zaini is an academic administrator, environmental engineer and scientist who attempts to blend knowledge, skills, experience and innovation in a harmonious manner.

He served as Secretary-General in the Ministry of Energy, Green Technology and Water for two years. Prior to this, Dato' Seri Zaini was Chairman of the Malaysia Higher Education Blueprint 2015 – 2025 taskforce during his tenure as Secretary-General of the Ministry of Higher Education.

A prolific writer, Dato' Seri Zaini recently published his 35th book, "Ecoshift: Holistic Transformation towards Environmental Sustainability" (2018) and 36th book on "Japanese Ecosophy: A Traveller's Notes" (2019) which gathers his experience and understanding on science, technology, policy and financing for the environmental sector.

He has over 250 scientific papers in leading academic journals to his name, as well as books on environmental engineering, water sustainability, higher education and learning innovation.

He is also a registered Professional Engineer (Malaysia), Chartered Engineer United Kingdom (UK), Chartered Scientist (UK), and Chartered Water and Environmental Manager (UK). He is a Research Associate at MIT, Imperial College London, Tsukuba and Lund University.

Dato' Seri Zaini was the Vice-Chancellor of Universiti Teknologi Malaysia (2008 – 2013) and he was also the first recipient of the prestigious Merdeka Award for Outstanding Scholastic Achievement in 2009.

Dr. Azura graduated with a degree in Accounting and Finance from the London School of Economics and Political Science (LSE). She is also a Fellow of the Association of Chartered Certified Accountants (UK), a member of the Malaysian Institute of Accountants and a Chartered Member of the Institute of Chartered Islamic Finance Professionals (CIIF). She received her doctorate in Islamic Finance from the International Centre of Education in Islamic Finance (INCEIF).

Currently, Dr Azura is the Chief Executive Officer of the CIIF, a professional standard setting body for Islamic finance practitioners. She has also been a Non-Executive Director of Malaysia Debt Ventures Bhd since 2018, and chairs the Board Audit Committee. She is also an Independent Director of CIMB Islamic Bank Bhd. She served as an Independent Non-Executive Director of Bank Muamalat Malaysia Bhd from 2015 until September 2020, where she chaired the Board Audit Committee and Nomination and Remuneration Committee.

She was formerly the Executive Director of PricewaterhouseCoopers Taxation Services, Malaysia, with over 19 years of experience as a Tax Consultant and led various engagements relating to Islamic finance. She played a key role in formulating tax incentives to position Malaysia as an international Islamic financial centre. She has also authored a book and numerous articles on macroeconomic policy and Islamic finance.

**DR. AZURA
OTHMAN**



Zakiah was previously the Deputy Secretary-General (Policy) at Malaysia's Ministry of Finance (MOF). Zakiah joined the public service in 1991 and spent 28 years of her career in the Economic Planning Unit (EPU) before joining the MOF at the end of 2019. At the EPU, she led portfolios in macroeconomic policy, knowledge-based economy and public-sector housing. Meanwhile at MOF, she oversaw the national budget, tax policy and fiscal management, supporting progress towards meeting the Sustainable Development Goals.

She was also involved in various other roles. She served as a Director on the Boards of Pengurusan Aset Air Bhd and Samalaju Industrial Port Sdn. Bhd. Additionally, she has been a government representative on the Employees Provident Fund (EPF) Board since February 2020. Zakiah has played a key role in shaping Malaysia's fiscal policies and institutional reforms, contributing to national discussions on revenue diversification and sovereign credit rating responses.

She holds a Bachelor's degree in Economics from the University of Warwick, UK, and a Master's degree in Social Science (Economics) from the University of Birmingham, UK. In addition, she completed the Advanced Management and Leadership Programme from Oxford University, as well as the Premier Executive Advanced Development Programme in Canberra, Australia.

ZAKIAH JAAFAR**TENGKU SHARIZAD
TENGKU DAHLAN**

Tengku Sharizad assumed the position of Director of the International Science, Technology and Innovation Centre (ISTIC) under the auspices of United Nations Educational, Scientific and Cultural Organization (UNESCO) in June 2020. ISTIC is a UNESCO Category 2 Centre that functions as an international platform for South-South cooperation in science, technology and innovation (STI). She has 20 years of experience in international relations, research and development (R&D), technology management and institutional governance, with a primary focus on science and the technology industry.

She holds a Bachelor's degree in Microbiology from the Flinders University of South Australia. Before joining the ISTIC, she was attached to the Academy of Sciences Malaysia, where she headed the STI Strategic Initiatives and Partnership Division. Prior to this, she served in the International Science Council Regional Office for Asia and the Pacific (ISC ROAP) for eight years, responsible for developing and implementing its regional strategy and programmes, with a special focus on areas like urban health and wellbeing, disaster risk reduction, science policy and interregional collaborations.

Tengku Sharizad has also held senior leadership roles in corporate organisations, driving growth and strategic direction while overseeing financial operations, strengthening risk management and upholding sound financial governance.

2025 FINANCIAL IMPACT



In 2025, Yayasan PETRONAS continued to channel its resources towards programmes that strengthen education, uplift communities and advance environmental stewardship. Guided by the TOC framework, efforts were more closely aligned to long-term outcomes, ensuring that each initiative contributes meaningfully to sustainable and inclusive development. Yayasan PETRONAS remains committed to building stronger communities in Malaysia.

The details of our financial contributions and the communities they impacted are outlined below:

Total Funds Contributed in 2025:

**RM48.13
million**

144,963 lives impacted

Total Funds Contributed to Date:

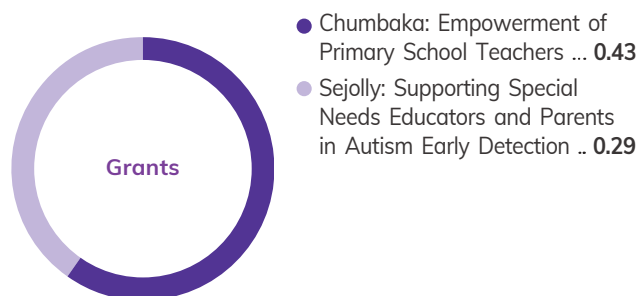
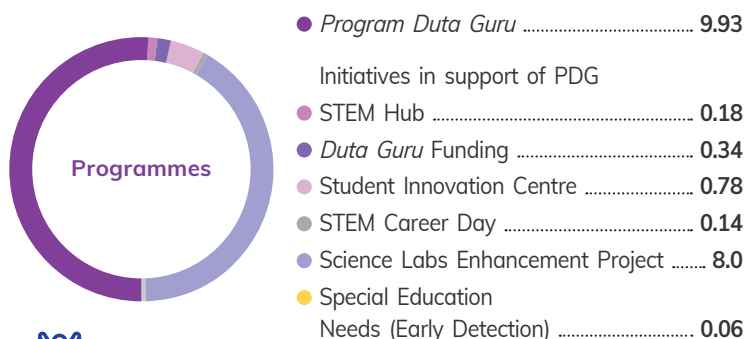
**RM337.90
million**

