



**Impacting
Lives**

**Shaping
A Better
Tomorrow**



Impacting Lives, Shaping a Better Tomorrow

At Yayasan PETRONAS, our mission is to create lasting, positive change through our three pillars: Education, Community Well-being & Development, and Environment. This year's Annual Report theme - Impacting Lives, Shaping a Better Tomorrow reflects the tangible outcomes of our targeted initiatives, guided by the Theory of Change framework to ensure meaningful and sustainable impact in communities across the nation. Through strategic programmes and partnerships, we empower communities, drive socioeconomic progress, and protect the environment. With each initiative, we move closer to a stronger and more sustainable future where shared success is a reality for all Malaysians.

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About Yayasan PETRONAS

Yayasan PETRONAS is the social impact arm of PETRONAS. Our mission is to drive sustainable and meaningful change across Malaysia through strategic interventions that improve well-being and ensure shared success.

Focus Areas and Objectives

Our commitment to socioeconomic progress expands PETRONAS' efforts in three key areas: Education, Community Well-being & Development, and Environment.

Objectives

Provide resources and training to advance the development of human capital in Malaysia, equipping students and teachers in underserved areas to close the skills gap and build a future-ready workforce.

Create pathways to long-term socioeconomic growth and well-being through targeted initiatives in business and financial literacy, healthcare, safety and basic infrastructure access throughout rural communities in Malaysia.

Promote the preservation of Malaysia's natural environment by identifying and implementing nature-based solutions, including research and conservation programmes.

Goals

Promote high quality Science, Technology, Engineering and Mathematics (STEM) education and inclusive education support while contributing towards a national STEM enrolment ratio of 60:40.



EDUCATION
Powering Knowledge

Establish more economic opportunities and improve living standards for underprivileged communities, enhance youth employability, and access to high-quality medical care.



COMMUNITY WELL-BEING & DEVELOPMENT
Uplifting Lives

Increase the resilience of communities vulnerable to climate challenges while reducing year-on-year environmental impact.



ENVIRONMENT
Planting Tomorrow

Chairman's Message



Systemic change demands more than charitable support. It requires collaborative, long-term interventions that address the root causes of social and environmental concerns.

Tan Sri Mohd Bakke Salleh
Chairman
Yayasan PETRONAS

Yayasan PETRONAS

Highlights for 2024



RM271 million
disbursed through our various
initiatives since 2019



Touched the lives of more than
608,800 beneficiaries
since 2019

In a time of global uncertainties and escalating climate risks, the need for inclusive and sustainable development has never been greater. While progress has lifted many out of poverty, challenges persist in income inequality, environmental vulnerability and access to quality education, among other key areas.

We recognise that systemic change demands more than charitable support. It requires collaborative, long-term interventions that address the root causes of social and environmental concerns. To this end, Yayasan PETRONAS has adopted the Theory of Change (TOC) framework across our three core pillars of **Education, Community Well-being & Development, and Environment**.

This data-driven approach informs our decision-making and unlocks a more evidence-based means of measuring impact, empowering more purposeful collaboration with our key stakeholders and partner organisations. Yet, while our approach has evolved, our commitment remains strong, supporting better socio-economic outcomes and shared success for communities across the nation.

During the year in review, we made significant progress in advancing Malaysia's human capital. A highlight was the expansion of Program Duta Guru (PDG) through which we strive to ensure that educators have the STEM teaching capabilities and resources to nurture future-ready learners, subsequently promoting high-quality STEM education and inclusive education support for Malaysians.

At the same time, our Community Well-being programmes continue to prioritise capacity-building and economic self-sufficiency in underprivileged communities. We aim to uplift communities, enabling them to achieve their full potential. This holistic approach is further strengthened by targeted healthcare interventions, designed to bridge gaps in medical care and ensure equitable access to essential health services.

In our Environment initiatives, Yayasan PETRONAS supports ecological and community resilience in the face of climate challenges. We are identifying critical areas for community preparedness and disaster relief programmes. By doing so, we strive to adapt, improve, and mitigate these impacts with precision. These integrated efforts underscore the dedication to fostering resilience and sustainability, ensuring a safer and greener future for all.



Together, we will continue to uplift communities and create lasting change, ensuring that “Where Good Flourishes,” so too does opportunity and hope for all Malaysians.

Moving forward, Yayasan PETRONAS will continue to broaden our scope across our three pillars while remaining committed to transparency, accountability and measurable outcomes. We will explore new opportunities to deliver positive change while ensuring our interventions align with national policy. As ever, our work will be guided by our principles of **Value Creation, Sustainable Impact, Innovative Solutions and Effective Partnerships and Collaboration**.

On behalf of the Board of Trustees, I am proud of the praiseworthy achievements of Yayasan PETRONAS as the social impact arm of PETRONAS. Collaboration is essential to our mission in delivering positive and sustainable impact on the well-being of society across the nation, and I am deeply grateful for the commitments and contributions from all parties involved. As we commence another year of meaningful work, I extend my heartiest appreciation for the unwavering support of our partners and stakeholders.

Together, we will continue to uplift communities and create lasting change, ensuring that **“Where Good Flourishes,”** so too does opportunity and hope for all Malaysians.

Thank you.

CEO's Reflections



With the Theory of Change (TOC) framework as our guiding strategy, we now have a clear roadmap for sustainable, targeted, and measurable impact, backed by a data-driven approach. This foundation positions us to address society's most pressing needs while expanding economic opportunities that drive national progress.

Hajah Shariah Nelly Francis
Chief Executive Officer
Yayasan PETRONAS

Yayasan PETRONAS

Highlights for 2024



Established
**4 STEM
Hubs** in Teacher
Activity Centre under
Program Duta Guru



Over **1,400
participants**
graduated from the
MEKAR Skills and
Entrepreneurship
programme in Northern
& Eastern Region



6 Communities
planted over
**10,000
trees** under One Million
Trees initiative

Dear Stakeholders,

2024 marked a significant milestone on our journey of social impact, as we implemented our Theory of Change (TOC) framework to strategically identify and address Malaysia's most pressing socioeconomic and environmental challenges. This framework has since been instrumental in guiding efforts across our three core pillars – Education, Community Well-being & Development, and Environment – enabling us to design and implement holistic, long-term development programmes that maximise positive impact. Under the Education pillar, we have taken a more inclusive approach, building on our long-standing commitment to STEM learning while expanding into Special Education Needs (SEN) to ensure quality education for all students, regardless of background or ability.

Our flagship Program Duta Guru (PDG) has evolved beyond teacher training into a comprehensive support system that strengthens STEM education in schools and local communities. In 2024, we established STEM Hubs, Student Innovation Centres, and Duta Guru funding grants, providing collaborative spaces and financial support to enhance PDG's long-term impact at the school, district, and state levels.

Looking ahead, we look forward to launching the RM8 million Science Labs Enhancement Project, through which PDG will introduce hands-on STEM learning opportunities to inspire and equip students with the skills needed for future success. Additionally, we initiated the Pembimbing Program Duta Guru (PPDG) Leadership Development Programme, which empowers teachers to take on leadership roles as ambassadors of future-ready education.