748,652 lives impacted



EDUCATION

POWERING KNOWLEDGE



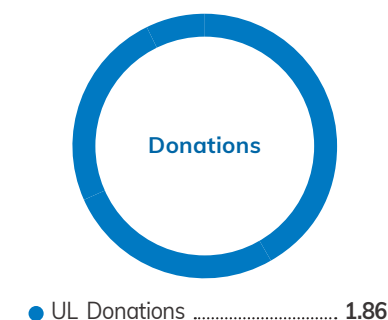
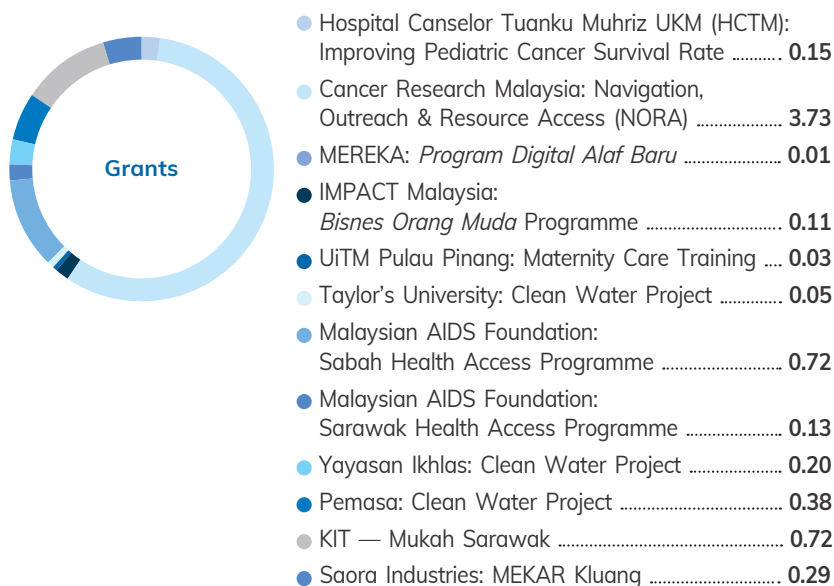
EDUCATION TOTAL
(RM'MILLION):

20.36



COMMUNITY WELL-BEING & DEVELOPMENT (CWD)

UPLIFTING LIVES



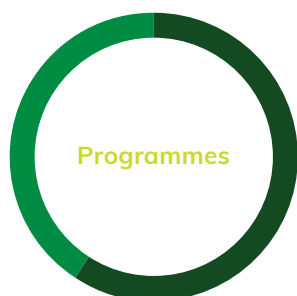
CWD TOTAL
(RM'MILLION):

13.71



ENVIRONMENT

PLANTING TOMORROW



- One Million Trees (OMT) 2.24
 - Tree Planting at Universiti Teknologi PETRONAS (UTP)
 - Nature Trail Development Programme at UTP
 - OMT at Kungkular Forest Reserve, Sabah
 - OMT at Tanjung Surat, Johor
 - OMT at Universiti Malaya
 - Environmental Education at Schools
- Seagrass Mapping and Community-Based Programme 1.53
 - Seagrass — UM
 - Seagrass — UMS
 - Seagrass — UPM



- ThinkCity :
Evaluating Nature-based Solutions for Climate Adaptation 0.25
- Green Growth Asia Foundation:
Eco-Schools Programme 0.99
- Global Environment Centre:
Disaster Preparedness & Response Programme 0.28
- Wetlands International:
Community-based Coastal and Mangrove Restoration 0.14



- Disaster Relief Contributions 6.41
- Planting Tomorrow Donations 2.22

ENVIRONMENT
TOTAL (RM'MILLION):

14.06



NATIONWIDE IMPACT



NUMBER OF PEOPLE IMPACTED

Total
(2019 to
date):

748,652

Current
(2025):

144,963



EDUCATION

Powering Knowledge

Total
(2019 to date):

123,539

Current (2025):

3,650

COMMUNITY WELL-BEING & DEVELOPMENT

Uplifting Lives

Total
(2019 to date):

355,001

Current (2025):

56,813

ENVIRONMENT

Planting Tomorrow

Total
(2019 to date):

270,112

Current (2025):

84,500

In 2025, Yayasan PETRONAS expanded its reach in Malaysia through targeted initiatives under Education, Community Well-being & Development, and Environment. Collectively, our programmes impacted **144,963** Malaysians, reflecting sustained efforts to strengthen learning opportunities, economic participation and environmental stewardship nationwide.



EDUCATION

POWERING KNOWLEDGE

Program Duta Guru (PDG) remained a key platform for supporting educators in strengthening STEM teaching practices.

Education plays an important role in shaping opportunities for individuals and communities over time. In 2025, Yayasan PETRONAS continued to work with partners to strengthen teaching capability, expand access to Science, Technology, Engineering and Mathematics (STEM) learning, and support more inclusive education pathways.

These efforts are guided by long-standing collaboration with the Ministry of Education (MOE) Malaysia and our implementation partners. Through a structured and multi-year approach, our initiatives focus on building capability and supporting schools in ways that can be sustained over time.

Strengthening STEM Teaching Nationwide

PDG remained a key platform for supporting educators in strengthening STEM teaching practices.

Delivered in collaboration with the MOE and implemented with Teach for Malaysia and PETROSAINS, PDG is structured as a 24-month programme that provides teachers with innovative teaching methodologies, peer support and classroom resources that support future-ready learning.