Meanwhile, we took our first steps into Special Education Needs (SEN) in 2024, seeking to provide transformative learning opportunities to differently-abled students. Through IMPI by Rootin Inisiatif Memperkasa PPKI (Program Pendidikan Khas Integrasi), we conducted workshops with special needs educators and parents, developing a framework for early autism detection and home reinforcement strategies – a key step to better support this underserved group in society.

Beyond education, we have expanded our impact under the Community Well-being & Development pillar, where we continue to focus on economic empowerment, the provision of basic necessities and broad-based healthcare interventions. A key highlight of the year was the graduation of 1,459 participants from the Skills and Entrepreneurship

programmes in Northern & Eastern Region, each of whom are now equipped with essential business skills to sustain and grow their ventures, supporting their long-term financial stability. In parallel, our initiatives in healthcare continue to provide critical resources and targeted support to underserved communities, ensuring that the most vulnerable citizens receive the care they need.

This holistic approach extends to our Environment initiatives, where we combine conservation practices with community awareness and capacity-building programmes through collaborations with local agencies and partners.

Using TOC, we identified a critical gap in seagrass protection – a vital marine ecosystem that supports biodiversity and coastal livelihoods. This led to the launch of the Seagrass Mapping and Community-Based Programme, through which we will work to establish a comprehensive mapping and understanding of seagrass meadows, raise community awareness on its significance to protect and preserve this vital habitat.

Looking beyond conservation, we are also integrating nature-based solutions to enhance climate resilience and disaster readiness for at-risk communities, while driving collective climate action through the One Million Trees (OMT) initiative, which planted over 10,000 trees in 2024.

In total, we invested RM55.27 million in education, community development and environmental conservation initiatives in 2024. This contribution not only delivered direct impact to Malaysians but also created positive multipliers in their families and communities, raising the tide to improve more lives over the long term.

Reflecting on Yayasan PETRONAS' transformative journey over the past six years, we recognise both the progress we have made and the important work that is yet to come. With the TOC framework as our guiding strategy, we now have a clear roadmap for sustainable, targeted, and measurable impact, backed by a data-driven approach. This foundation positions us to address society's most pressing needs while expanding economic opportunities that drive national progress.

Our progress would not be possible without the trust and dedication of our Board, partners, staff and key stakeholders, to whom I extend my deepest gratitude. I am confident that with your ongoing support, Yayasan PETRONAS will continue to contribute even more meaningfully to Malaysia's socioeconomic progress in the years ahead.

Board of Trustees

**Chairman
Tan Sri Mohd Bakke Salleh**



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

Over the course of his thirty-eight year career 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 helped 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 (LSE). He is a Fellow of the Institute of Chartered Accountants in England & Wales (ICAEW) and a member of the Malaysian Institute of Accountants.

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 (UK), Chartered Scientist (UK), and Chartered Water and Environmental Manager (UK). He is a Research Associate at MIT at Imperial College London, Tsukuba and Lund Japan and Research Associate at MIT.

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


 Dr Azura Othman

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

Currently, Dr Azura is the Chief Executive Officer of the Chartered Institute of Islamic Finance Professionals (CIIF), a professional standard setting body for Islamic finance practitioners. She is also a Non-Executive Director of Malaysia Debt Ventures Berhad since 2018 where she chairs the Board Audit Committee. She

is also an Independent Director of CIMB Islamic Bank Berhad. 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 the Nomination and Remuneration Committee.

She was a formerly the Executive Director of PricewaterhouseCoopers Taxation Services, Malaysia with over 19 years of experience as a tax consultant and in engagements relating to Islamic Finance. Among her major assignments include formulating tax incentives for Malaysia as the International Islamic Financial Centre (MIFC). She authored a book in Macroeconomic Policy and Islamic Finance as well as various chapters and articles in Islamic finance.


 Syed Marzidy
Syed Marzuki

Syed Marzidy's journey with PETRONAS began in 2002 when he joined the company as Legal Counsel under PETRONAS Carigali Sdn Bhd (PCSB). He then moved to White Nile (SB) Petroleum Operating Company (WNPOC) in Khartoum, Sudan in 2006 before returning to Malaysia in 2010 to expand his experience in various leadership roles.

Syed Marzidy was formerly the General Counsel for PCSB International and Domestic operations, Petroleum Management Unit (PMU), PETRONAS Chemicals Group Berhad (PCG), Project Delivery and Technology (PD&T), and Corporate Services, apart from being a Legal Resource Person. He has undertaken various Upstream, Downstream, and Corporate projects, notably salvaging PETRONAS rights in light of North Sudan and South Sudan cessation, acquisition of Progress Energy Assets and

subsequently the company itself, the ensuing divestments to partners, renegotiation of joint venture arrangement with Mitsubishi for PC Aromatics, motorsports, and many others.

He was also the Head of Board Governance in Group Secretarial and Board Governance before he was appointed as General Counsel of Legal New Energy. Syed Marzidy is currently the Senior General Counsel of Legal Gas & New Energy and was a former Deputy Public Prosecutor and Senior Federal Counsel of the Attorney General Chambers.

Syed Marzidy graduated with a Bachelor of Laws from University of Malaya and holds a Master of Laws from University of Southampton, United Kingdom.

Siti Azlina Abd Latif



With a career spanning over 25 years, Siti Azlina has held various positions within the Group. Her most recent role is General Manager of Strategy & Engagement for GSRC. Since taking on the role in 2020, she led the orchestration of SC Strategy to strengthen PETRONAS' brand by upholding credibility and trust with stakeholders amid the challenging geopolitical landscape. She was instrumental in enhancing PETRONAS' agility to proactively address reputation-related issues and crisis communications for the Group. She also spearheaded the establishment of a comprehensive enterprise-level framework and branding for PETRONAS Social Impact Management's three focus areas in alignment with the PETRONAS Sustainability Agenda.

Prior to this, Siti Azlina served as Head of Corporate Affairs & Administration at PETRONAS Chemicals Group Bhd (PCG). She led collaborative stakeholder engagements and strategic communications, including media partnerships to promote thought leadership in solidifying PCG's position as the regional leader in the petrochemical industry. She also played a pivotal role in establishing PETRONAS Service Stations' complementary business, such as the introduction of quick service restaurants, banking facilities, and other offerings during her initial years at PETRONAS Dagangan Bhd (PDB).

Siti Azlina holds a Bachelor of Accounting from University of Portsmouth and Master of Business Administration from Cardiff University United Kingdom. She is also an accredited PR Practitioner by the Chartered Institute of Public Relations (CIPR).

**Tengku Sharizad
Tengku Dahlan**



Tengku Sharizad Tengku Dahlan assumed the position as the Director of the International Science, Technology, and Innovation Centre (ISTIC) under the auspices of UNESCO in June 2020. ISTIC is 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, R&D and technology management and institutional governance, with a primary focus on science and technology industry.

She holds a BSc in Microbiology from the Flinders University of South Australia. Before joining 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 Well-being, Disaster Risk Reduction, Science Policy and Inter-Regional collaborations.

Tengku Shahrizad has held various significant positions in corporate organisations, contributing to their growth and strategic direction. With a strong background in finance, she has been involved in overseeing financial operations, risk management, and ensuring sound financial practices within the organisations she has served.


 A portrait of Zakiah Jaafar, a woman wearing a grey hijab and glasses, smiling. The background is a blurred office setting with teal geometric overlays.

Zakiah Jaafar

Zakiah was the Deputy Secretary-General (Policy) at the Ministry of Finance (MOF). Zakiah joined the public service in 1991 and has spent 28 years of her career life in Economic Planning Unit (EPU) before joining the Ministry of Finance at the end of 2019. While in EPU, she held various portfolios which include macroeconomy framework, knowledge-based economy, and public-sector housing. Whilst at MOF, she oversaw the national budget, tax policy, fiscal management and macroeconomy, and intersperses them with meeting the Sustainable Development Goals (SDGs).

Zakiah Jaafar 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. Throughout her career, Zakiah has been active in various initiatives aimed at improving Malaysia's fiscal policies and institutional reforms. She has been a prominent figure in discussions about the country's economic strategies, such as broadening the revenue base and responding to sovereign credit rating changes.

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


 A portrait of Hajah Shariah Nelly Francis, a woman wearing a blue patterned hijab, smiling. The background is a blurred office setting with teal geometric overlays.

Chief Executive Officer

Hajah Shariah Nelly Francis

Hajah Shariah Nelly has been with PETRONAS for over 28 years where she has held various management positions and key roles in the company. A true leader at heart, she has a passion for working with young minds from all backgrounds and bringing the best out of them.

Prior to this, Hajah Shariah Nelly was the Head of Human Capital Investment, where she was responsible for driving PETRONAS' Education Sponsorship Programme to create a sustainable pipeline of qualified and well-rounded talents of high calibre for the company and nation. In her early years, she has had hands-on experience working on hydrocarbon production-related systems and databases, capability management and data management.

Some of her notable achievements include spearheading the construction project of Maktab Rendah Sains MARA (MRSM) and Asrama Harian Luar Bandar (AHLB) in Sabah and Sarawak to provide the much-needed access to education for children in rural areas. She also played a key role in fostering and sustaining collaborative working relationship and rapport with the federal and state government authorities to support PETRONAS' business needs as well as manage stakeholders' interests.

Hajah Shariah Nelly is supported by a team of managers and executives at Yayasan PETRONAS.

2024 Financial Impact

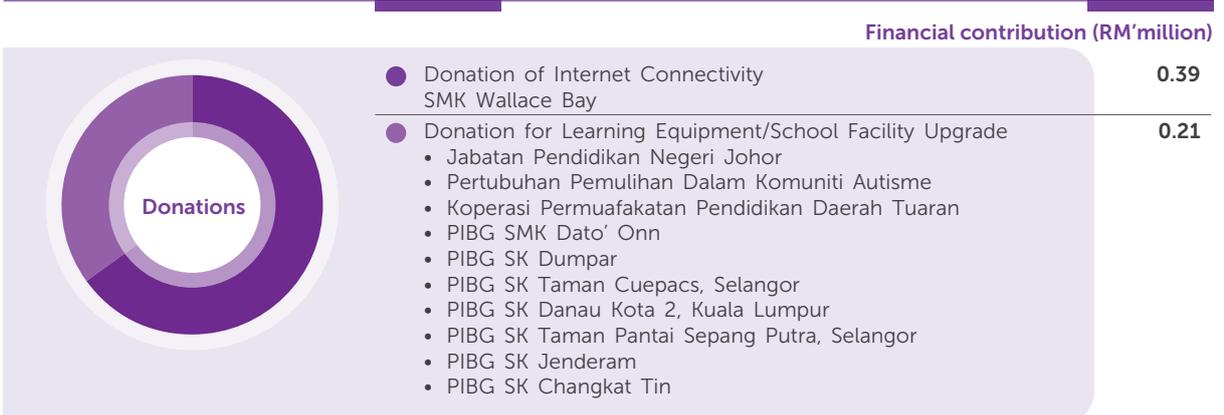
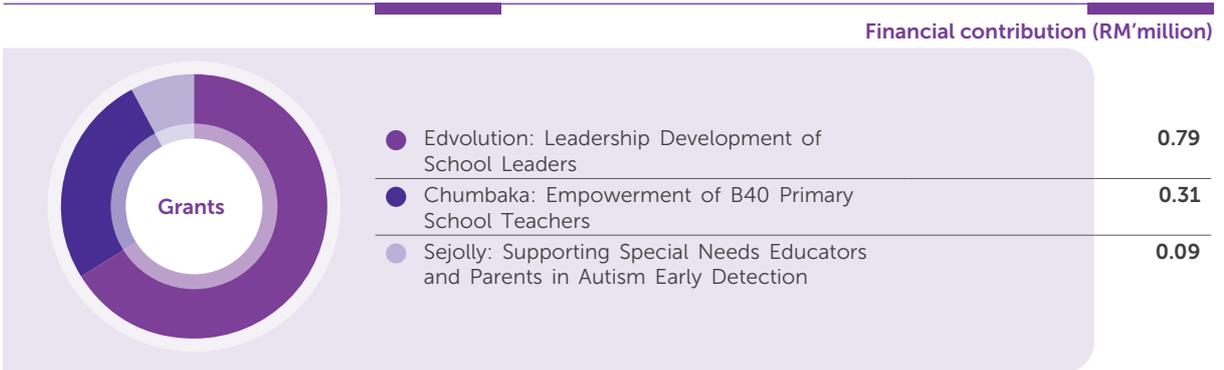
In 2024, we deepened our impact and extended our scope through the implementation of Theory of Change (TOC), reinforcing our commitment to creating positive and sustainable change across Malaysia through education, economic empowerment, and environmental conservation. From expanding STEM and Special Education Needs (SEN) support to scaling community development and disaster resilience initiatives, our efforts were strategically directed to maximise effectiveness and impact, guided by proven needs, strong partnerships and data-driven insights.