EDUCATION: POWERING KNOWLEDGE

**434**

teachers graduated
from PDG Cohort 5

**773**

teachers are actively
participating in Cohort 6

**800**

teachers have been
recruited for Cohort 7



In 2025, 434 educators graduated from PDG Cohort 5—the largest cohort to date—bringing the cumulative number of teachers trained since 2020 to 1,344. A further 773 teachers are actively participating in Cohort 6, while 800 educators were enrolled in Cohort 7. Together, these cohorts form a growing network of trained STEM educators across schools and districts.

Beyond formal training, PDG continues to support educators in applying what they have learnt within their own school environments. During the year, *Duta Guru* Funding (DGF) projects were showcased at the PDG National Symposium, with 17 additional projects approved for implementation in 2026, enabling educators to deliver locally relevant, high-impact STEM initiatives.

Support also extends to student exposure and learning environments. In 2025, 18 STEM Career Days, including district-level engagements, connected students with opportunities to interact with PETRONAS professionals and explore potential STEM pathways.

In parallel, site preparation for three new STEM Hubs in Sabah, Perak and Melaka progressed, providing space for collaboration and resource sharing among teachers. Student Innovation Centres (SICs) continued to provide platforms for student-led activities, with 37 additional centres approved for rollout in 2026.

The Science Labs Enhancement Initiative also progressed during the year, with training conducted for 44 Master Trainers and 775 laboratory assistants. Around 100 schools received laboratory equipment to support more hands-on learning.

Supplementary contributions were also provided to 13 schools during the year to improve classroom resources where needed.



EDUCATION: POWERING KNOWLEDGE



STEM outreach initiatives in 2025 extended hands-on learning to underserved primary school communities.

In 2025, Yayasan PETRONAS supported 50 *Sekolah Angkat MADANI (SAMADANI)* schools nationwide through a combination of resource support, teacher development and participation in selected PDG initiatives.

Strengthening School Ecosystem

In 2025, Yayasan PETRONAS supported 50 *Sekolah Angkat MADANI (SAMADANI)* schools nationwide through PDG—providing a combination of resource support and teacher development.

SAMADANI is a government-led initiative aimed at strengthening school environments through sustained partnerships. Yayasan PETRONAS supports participating schools primarily through PDG initiatives that enhance teacher development and improve learning resources through science lab improvements, SICs, DGF and STEM Career Days.

These efforts are intended to support three key *SAMADANI* pillars—learning resources, student programmes and teacher development programmes—supporting balanced and inclusive progress across school communities.

Environmental learning at schools is also integrated through regenerative planting—a method that mimics natural self-sustaining forests with a focus on restoring soil health and improve biodiversity—providing students with opportunities to engage with sustainability concepts alongside academic learning. Teachers from

SAMADANI schools also participated in the annual PDG National Symposium in 2025, as well as a regenerative farming workshop, supporting peer learning and the exchange of knowledge and practices.

Engagement with *SAMADANI* schools also included visits by Yayasan PETRONAS and PETRONAS Group representatives, alongside contributions from operating units and subsidiaries. These efforts reflect a shared approach, where schools, educators and partners play a central role in shaping outcomes.

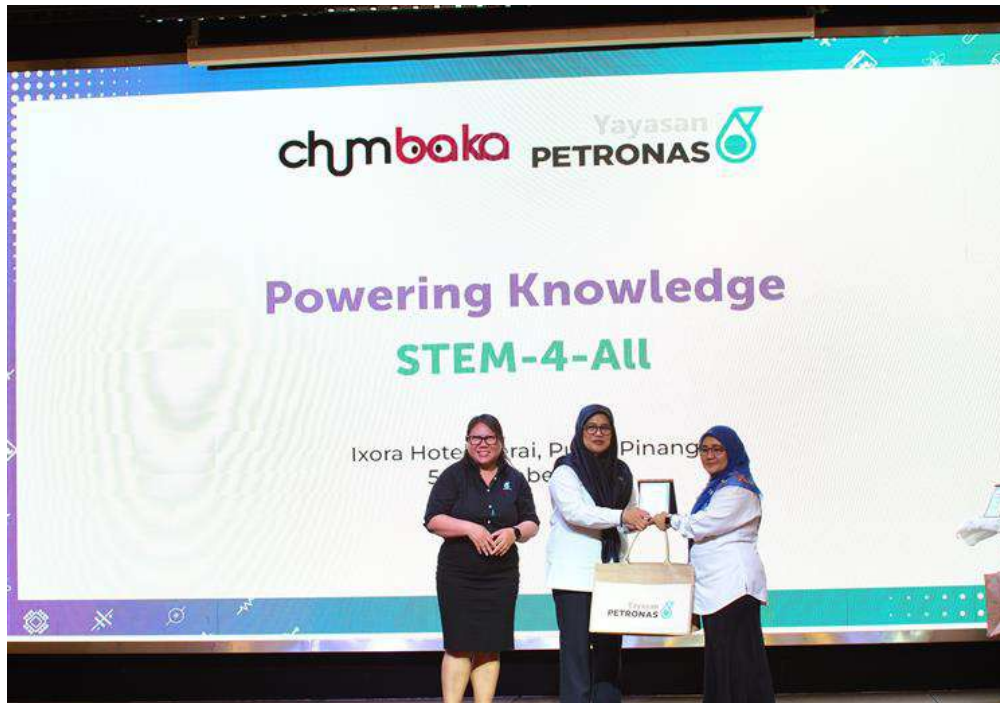
Expanding STEM Access

STEM outreach initiatives in 2025 extended hands-on learning to underserved primary school communities.

STEM-4-ALL focuses on supporting primary school teachers to deliver co-curricular STEM learning through school-based clubs, encouraging practical learning through experimentation, creativity and collaborative problem-solving.

During the year, 42 teachers from 21 schools completed the programme's two-year training cycle, reaching 823 students.

EDUCATION: POWERING KNOWLEDGE



Learning experiences were further supported through participation in competitions at various levels—school, district, state and national. Participating schools achieve recognition across platforms such as Junior Innovate, Malaysia Techlympics and the National Robotic Challenge.

STEM-4-ALL Notable Achievements in 2025

- SK Banggol Jas — **First Prize, Malaysia Techlympics**
- SK Terap — **3rd Best Innovative, Si2TE Sirim 2025 Innovation**
- SK Dato' Haji Zainuddin — **Top 16, Digital Animation Competition**

Special education initiatives in 2025 were focused on strengthening support for students with Special Education Needs (SEN), particularly in early identification, classroom support and family engagement.