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

| | | | |
|---|---|---|--|
| Total Funds Contributed in 2024: | RM55.28 million 84,971 lives impacted | Total Funds Contributed to Date: | RM271 million 608,806 lives impacted |
|---|---|---|--|

Yayasan PETRONAS Key Programmes

EDUCATION: POWERING KNOWLEDGE



COMMUNITY WELL-BEING & DEVELOPMENT: UPLIFTING LIVES**Financial contribution (RM'million)****Financial contribution (RM'million)****Financial contribution (RM'million)**

ENVIRONMENT: PLANTING TOMORROW

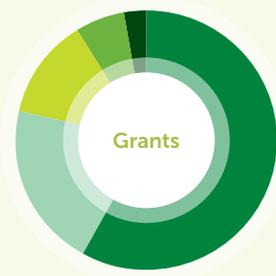


Financial contribution (million)



| | |
|--|-------------|
| ● One Million Trees (OMT) | 2.59 |
| <ul style="list-style-type: none"> • Tree Planting & Nature Trail Development at Universiti Teknologi PETRONAS • OMT at Kungkular Forest Reserve, Sabah • OMT at Tanjung Surat, Johor • OMT at Matang Mangrove Forest Reserve, Perak | |
| ● Seagrass Mapping & Community-Based Programme – Peninsular Malaysia | 0.43 |
| ● Seagrass Mapping & Community-Based Programme – Sabah | 0.27 |

Financial contribution (million)



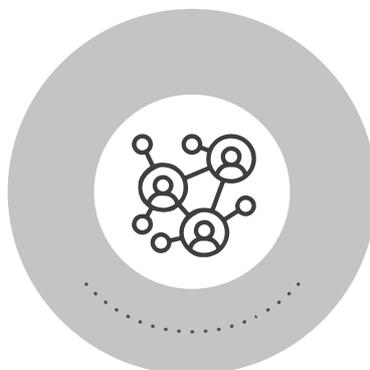
| | |
|--|-------------|
| ● Green Growth Asia Foundation : Eco-Schools Programme | 1.07 |
| ● ThinkCity : Evaluating Nature-based Solutions for Climate Adaptation | 0.38 |
| ● Global Environment Centre : Community Based Disaster Risk Management | 0.23 |
| ● Wetlands International : Community Based Disaster Risk Management | 0.11 |
| ● Others | 0.05 |

Financial contribution (million)



| | |
|--|-------------|
| ● Disaster Relief Contributions | 2.47 |
| ● Post Disaster Contribution for School Refurbishment | 0.11 |
| ● Donation for Biodiversity Monitoring Equipment – RIMAU | 0.22 |

Nationwide Impact



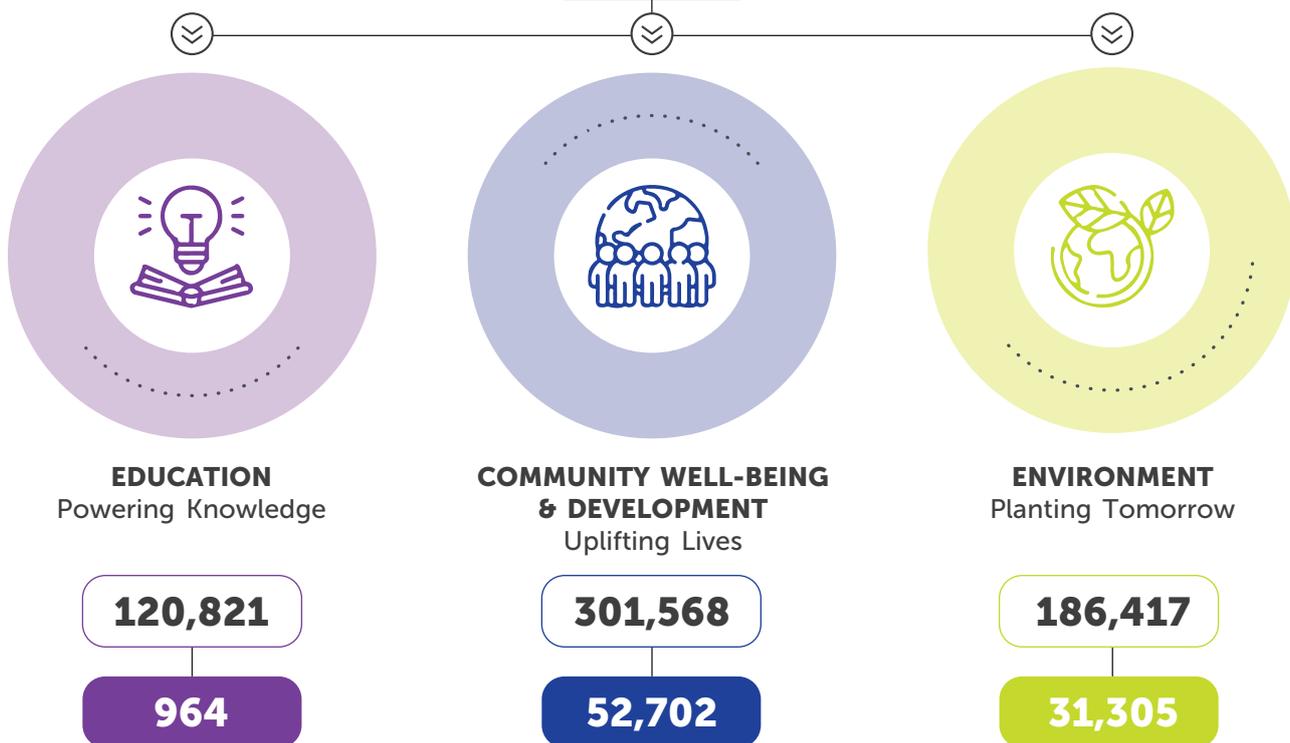
Number of People Impacted

Total (2019 to date):

608,806

Current (2024):

84,971



Yayasan PETRONAS is committed to creating meaningful, long-term impact for communities throughout Malaysia. In 2024, we expanded our reach across the country through targeted initiatives guided by our core pillars of Education, Community Well-Being & Development, and Environment.

This map illustrates the scope of our efforts within Peninsular and East Malaysia, from enhancing learning opportunities and strengthening environmental resilience to improving livelihoods and healthcare access. We positively impacted **84,971 Malaysians** in 2024, helping to shape a more inclusive, sustainable and prosperous future.