Supporting Inclusive Learning Pathways

Special education initiatives in 2025 were focused on strengthening support for students with Special Education Needs (SEN), particularly in early identification, classroom support and family engagement.

Building on the initial integration of SEN into Yayasan PETRONAS' education strategy in 2024, the focus in 2025 shifted towards practical, school-based interventions that involved both educators and caregivers.

The *Inisiatif Memperkasa PPKI* (IMPI), implemented with Rootin, provided training and digital tools to support teachers and parents. During the year, 60 teachers and 11 teaching assistants participated in training sessions, while 142 parents attended workshops and follow-up engagements.

EDUCATION: POWERING KNOWLEDGE

The Rootin application was deployed across participating schools to support classroom management and parent-teacher communication. Through the programme, 110 children were assessed, with varying areas of progress observed across developmental domains.

Complementing this effort, an Early Detection Programme in Sabah reached 246 students across four districts, supporting earlier identification of learning and developmental needs. These initiatives were carried out in collaboration with *Bahagian Pendidikan Khas* and *Jabatan Pendidikan Negeri Sabah*, laying the groundwork for more coordinated approaches to SEN support over time.



Building Stronger Learning Communities

Our Education efforts in 2025 were focused on supporting educators, strengthening school environments, expanding access to STEM opportunities and strengthening inclusive pathways for students of diverse learning needs.

While progress has been made, these efforts form part of a longer-term process that relies on continued collaboration among educators, institutions and communities. By working through partnerships, Yayasan PETRONAS aims to contribute towards learning environments that are inclusive, adaptable and responsive to future needs.



EDUCATION: POWERING KNOWLEDGE

IMPACT STORIES



“Every child has potential within them waiting to be unlocked. Sometimes, all they need is trust, space and encouragement.”

**Story 1 – Cikgu Ainur (STEM-4-ALL)
Unlocking Potential through STEM**

For *Cikgu Ainur Arisya*, education is a way to help students build confidence, develop new skills and see possibilities beyond the classroom.

Through the STEM-4-ALL programme, she introduced her students to activities that encouraged creativity, problem-solving and practical application of Science, Technology, Engineering and Mathematics (STEM) concepts.

The programme changed the way her students engaged with STEM. Lessons became more interactive, with students working together to test ideas, complete coding activities and learn through hands-on projects.

One student, an orphan who was initially quiet and reserved, began to show interest after joining the STEM Club and participating in coding modules.

As he progressed, his curiosity grew into a genuine interest in coding. He started completing the exercises on his own and, over time, became confident enough to support his classmates, guide them through activities and contribute meaningfully to group projects.

Despite having limited access to devices, he made the most of every available opportunity. He made a point to request for extra time in the computer lab and borrowed laptops whenever he could during workshops. His commitment and passion set him apart, and he went on to become the only Year 6 mentor, where he now helps teach his peers how to code using Scratch.

For *Cikgu Ainur*, the experience reinforced the importance of providing students with the right environment to learn and grow. “Every child has potential within them, waiting to be unlocked,” she shares. “Sometimes, all they need is trust, space and encouragement.”

EDUCATION: POWERING KNOWLEDGE

IMPACT STORIES



“I joined PDG because I wanted to learn again, to regain my rhythm as a teacher and to become someone who could inspire my students despite what I had gone through.”

Story 2 – *Cikgu Normah (Program Duta Guru)* A Greater Mission through PDG

In 2021, after 15 years in teaching, *Cikgu Normah* faced a turning point in both her personal and professional life when she was diagnosed with cancer. The journey to recovery was not without its challenges. It affected her physically and brought moments of uncertainty, including memory lapses, that made her pause and reflect on her role and confidence as an educator.

As she gradually returned to the classroom, she began to look for ways to rebuild her confidence and reconnect with teaching. This led her to join PDG.

“I joined PDG because I wanted to learn again, to regain my rhythm as a teacher and to become someone who could inspire my students despite what I had gone through,” says *Cikgu Normah*.

Through PDG, she was introduced to approaches such as higher-order thinking skills (HOTS) and collaborative learning strategies. These opened up new ways of engaging her students, gradually transforming her classroom into a more participatory and safe space, one where students felt encouraged to ask questions, exchange ideas and build confidence in science.

For *Cikgu Normah*, the experience reinforced a simple but important belief: that science is not just about answers or doing well in examinations, but about thinking, questioning, problem-solving and exploring possibilities.

This was evident when her students took part in an innovation competition in Labuan. Though hesitant at first, they came together, formed a team, developed a project and took part in the competition. The experience gave them a quiet sense of confidence, nudging and encouraging them to take part in similar competitions and deepen their interest in innovation.

Beyond her classroom, *Cikgu Normah* sees her role as a *Duta Guru* as a way to give back. She actively shares her experiences and approaches with fellow teachers, particularly those at the start of their PDG journey, in the hope of fostering a more supportive and collaborative teaching community.

Looking ahead, she hopes that more educators and students will continue to engage with STEM—building confidence not just in the subject, but in their own ability to learn, adapt and grow, towards becoming future problem solvers and leaders for the country.

EDUCATION: POWERING KNOWLEDGE

IMPACT STORIES



“Being a *Duta Guru* means carrying a responsibility. I want to be a catalyst and a connector, encouraging other teachers to join PDG as well.”

Story 3 – *Cikgu Huzaimi (Program Duta Guru)* Building Confidence through STEM

Cikgu Huzaimi first learned about PDG from a colleague during Cohort 3. He was drawn to the programme as an opportunity to strengthen his teaching practice and continue developing professionally. However, the COVID-19 pandemic delayed his plans. When applications for Cohort 5 opened, he decided to apply, encouraged by friends and fellow teachers who saw the programme as a good fit for him.

Balancing the programme with his personal and professional responsibilities was not always straightforward. As a single father, he managed household duties and cared for his children, while also preparing his Form 5 students for the Sijil Pelajaran Malaysia (SPM) examination. Completing PDG assignments required careful planning and support from his peers.

Through PDG, *Cikgu* Huzaimi was introduced to new teaching strategies and approaches that helped turn classroom learning more interactive. In the process, he came to realise that interaction, curiosity and collaboration are essential to impactful education.

One classroom activity remains especially memorable. During an engineering design process activity, he selected two students with different personalities—one quieter, the other more outspoken. When both were given the opportunity to present, they demonstrated confidence and clarity, showing how the right setting can help students participate more actively.

Beyond his classroom, *Cikgu* Huzaimi has also extended his learning through projects that involved the wider community. These efforts created opportunities for collaboration and helped enrich the learning experience for his students. Over time, he has also encouraged other teachers to consider joining the programme.

“Being a *Duta Guru* means carrying a responsibility,” he says. “I want to be a catalyst and a connector, encouraging other teachers to join PDG as well.”

Looking ahead, *Cikgu* Huzaimi hopes to see STEM education flourish not only within schools, but as a culture embraced by communities. He envisions a future where more students are drawn to science and mathematics—building a generation of dynamic talent equipped to drive the nation’s progress.



COMMUNITY WELL-BEING & DEVELOPMENT

UPLIFTING LIVES

Strong communities are built over time—through access to opportunities and the ability to sustain them. In 2025, the Foundation continued to work alongside communities and partners to support more stable livelihoods, build community resilience and improve access to essential services, while also recognising that meaningful progress and change require time and local ownership.

Our Community Well-being & Development efforts are guided by two approaches: the **community-based approach (CBA)**, which emphasises community involvement and shared ownership in programme implementation, and **broad-based health interventions**, which strengthen access and continuity within community health systems.

Programmes such as *Memperkasakan Kesejahteraan Rakyat* (MEKAR) are designed and delivered within a CBA framework, addressing structural constraints through structured engagement and evidence-led interventions, underpinned by the Theory of Change (TOC), which guides how programmes are designed, implemented and assessed over the longer term.

COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

Strengthening Economic Self-Sufficiency

MEKAR supported over 1,800 individuals and businesses in 2025 through skills training, certification and market-readiness pathways in Malaysia.

Under the MEKAR umbrella, the MEKAR Skills Training & Entrepreneurship Development programme serves as a platform for community-based economic empowerment, delivering structured skills development and enterprise readiness across Malaysia.

- Across the East Coast, 51 graduates completed the MEKAR Skills Training & Entrepreneurship Development programme, bringing cumulative participation to 1,400 entrepreneurs. In the Northern Region, 32 participants in Perak graduated in July 2025.
- In Johor, the MEKAR Batu Pahat programme concluded in early 2025, with 113 participants graduating from the programme.

Program Digital Alaf Baru complemented these efforts through two pathways. Under the microentrepreneur track, 30 participants received digital and business training, including mentoring support. Under the career track, 29 participants completed digital skills training, with 86% currently employed in digital-related fields.



Expanding Opportunity Pathways

In 2025, youth and microenterprise programmes engaged more than 900 individuals, supporting early-stage participation, digital adoption and income growth.

In Sabah, the *Bisnes Orang Muda* initiative reached 543 youths, with 50 young entrepreneurs supported through coaching and workshops. The cohort recorded a 25% increase in cumulative quarterly sales compared to their starting point.

The BeSEMART programme strengthened entrepreneurship capability among microentrepreneurs, with 103 participants completing the programme in 2025. Many transitioned to digital point-of-sale systems, with 87% recording profit margin improvements. Expansion to Kelantan is scheduled for early 2026, subject to local readiness.

Under the MEKAR Entrepreneurship Scale-up pathway, 140 entrepreneurs finalised brand identities and submitted documentation for registration with the Intellectual Property Corporation of Malaysia (MyIPO). A further 143 graduates secured early market exposure through large-scale public and retail platforms, including 26 vendors at *Karnival Jom Heboh* Penang and placements within *Kedai Mesra* outlets and the Twin Towers Gift Shop.



COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

Supporting Sustainable Enterprise

Targeted enterprise support enabled a welfare home to establish a viable income-generating operation.

The Uplifting Lives Home initiative supports vulnerable communities in developing income-generating activities to facilitate long-term self-sufficiency in welfare homes. In Terengganu, the CAKNA *Chili Boh* Programme concluded in 2025, transitioning a welfare home into a self-sustaining community. The initiative benefited 65 residents, supported by four training programmes and gradual market access to their products across the state.

During the year, the community also expanded its production capacity to 120 kilograms of *chili boh* per week from 100 kilograms previously. Further improvements, including solar energy and logistics support, are planned to strengthen operational continuity.



Community Support During Festive Periods

The Uplifting Lives Festive programme, delivered in collaboration with PETRONAS' regional offices and the Department of Social Welfare (JKM), reached 11,850 families in 2025. The programme was implemented based on local distribution networks so that support reached communities in a timely manner.

Where possible, festive food items were sourced from MEKAR participants. Since 2019, Uplifting Lives Festive has reached more than 60,000 families in Malaysia.



COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

**Addressing Health Access**

Health initiatives supported more than 750 patients and cases in 2025 through clinical care, navigation services and maternal health programmes.

During the year, The Initiative for Precision Medicine in Paediatric Cancer Therapy (IMPACT) provided assistance to 208 cases through diagnostic services such as minimal residual disease services and data analysis to inform clinical decisions. Improvements in waiting times were observed, alongside the development of awareness materials.

The Navigation, Outreach & Resource Access (NORA) programme addressed barriers to cancer care by guiding patients through diagnosis and treatment nationwide, while improving access to essential support that enables better health outcomes. Between January and June 2025, the programme supported 457 patients in accessing cancer care. Partnerships with hospitals (six in Sabah and three in Sarawak) were expanded through nine memoranda of understanding (MOUs) to support broader access and better guide patients from diagnosis through treatment, while also helping to overcome financial, logistical and emotional barriers.

In Sabah, the Pre- and Post-Natal Care Programme reached 94 women, supporting both maternal health and livelihood opportunities. The SHAPE initiative in Sabah helped address logistical barriers to healthcare by providing transportation for 360 underserved patients with chronic conditions.

These efforts contribute to a wider system of care, recognising that sustained health outcomes depend on coordination across providers and communities.



COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

**Securing Basic Needs**

Clean water initiatives improved access for more than 250 individuals in 2025, with additional rural infrastructure projects progressing towards completion.

In Kampung Tinata Ulu, Sabah, the Clean Water Project was completed in 2025, benefiting 250 individuals across 40 households. The programme combined clean water access with complementary activities such as sustainable farming to strengthen food security and improved livelihoods.

In Pitas, Sabah, the clean water initiative continued across five villages, with key components including pond enlargement and water system works progressing towards completion in 2025. While the enhancements were completed during the year, continued monitoring and community engagement will be key to ensure long-term sustainability.