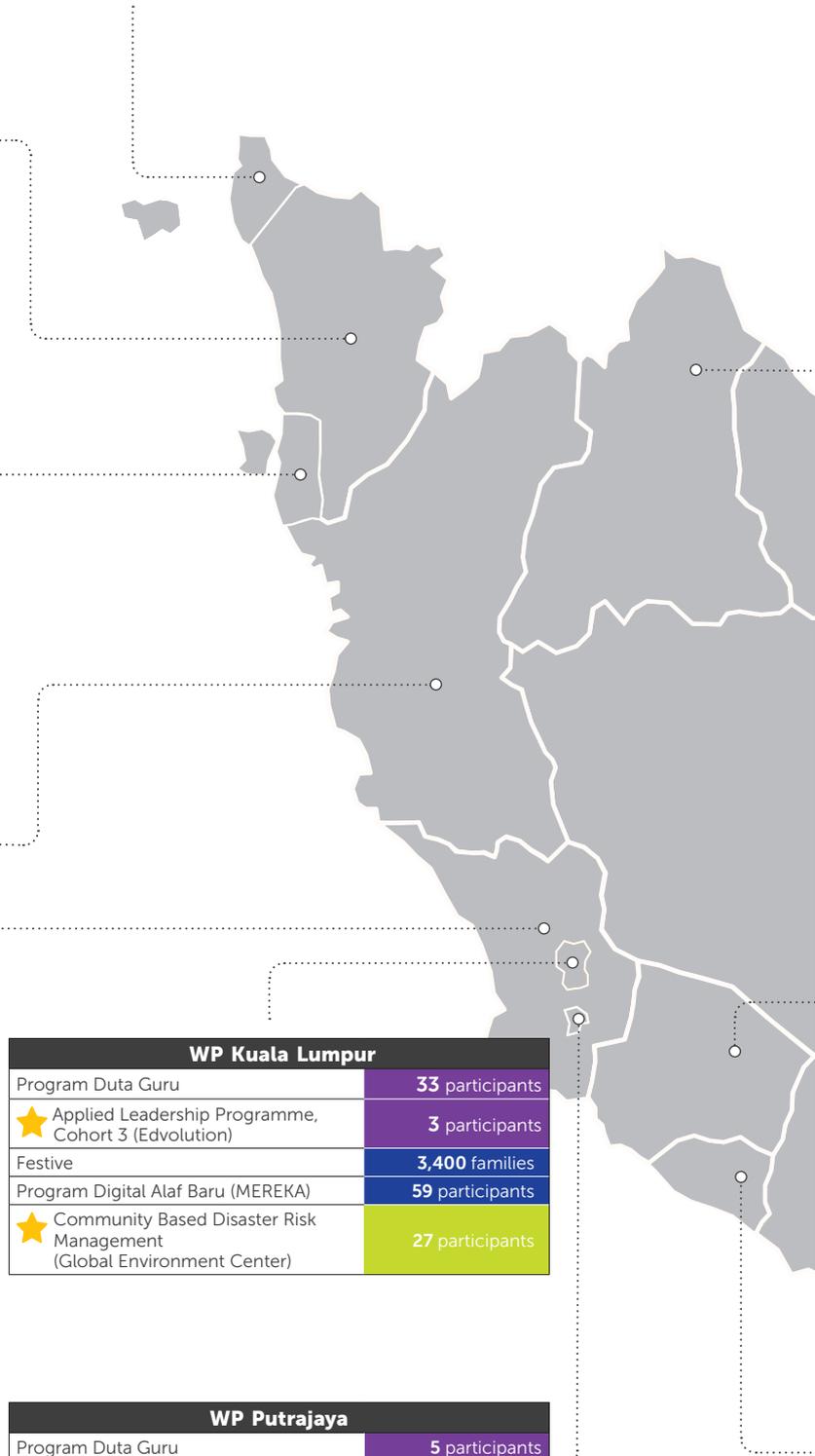
| Kedah | |
|---|--------------------|
| Program Duta Guru | 64 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 4 participants |
| ★ STEM4ALL (Chumbaka) | 22 participants |
| MEKAR | 1,087 participants |
| Festive | 3,400 families |
| Home : Majlis Kebajikan Kanak-Kanak Kedah | 17 individuals |
| BeSEMART (Niagable) | 20 participants |
| Disaster Relief Contribution | 5,200 families |

| Penang | |
|---|-----------------|
| Program Duta Guru | 44 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 1 participant |
| Festive | 2,800 families |

| Perak | |
|---|------------------|
| Program Duta Guru | 78 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 5 participants |
| ★ STEM4ALL (Chumbaka) | 20 participants |
| MEKAR | 400 participants |
| Festive | 3,200 families |
| MyLady (Malaysian AIDS Foundation) | 6 participants |
| One Million Trees Programme : University Teknologi PETRONAS | 36 participants |

| Selangor | |
|--|-----------------|
| Program Duta Guru | 93 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 7 participants |
| Festive | 5,400 families |
| MyLady (Malaysian AIDS Foundation) | 12 participants |
| Disaster Relief Contributions | 2,000 families |
| ★ Community-Based Disaster Risk Management (Global Environment Centre) | 26 participants |

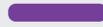
| Perlis | |
|------------------------------------|-----------------|
| Program Duta Guru | 6 participants |
| MEKAR | 10 participants |
| Festive | 1,200 families |
| MyLady (Malaysian AIDS Foundation) | 1 participant |



| WP Kuala Lumpur | |
|--|-----------------|
| Program Duta Guru | 33 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 3 participants |
| Festive | 3,400 families |
| Program Digital Alaf Baru (MEREKA) | 59 participants |
| ★ Community Based Disaster Risk Management (Global Environment Center) | 27 participants |

| WP Putrajaya | |
|---|----------------|
| Program Duta Guru | 5 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 1 participant |

| Kelantan | |
|---|------------------|
| Program Duta Guru | 41 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 6 participants |
| MEKAR | 850 participants |
| MEKAR: Batu Pahat | 113 participants |
| Festive | 2,800 families |
| MyLady (Malaysian AIDS Foundation) | 1 participant |
| Disaster Relief Contribution | 6,000 families |



EMPOWERING KNOWLEDGE : EDUCATION



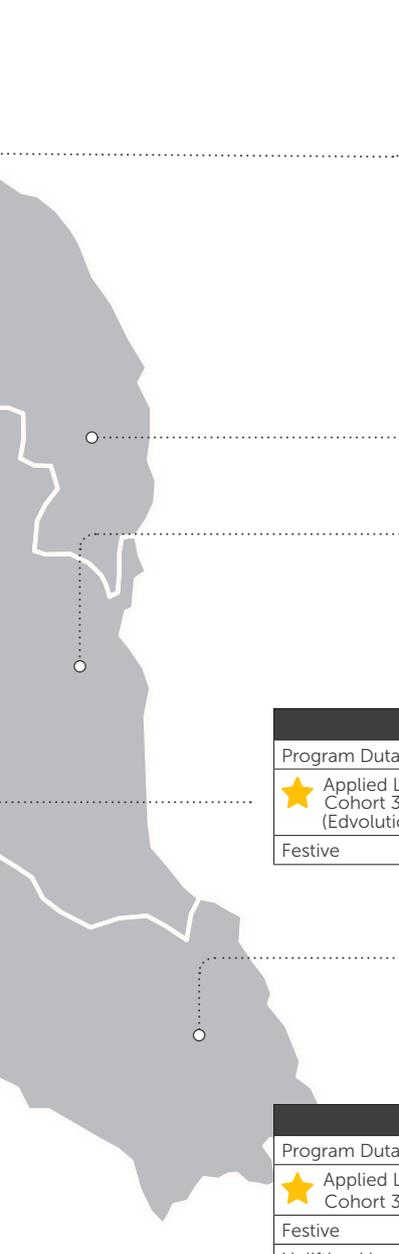
UPLIFTING LIVES : COMMUNITY WELL-BEING & DEVELOPMENT



PLANTING TOMORROW : ENVIRONMENT



GRANT



| Terengganu | |
|--|------------------|
| Program Duta Guru | 49 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 2 participants |
| MEKAR | 330 participants |
| Festive | 2,400 families |
| Home : Komuniti Cakna Terengganu | 65 individuals |
| MyLady (Malaysian AIDS Foundation) | 9 participants |
| Disaster Relief Contribution | 4,000 families |
| ★ Eco-Schools Programme (Green Growth Asia Foundation) | 715 students |