In Sarawak, clean water access was provided to 71 households across Kampung Lakutan, Lawas, and Kampung Yoh, Bintulu, through gravity-fed and tubewell systems.

**Building Stronger Communities**

Our Community Well-being & Development efforts in 2025 reflect a continued focus on supporting individuals and communities in ways that are practical, inclusive and sustainable. Long-term outcomes and progress will depend on the participation and the ability of communities to shape and carry forward these initiatives over time.



COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

IMPACT STORIES



“Growing up in Terengganu made me want to keep our *batik* heritage alive. I wanted to find a way for it to continue being part of everyday life, instead of becoming irrelevant.”

Story 1 – Mur Azira Mohd Pakri (Azira de Gallery)
Reviving Heritage, Inspiring Lives

Mur Azira Binti Mohd Pakri founded Azira de Gallery in 2017 with a clear purpose: to ensure Terengganu's *batik* heritage endures while staying relevant in a rapidly changing world.

Rather than limiting *batik* to traditional garments, Mur Azira explored ways to adapt it, reimagining the craft into everyday items such as bags, accessories and lifestyle products. Each creation reflects a careful balance between tradition and modern design to meet evolving consumer preferences.

“Growing up in Terengganu made me want to keep our *batik* heritage alive,” she shares. “I wanted to find a way for it to continue being part of everyday life, instead of (*batik*) becoming irrelevant.”

Through the MEKAR programme, Mur Azira received support in areas such as market access and networking, giving her the confidence to scale her business.

As her business grew, so did her sense of responsibility to others. She began working more closely with other artisans, creating a small network where skills and ideas could be shared. Today, this initiative supports 17 local artisans, providing a source of income while continuing to sustain their craft.

Her journey reflects how small, consistent steps—supported by the right opportunities—can contribute to preserving cultural heritage while supporting livelihoods.

COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

IMPACT STORIES



**“It feels like seeing
something through after
many years of trying.”**

**Story 2 – Aida Yuhaini Binti Yusoff (Famous Famia)
From Craft to Continuity**

Aida Yuhaini Binti Yusoff's foray into entrepreneurship was shaped by persistence and adaptation.

Based in Sungai Petani, Kedah, she explored several businesses before finding her direction in handicrafts. Through her venture, Famous Famia, she began producing decorative items inspired by Malaysian food culture—using soap-based materials.

When health-related challenges prevented her from continuing with her initial materials, Aida worked with her husband to explore alternatives. After a year of trial and error, they identified corn flour as a suitable substitute—allowing her to continue developing her craft in a new way.

Affordable, durable and easy to shape, corn flour became the foundation of her craft business. From it, Aida created intricate miniature designs inspired by traditional Malaysian cuisine, including *nasi lemak*, *laksa* and an assortment of *kuih*. Each piece serves as a cultural touchpoint and a unique way to celebrate the country's culinary traditions.

Aida registered her business with *Kraftangan Malaysia* in 2019 and gradually expanded her reach through online platforms. During the COVID-19 pandemic, she adapted her approach to focus on digital sales before returning to in-person events.

Today, her products are available at selected retail outlets, including PETRONAS Gift Shops at the PETRONAS Twin Towers—a milestone that fulfils a dream she first set for herself in 2019.

“It feels like seeing something through after many years of trying,” Aida shares.

Her journey is a testament to the resilience and innovation required to build a successful creative enterprise. It also demonstrates how determination and learning can help individuals navigate challenges over time.

COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES

IMPACT STORIES



Driven by creativity and determination, Mariah gradually transformed her traditional sewing expertise into functional, contemporary products that blend cultural heritage with modern practicality.

Story 3 – Mariah Binti Othman (Umami Maa Resources) **Every End is a New Beginning**

What began as an unexpected career change evolved into a journey of creativity, resilience and growth for Mariah Binti Othman, founder of Umami Maa Resources.

When her employment contract came to an end, Mariah turned to her sewing skills to support her family. Working from home, she began crafting simple bento bags using authentic Kelantan *batik*, drawing on traditional techniques passed down through generations.

Driven by creativity and determination, Mariah gradually transformed her traditional sewing expertise into functional, contemporary products that blend cultural heritage with modern practicality. Customers were drawn to the quality and cultural value of her handcrafted pieces. And as demand grew, she expanded her offerings to include customised and premium items such as tote bags, bucket hats, tumbler bags and drawstring bags, laying the foundation for a sustainable business.

Her progress was further strengthened through the MEKAR programme, which equipped her with practical business skills and opened doors to major events for networking and market exposure. With growing confidence, Mariah began setting clear sales targets and exploring opportunities beyond her home state.

Today, her products are featured at the PETRONAS Twin Towers gift shop, while she continues to bring benefit to the wider community via her talents. Through Umami Maa Resources, Mariah supports sewing classes in Pasir Mas, equipping young people with practical skills while promoting high standards of craftsmanship rooted in Kelantan's *batik* tradition.

By combining purpose with business acumen, Mariah demonstrates how traditional crafts can drive both economic and social progress. Her journey is a reminder that even in moments of uncertainty, new beginnings can emerge—carrying the potential for lasting and meaningful impact.



ENVIRONMENT

PLANTING TOMORROW

Environmental and community resilience are closely interconnected. In 2025, Yayasan PETRONAS continued to work alongside partners and communities to support forest and ecosystem rehabilitation, while strengthening local communities' capacity to respond to climate-related risks. These efforts were guided by nature-based solutions (NbS) and community-based disaster risk management (CBDRM), recognising that long-term resilience requires both healthy ecosystems and prepared communities.

Efforts in 2025 focused on supporting rehabilitation across priority forest landscapes through structured planning, phased implementation and ongoing site monitoring.

Rehabilitating Forest Systems at Scale

The One Million Trees (OMT) programme applies NbS approaches to rehabilitate degraded and at-risk landscapes, while contributing to environmental stability over time. Implementation is carried out in partnership with Universiti Teknologi PETRONAS (UTP), Universiti Malaya, *Pertubuhan Sahabat Hutan Bakau Pulau Tanjung Surat* and the Sabah Forestry Department.

During the year, restoration activities progressed across sites in Perak, Johor and Sabah. A total of 107,600 trees were planted, with additional land secured to support a further 165,000 trees.