| Pahang | |
|---|------------------|
| Program Duta Guru | 36 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 2 participants |
| MEKAR | 178 participants |
| Festive | 1,800 families |
| MyLady (Malaysian AIDS Foundation) | 3 participants |
| Disaster Relief Contribution | 2,000 families |

| Negeri Sembilan | |
|---|-----------------|
| Program Duta Guru | 24 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 1 participant |
| Festive | 2,400 families |

| Melaka | |
|---|-----------------|
| Program Duta Guru | 26 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 2 participants |
| Festive | 2,400 families |
| Uplifting Lives Disaster Relief | 1,040 families |

| Johor | |
|---|--------------------|
| Program Duta Guru | 102 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 6 participants |
| MEKAR | 182 participants |
| MEKAR: Kluang | 183 participants |
| Festive | 3,200 families |
| MyLady (Malaysian AIDS Foundation) | 3 participants |
| Uplifting Lives Disaster Relief | 2,400 participants |
| ★ Evaluating Nature-Based Solutions For Climate Adaptation In Batu Pahat (Think City) | 168 participants |

WP Labuan

| | |
|-------------------|----------------|
| Program Duta Guru | 9 participants |
| Festive | 1,200 families |

Sarawak

| | |
|---|------------------|
| Program Duta Guru | 102 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 11 participants |
| Festive | 5,800 families |
| Clean Water Project (Yayasan Ikhlas) | 104 families |
| MyLady (Malaysian AIDS Foundation) | 1 participant |
| Disaster Relief Contribution | 2,400 families |

Sabah

| | |
|--|------------------|
| Program Duta Guru | 152 participants |
| ★ Applied Leadership Programme, Cohort 3 (Edvolution) | 6 participants |
| Festive | 6,000 families |
| Home: Rumah Anak Yatim Nur Taqwa | 25 individuals |
| Maternity Care Training (Universiti Teknologi Mara Pulau Pinang) | 56 participants |
| Bisnes Orang Muda Programme (Impact Malaysia) | 543 participants |
| Clean Water Project (Taylor's University) | 250 participants |
| Sabah Health Access Programme (Malaysian AIDS Foundation) | 274 families |
| MyLady (Malaysian AIDS Foundation) | 1 participant |
| Uplifting Lives Disaster Relief | 3,600 families |
| One Million Trees Programme: Tenom, Sabah | 12 participants |
| Disaster Relief Contribution | 1,666 families |

EDUCATION

Powering Knowledge



A nation's future is built in every classroom. In 2024, we deepened our investment in inclusive education by strengthening STEM learning and taking our first steps into Special Education Needs (SEN). From teacher development to hands-on learning facilities, our holistic approach empowers students and educators to thrive in a rapidly changing world.

A nation's future is built on the strength of its education system. At Yayasan PETRONAS, we are committed to cultivating a generation of critical thinkers, problem solvers and innovators by supporting an education ecosystem that empowers educators and students alike.

This approach involves supporting multiple levels of education with a holistic approach — from strengthening teachers' capabilities in delivering effective Science, Technology, Engineering and Mathematics (STEM) classes to venturing into Special Education Needs (SEN) — to ensure that the learning experience is dynamic, inclusive and sustainable. By bridging educational gaps and expanding access to quality learning opportunities, our mission is to ensure that students of all backgrounds have the resources and support they need to thrive, regardless of socio-economic status or learning abilities.

Our initiatives in 2024 reflect a strategic shift beyond individual programme interventions to a comprehensive education support system designed for long-term and sustainable impact. We are continuously exploring ways to extend our reach and ensure that Malaysia's young minds are equipped to flourish in a rapidly changing world.



Education

Strengthening STEM: A Systemic Approach

In building a future-ready workforce, our efforts in STEM education go beyond fostering interest — we are supporting an environment that empowers educators and inspires students to expand their horizons.

We recognise that systemic change requires a sustainable support structure that integrates resource provision, leadership development and hands-on learning opportunities. Guided by the Theory of Change, a strategic framework for social impact programmes, this approach ensures that we address education gaps at every level so that long-term success is sustained beyond the classroom.

Expanding Program Duta Guru: Beyond Teacher Training

Program Duta Guru (PDG), our flagship education programme, aims to strengthen Malaysia's education system by enhancing the skills and confidence of teachers to ensure they can deliver effective and engaging STEM education. A collaboration between Yayasan PETRONAS and the Ministry of Education Malaysia, PDG equips educators with innovative teaching methodologies through a structured 24-month course to foster a culture of curiosity and problem-solving in classrooms nationwide. Having trained 910 teachers since 2020, Duta Gurus are now present in 40% of secondary schools nationwide, serving as catalysts for change in STEM learning.

411
teachers graduated from Cohort 4

865
teachers trained across
Cohorts 4 and 5

801
teachers recruited
for Cohort 6



The programme extends beyond teacher training to provide educators with tangible resources and support. In 2024, we established STEM Hubs in Teacher Activity Centres, or *Pusat Kegiatan Guru* (PKG) in PKG Tanjung Karang (Selangor), PKG Bukit Besar (Terengganu) and PKG Miri (Sarawak) to serve as collaborative spaces for teachers and ensure access to innovative teaching methods and materials. The Duta Guru Funding Initiative offers funding worth up to RM20,000 for PDG graduates to lead high-impact STEM projects in their respective schools, districts and states. Additionally, the Student Innovation Centres (SIC) — also open to RM20,000 funding applications — provide an avenue for student-led STEM activities, building leadership and confidence in young learners.

Recognising the importance of early career exposure, we piloted STEM Career Day in 2024,

connecting students with industry experts and real-world examples to broaden their understanding of STEM professions. The Foundation also contributed RM8 million to enhance science labs at approximately 100 secondary schools in Malaysia, supporting lab assistant training and ensuring that students have access to well-equipped facilities for hands-on experiments.

Beyond secondary schools, we are also encouraging the STEM movement at the primary school level. This year, the STEM4ALL programme has empowered 42 primary school teachers across 21 schools to launch STEM Clubs, providing 421 students with opportunities to explore topics such as digital animation, physical computing and communication skills. The Pembimbing Program Duta Guru (PPDG) Leadership Development programme trained 57 district education officers in 2024, who in turn coached teacher leaders across 101 schools. Collectively, PPDG mentored a total of 102 STEM initiatives nationwide in 2024.

Making Education Inclusive: The First Step into Special Education Needs (SEN)

As part of implementing the Theory of Change framework while understanding the critical gaps that exist in the support systems for students with learning disabilities, 2024 marked our first step into Special Education Needs (SEN).

By integrating SEN into our broader strategy, our goal is to support equity in education by providing systemic interventions that deliver high-quality resources to students with learning difficulties and their caregivers.



Targeted financial assistance, disbursing over **RM207,000** to schools dedicated to Special Education Needs

This year, Inisiatif Memperkasa PPKI (IMPI) was launched to support educators and parents of children with learning difficulties to work together on the child's Individualised Education Plan (IEP) through the Rootin App. Through expert-led roundtable discussions, we developed specialised parent and teacher training modules, setting the groundwork for implementation in 2025. Additionally, we provided targeted financial assistance, disbursing over RM207,000 to schools, including support for institutions dedicated to SEN.

We recognise that this is only the beginning of a vital effort. The TOC approach ensures that our interventions will evolve in a structured and scalable manner, addressing systemic barriers faced by SEN students and supporting a national education framework that is inclusive and equitable.

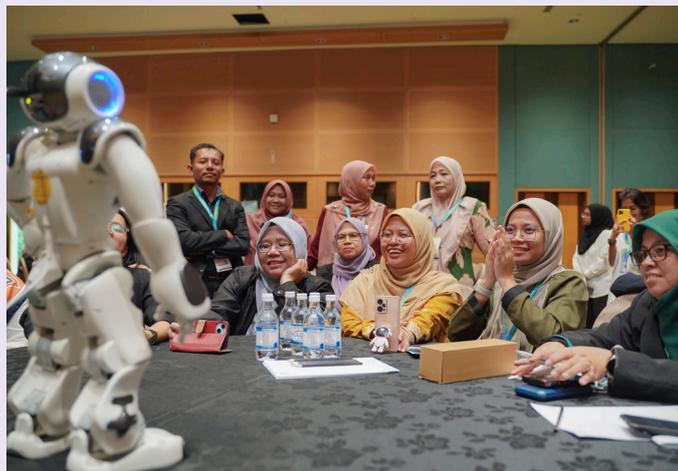
Looking Ahead: A Unified Vision for Malaysian Education

This year's progress reaffirms our commitment to our nation's goal of achieving a 60:40 STEM enrolment ratio, while expanding that vision to create more inclusive pathways that cater to all learners. By fostering a diverse and accessible education system, we are strengthening Malaysia's capacity to produce future-ready talent capable of driving scientific and technological progress in line with the nation's aspirations.

Through STEM empowerment, teacher development, and SEN inclusion, we are shaping a future where every student has the opportunity to excel in an environment that promotes innovation and adaptability.

Moreover, this approach not only advances STEM excellence but reinforces the essential role of education in driving economic and social progress across the country.

As we continue to scale our impact, collaboration with educators, policymakers and industry leaders is critical to ensuring that education in Malaysia is not only accessible, but transformative.



Education

IMPACT STORIES

● Engineering minds of Future Innovators



For 21 years, Teacher Yasmin Binti Noramin of SMK La Salle, Petaling Jaya, has been dedicated to shaping young minds through Chemistry and Science. Seeking new ways to enhance her students' engagement and deepen their interest in STEM topics, she joined PDG (Cohort 4) in 2023.

Prior to PDG, Teacher Yasmin was already a STEM icon, having received the 2024 National Teacher Icon Award during a national-level Teacher's Day celebration. It was through PDG that she discovered the Engineering Design Process (EDP), a structured, hands-on approach to problem-solving in STEM education. Teacher Yasmin had never encountered EDP before, but through PDG's first learning cycle, she embraced its potential to transform her teaching.

The impact was immediate and profound. Previously, 50% of her lessons relied on traditional "chalk and talk" methods, with limited opportunities for students to engage in hands-on learning. Inspired by PDG's methodologies, she redesigned her approach, reducing passive instruction to just 20%. This made way for interactive experiments, critical thinking exercises and student-led exploration. The results were undeniable: her students became more engaged, curious, and eager to learn. They now look forward to each new topic and, more significantly, have shown a strong desire to continue their STEM learning from Form 3 into Form 4.

Teacher Yasmin's journey is a testament to how empowering educators with innovative STEM teaching strategies creates lasting impact — not just for teachers, but for generations of students. Through PDG, she has transformed her classroom into an environment where curiosity thrives, problem-solving takes centre stage, and students develop a passion for STEM that extends beyond textbooks.

"Students learn best beyond the traditional 'chalk and talk' method. The Engineering Design Process (EDP) encourages innovation, creativity and hands-on learning, helping students connect modules to real-world applications."

● Bridging Disciplines, Inspiring Problem Solvers



For Teacher Yusof from SMK Datuk Haji Ahmad Badawi, Kepala Batas, PDG (Cohort 4) was more than just an opportunity to enhance his teaching — it was a pathway to redefining STEM education. Through PDG, he discovered that STEM is not confined to just Science and Mathematics but is instead a dynamic interdisciplinary field where subjects interconnect to encourage innovation and problem-solving.

This encouraged Teacher Yusof to integrate multiple STEM disciplines in a well-rounded teaching approach. He believes that true STEM learning happens when students see how different fields complement each other, equipping them with the critical thinking skills needed to tackle real-world challenges in a structured and effective manner.

Through PDG, Teacher Yusof has found a platform to engage and inspire students from diverse backgrounds and communities. He firmly believes that every student has unique talents, and it is the responsibility of the educator to nurture these abilities and help students discover how they can contribute meaningfully to the classroom — and beyond.

His two-year journey with PDG has both refined his ability to deliver practical and engaging lessons and helped foster an environment where students feel confident expressing their ideas. Teacher Yusof sees educators as vital connectors, guiding students through their educational journey, helping them embrace their individual strengths and encouraging them to flourish.

"Knowledge begins when we recognise our own limitations and cultivate the desire to learn. It ends when we believe we have mastered enough and no longer seek growth. My purpose in joining this programme is to learn, and even after graduating from PDG, that purpose remains unchanged."

COMMUNITY WELL-BEING & DEVELOPMENT

UPLIFTING LIVES



Sustainable progress begins when communities are equipped to shape their own future. In 2024, we focused on economic empowerment and healthcare access, helping individuals and families build resilience through skills training, basic necessities, business support and targeted medical aid.

A rising tide lifts all boats. When our communities make progress, so does the nation. Many rural communities across Malaysia face challenges in accessing the services and resources needed to reach their full potential. To address this, we take a holistic approach to Community Well-being and Development, focusing on two key strategies: Community-based Approach and Broad-based Health Interventions.

Beyond meeting basic needs, we are committed to fostering economic self-sufficiency and improving quality of life, empowering communities with the tools and transferable skills they need to achieve sustainable growth and prosperity. To achieve this, we collaborate with local leaders and experienced partners to build a robust support system, delivering initiatives across key areas such as essential healthcare access and entrepreneurial training.



Community Well-being & Development

Empowering Entrepreneurs

Program Memampankan Ekonomi Asas Rakyat ("MEKAR") is our flagship Community Well-being and Development programme.

MEKAR supports communities at every stage of their economic journey, from providing access to basic necessities to fostering their long-term financial independence. Through targeted, impact-driven assistance delivered in collaboration with strategic and implementation partners, MEKAR transforms economic disadvantages into pathways for growth and self-sufficiency.