Tree survivability remained stable as at December 2025 in Kungkular Forest Reserve, Sabah, and Sungai Santi Forest Reserve, Johor, supported by the use of native species and site-specific management.

At UTP, custodianship of restored areas was formally transferred to the university in 2025, embedding long-term responsibility for monitoring and upkeep.

Tree Survivability Rate

96% — Kungkular Forest Reserve, Sabah

86% — Sungai Santi Forest Reserve, Johor

ENVIRONMENT: PLANTING TOMORROW

**Strengthening Coastal & Marine Habitats**

In 2025, marine-focused efforts centred on bolstering the technical and ecological understanding needed to support the longer-term protection and conservation of seagrass ecosystems.

Following the identification of seagrass protection as a priority area, a Seagrass Mapping and Community-based Programme was implemented in collaboration with the Department of Fisheries and Sabah Biodiversity Centre as strategic partners, alongside Universiti Putra Malaysia, Universiti Malaya and Universiti Malaysia Sabah as research and implementation partners.

To date, some 1,846 hectares of shallow-water seagrass habitats have been mapped across Negeri Sembilan, Melaka and the west coast of Sabah, including Labuan. These activities provide baseline information to support future monitoring and management of the ecosystem.

Our work in seagrass mapping and baseline information includes:

- Species identification
- Seagrass coverage assessment
- Carbon stock
- Biodiversity

Recognising that seagrass protection depends on continued engagement and stewardship, the initiative incorporates communication, education and public awareness (CEPA) elements.

Multiple CEPA activities engaged 149 community members through outreach, co-developed seagrass learning modules and pilot transplanting activities, helping to build early awareness and stewardship towards supporting longer-term conservation planning.



ENVIRONMENT: PLANTING TOMORROW

Environmental education initiatives in 2025 focused on building practical understanding through experience and continued engagement.

Embedding Environmental Awareness

At UTP, efforts under the OMT programme included the completion and handover of a 950-metre *Warisan Hijau* trail within a freshwater swamp forest in Kinta Tengah. Developed in collaboration with the Forest Research Institute of Malaysia (FRIM), the trail supports the conservation of native Dipterocarp species and wildlife while providing opportunities for learning and public engagement.

To support its continued use, 23 UTP staff and students were trained in interpretive guiding and trail maintenance.

The Environmental Education at Schools initiative was introduced using a “living lab” approach, centred on regenerative planting—a method that eliminates the use of chemical fertiliser, relying instead on natural plant cycles—as well as composting to restore soil health and improve biodiversity.

Following pilot workshops, implementation began at SMK Tun Telanai, Terengganu, where the living lab remained operational despite flood events later in the year, demonstrating that regenerative planting method fosters an environment that can withstand natural disturbances such as flooding. The initiative was subsequently launched at the national level in October 2025.

To support continuity, the first of four Environmental Education Guidebooks was developed and distributed in 2025.

In parallel, the Eco-Schools Terengganu Programme continued across 50 schools, reaching approximately 1,270 students, teachers and administrators during the year. Participating schools implemented practical initiatives such as permaculture gardens and rainwater harvesting systems, integrating environmental practices into daily school activities.



The 50 schools also completed structured action planning and thematic interventions covering energy use, water conservation, waste management, sustainable transport, food systems and procurement.

In 2025, Kolej Vokasional Wakaf Tembesu became the first vocational college in Malaysia to receive the Green Flag Eco-Schools recognition, marking progress towards internationally recognised sustainability standards.

ENVIRONMENT: PLANTING TOMORROW

NbS continued to provide a practical basis for supporting climate adaptation at the local level in 2025.

Applying NbS for Climate Adaptation

NbS continued to provide a practical basis for supporting climate adaptation at the local level in 2025.

In Batu Pahat, Johor, a two-year programme implemented through a grant supported the development of a climate adaptation framework grounded in nature-based approaches. The framework was developed through technical assessments, pilot NbS interventions at two sites and stakeholder engagement, with the completed framework handed over to local councils to support future planning.

During the year, Yayasan PETRONAS also supported a Building with Nature (BwN) initiative to support community-based coastal protection and mangrove restoration. The work in 2025 was on preparatory activities, including technical studies and site assessments, alongside early-stage community engagement. These efforts are part of a broader process that will require continued collaboration as implementation progresses.

Developing Environmental Preparedness & Response

Efforts in 2025 continued to support community preparedness, response and recovery through CBDRM.

Ahead of the northeast monsoon, 19,100 care packages and refurbishment support were channelled in stages to JKM depots in Perak and Sabah, in collaboration with the National Disaster Management Agency (NADMA). This helped facilitate timely support at temporary relief centres.



Support was also extended to emergency responders, including the provision of 150 life jackets to *Angkatan Pertahanan Awam Malaysia (APM) Wilayah Persekutuan*.

ENVIRONMENT: PLANTING TOMORROW

Post-disaster efforts were focused on supporting recovery, including:

- Assistance to affected public amenities at four *TABIKA KEMAS* facilities in Johor and Kampung Sungai Jerneh in Lubok China, Melaka;
- Cashless contributions to Putra Heights fire-affected communities and flood-impacted areas in Sabah; and
- Contribution to the GLC Demi Rakyat dan Negara (GDRN) initiative, where 1,100 Bantu Family Kits comprising essential household items were distributed to affected families in Sarawak and Johor.

Meanwhile, a community-based flood preparedness programme was implemented across 20 villages in Kuala Lumpur, Selangor, Negeri Sembilan and Perak.

Communities led local hazard identification and developed five community-based flood hazard maps (CBFHM) across four flood-prone states, which were handed over to support ongoing use in preparedness planning.

Targeted initiatives in 2025 supported biodiversity monitoring and conservation efforts across terrestrial and marine ecosystems.

Supporting Biodiversity Protection

Support to Persatuan Pelindung Harimau Malaysia (RIMAU) enabled the procurement of monitoring equipment in the Bintang Hijau Forest Reserve Complex, Hulu Perak, contributing to patrol and data collection efforts in an effort to deter poaching activities.

Additional efforts included supporting Universiti Malaysia Terengganu (UMT) in establishing a Stingless Bee Garden and contributing to mangrove planting activities in Labuan through the ALAM Be-Leaf Programme, where 350 individuals, including youth, planted 1,122 mangrove trees at the Kina Benuwa Mangrove Ecology Park in an effort to support coastal restoration while strengthening community resilience and local livelihoods.



Building Environmental Resilience

Overall, our environmental efforts in 2025 reflect a continued commitment to working with partners and communities in supporting ecosystem restoration, science-based implementation and strengthening local capability.

While progress has been made, we recognise that environmental stewardship is a shared and ongoing responsibility. Sustained outcomes will depend on continued collaboration, consistent implementation and community participation.



ENVIRONMENT: PLANTING TOMORROW

IMPACT STORIES



“We are hopeful that the seagrass we have planted will bring back more fish, crabs and prawns to our waters. This effort has shown me why protecting seagrass is important, and I’m committed to caring for it for the long term.”

Story 1 – Hj Jelin Bin Hj Laidin

Protecting Seagrass, Supporting Livelihoods

As the head of Kampung Penimbawan, Hj Jelin bin Hj Laidin has long carried the responsibility of protecting his community's well-being. With nearly 70% of villagers relying on fishing for their livelihoods, the health of the surrounding marine ecosystem is closely tied to daily survival. However, he began to notice a troubling decline in marine life.

This was due to the gradual loss of seagrass, a critical nursery ground for fish, crabs, prawns and other marine species that had gone largely unnoticed. Without it, spawning grounds disappeared and fish stocks dwindled. What began as an environmental concern soon became a direct threat to household incomes and the community's way of life.

Recognising the urgency of the situation, Universiti Malaysia Sabah (UMS), the Sabah Biodiversity Centre (SaBC) and Yayasan PETRONAS worked to address the problem. Through this collaboration, villagers were equipped with the knowledge and skills needed to restore and protect seagrass habitats, turning a story of loss into a symbol of renewal and hope.

Seagrass was planted in the waters around Kampung Penimbawan in 2025, marking the beginning of a long-term restoration effort. Its growth and health will be monitored through to the end of 2026 to track potential ecological recovery. As the habitat strengthens, community members hope this will support the return of marine life, enhance local livelihoods and food security.

“We are hopeful that the seagrass we have planted will bring back more fish, crabs and prawns to our waters,” says Hj Jelin. “This effort has shown me why protecting seagrass is important, and I’m committed to caring for it for the long term”.

Through shared effort and renewed awareness, Kampung Penimbawan is taking active steps to restore what was once quietly lost. Their journey shows how protecting nature is not only about conserving the environment, but also about safeguarding livelihoods and securing a more resilient future for the community.

ENVIRONMENT: PLANTING TOMORROW

IMPACT STORIES



“The choice was not without challenges. Some questioned his stance, even mocking him for turning down financial gains. Yet he remained resolute. To him, safeguarding these waters was essential not only for marine life, but also for sustaining the livelihoods of local fishermen.”

Story 2 – *Cikgu Samion @ Simon Bin Lungan* **Guardians of the Coast**

For *Cikgu Samion @ Simon Bin Lungan*, protecting his village has always meant protecting the sea.

A former Headmaster of SK Ambong and the head of Kampung Koduko, a coastal village overlooking the South China Sea, he has long believed that the well-being of his community is closely tied to the health of the marine ecosystem it neighbours.

More than a decade ago, he attended a marine conservation workshop organised by UMS where he learned about the vital role that coral reefs and seagrass play as nursery grounds for marine life. The experience left a lasting impression.

Back home in Kampung Koduko, developers were exploring the coastline’s potential. While some saw opportunity, *Cikgu Samion* recognised what could be lost. He made a firm decision to reject the project and protect the village’s sensitive coastal areas.

The choice was not without challenges. Some questioned his stance, even mocking him for turning down financial gains. Yet he remained resolute. To him, safeguarding the seagrass meadows of Kampung Koduko was essential not only for marine life, but also for sustaining the livelihoods of local fishermen—the lifeblood of the community.

Thanks in part to *Cikgu Samion*’s dedication, seagrass planting and transplanting activities were carried out to restore the habitat. This achievement would not have been possible without the support of UMS, who provided the scientific expertise underpinning his efforts.

Today, Kampung Koduko stands as a community that chose preservation over short-term gain. Through steady leadership and long-term thinking, *Cikgu Samion* has helped safeguard not only the marine environment, but also the livelihoods and future of his village.

OUR NETWORKS



GLC Demi Rakyat dan Negara

Yayasan PETRONAS is an active member of GLC Demi Rakyat dan Negara (GDRN), a coalition of the philanthropic and corporate responsibility arms of government-linked companies and government-linked investment companies in Malaysia. Established in 2013 to coordinate humanitarian efforts and assistance, GDRN has since expanded its scope to drive more holistic social impact efforts in Malaysia through three focus areas, namely education, community well-being and humanitarian aid. Yayasan Hasanah and Yayasan Telekom Malaysia (TM) are currently the joint secretariat of GDRN.

The network emphasises effective communication and collaboration to deliver assistance and direct aid where it is needed most, reaching as many people as possible. As part of the GDRN network, we delivered a total of 20,200 care packages in 2025 to households impacted by floods.



Asian Venture Philanthropy Network

Yayasan PETRONAS is a member of the Asian Venture Philanthropy Network, a Singapore-based social investment network committed to creating positive impact across Asia by increasing the flow of capital to the region and ensuring the resources are effectively deployed. This membership allows us to learn from and collaborate with a diverse range of philanthropic organisations, leveraging collective expertise to enhance the impact of our initiatives in Malaysia.



Human Resource Development Corporation

During National Training Week 2025, Yayasan PETRONAS collaborated with the Human Resource Development Corporation (HRDC) and other foundations to deliver a dedicated NGO track focused on capability building. Through this collaboration, a series of targeted modules were delivered to strengthen organisational capabilities in areas such as project management, stakeholder engagement and impact measurement, contributing to the professionalisation and long-term sustainability of the sector.

**RM6.41
million**

in support of GDRN

**RM10.92
million**

to GDRN since 2021

OUR PARTNERS

Stronger Together

The progress achieved in 2025 reflects the strength of our partnerships. Through close collaboration with government ministries, implementation partners, PETRONAS entities and community stakeholders, we align resources, expertise and network to deliver meaningful, long-term impact. Anchored by Yayasan PETRONAS' three pillars—Education, Community Well-being & Development, and Environment—these partnerships ensure our efforts remain focused, inclusive and impactful. Together, they are central to building stronger, more resilient communities across Malaysia.



Jabatan
KEBAJIKAN
Masyarakat



Grant recipients





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