As part of the MEKAR umbrella, the MEKAR Skills Training & Entrepreneurship Development in Northern and Eastern regions of Peninsular Malaysia develop business and entrepreneurial skills amongst entrepreneurs in the above mentioned economic regions. This year, a combined 1,408 participants graduated from the programmes, equipped with the practical skills needed to build stronger businesses and drive sustainable economic growth in their communities. Meanwhile, 113 participants of the MEKAR Johor Batu Pahat programme successfully completed training and mentoring sessions.

Another arm of MEKAR is its Entrepreneurship Scale-Up – which encompasses the MEKAR Skills Training & Entrepreneurship Development initiatives. This programme bridges the gap to business success by providing entrepreneurs with skills training and the opportunity to be certified by SIRIM. In 2024,



In 2024, MEKAR Entrepreneurship Scale-up in Northern Region successfully graduated **97**

participants, with **47** receiving myIPO registration for new packaging, labelling, and branding. Meanwhile,

140 participants under MEKAR Entrepreneurship Scale-up in East Coast Region are undergoing training,

with **50%** having completed the course.

97 entrepreneurs under this initiative graduated, with 47 receiving myIPO registration for new packaging, labelling, and branding. Meanwhile, 140 participants are undergoing training, with 50% having completed the course.

Meanwhile, the Be SEMART programme, which strengthens financial literacy and business skills among street food vendors, recorded promising results among its 103 graduates in 2024. About 87 saw increased profit margins, 84% consistently met daily sales targets, and 72% implemented strategic business changes based on insights from the programme.

Securing Basic Necessities

At the heart of our community-based approach is the provision of essential resources like clean water and electricity, which aligns with the United Nations (UN) Sustainable Development Goals (SDGs). These fundamental services not only enhance quality of life but also free individuals to pursue greater aspirations, helping them reach their full potential.

This year, our Harvesting the Value of Water initiative improved water access for 40 households in Kampung Tinata Ulu, Sabah, increasing per-household water availability from 62.5 litres to 165 litres per day.



Delivering Targeted Upliftment

Echoing MEKAR's focus on economic empowerment, our Uplifting Lives Home programme equips welfare home residents with income-generating skills through localised initiatives in partnership with social enterprises.

A great example of this impact is the Chili Boh Programme at Cakna Terengganu, where residents doubled their chili boh production and expanded sales to 14 local restaurants, increasing their income by 30%. Meanwhile, at Majlis Kebajikan Kanak-Kanak Kedah (MKKK), participants learned crop fertigation, harvesting 92kg of brinjal and generating RM637 in sales within two months.



To ensure sustainable generational progress, we also empower Malaysia's youth to succeed in an evolving world. The Bisnes Orang Muda Programme in Sabah – in partnership with Impact Malaysia – supported 50 youth entrepreneurs through a structured incubator programme that included hands-on training in financial management, marketing, and business development. Participants had the opportunity to showcase their products at three bazaars in Kota Kinabalu, generating RM71,000 in sales. Over 12 months, these enterprising businesses recorded over RM548,000 in total sales, reflecting the programme's commercial potential and real-world impact.

Additionally, 29 students completed career track training and internships under Program Digital Alaf Baru, while 30 participants trained under the microentrepreneur track, with 10 selected for mentoring.

Additionally, the MyLady Assistance Scheme Programme reflects our holistic approach to healthcare and community development by supporting single mothers and women living with HIV. In 2024, 39 microentrepreneurs across Malaysia received microcredit loans to grow their businesses, improving their financial security and independence.

87% saw increased profit margins, **84%** consistently met daily sales targets, and **72%** implemented strategic business changes based on insights from the programme.



The clean water infrastructure we provided also unlocked opportunities for sustainable farming practices in Kampung Tinata Ulu, enhancing long-term community and economic resilience.

Meanwhile, the Yayasan Ikhlas Clean Water Project now provides consistent clean water access to 26 households in Kampung Lakutan, Lawas, Sarawak.



Community Well-being & Development

Addressing National Health Challenges

Our Health Interventions combine targeted initiatives and expert-led partnerships to provide immediate medical assistance to the most vulnerable while improving personal well-being across all levels of society. Through medical research, assistance schemes, and training programmes, we empower communities to become healthier, happier, and more resilient.

The Initiative for Precision Medicine in Pediatric Cancer Therapy (IMPACT) continues to advance research and enhance treatment outcomes for childhood cancer. Research conducted under the programme in 2023 and 2024 has improved minimal residue disease (MRD) analysis turnaround time,



Meanwhile, the Patient Navigation Programme has played a pivotal role in streamlining cancer care, treating **332** newly diagnosed patients, managing **5,254** clinic visits and handling **829** referrals in 2024.

Building a Stronger and Sustainable Malaysia

Moving forward, our newly implemented Theory of Change (TOC) framework will enable us to identify and strategically target society's most basic health and welfare needs while ensuring that our skills development programmes deliver meaningful, long-term impact.

Through the provision of basic necessities, access to healthcare, business training and education in underserved communities, we aim to unlock greater economic opportunities — enhancing not just individual livelihoods but also overall living standards across Malaysia.

Guided by the TOC framework, we

remain firmly committed to uplifting lives and driving sustainable progress for all.





supporting more effective medical decision-making and response. Meanwhile, the Patient Navigation Programme has played a pivotal role in streamlining cancer care, treating 332 newly diagnosed patients, managing 5,254 clinic visits and handling 829 referrals in 2024.

Our Maternity Care: Pre- and Post-Natal Care Programme provides professional training in maternal care for underserved communities in Sabah. As of 2024, all 90 participants have completed their training and are practising as confinement ladies, caring for new mothers and their babies. Also in Sabah, 274 underprivileged patients now have their transportation costs to healthcare facilities covered under the MAF SHAPE initiative.

Uplifting the Underserved

The Uplifting Lives Festive (ULF) programme, delivered in collaboration with PETRONAS' regional offices and the Department of Social Welfare (JKM), donates essential food aid nationwide during treasured festive celebrations. Since 2019, ULF has directly benefitted 47,895 families with these contributions. Meanwhile, we have supported local economic growth by purchasing over RM500,000 of festive treats through social procurement from MEKAR entrepreneurs, supporting their ventures during peak seasons.

During the year, basic food items and festive packages were delivered to 11,850 underprivileged families.

Since 2019, **ULF** has directly benefitted **47,895** families with these **contributions.**




Community Well-being & Development

IMPACT STORIES

• Turning Setbacks into Success: A Flourishing Entrepreneurial Journey



Felizia Dourus embarked on her entrepreneurial journey in 2016, driven by a passion for traditional crafts, before taking a break to continue her studies. After completing her Diploma in Tourism, a period of unemployment during the COVID-19 pandemic encouraged her to refocus on her creative ambitions full-time.

In 2019, Felizia joined the Bisnes Orang Muda Programme, which turned out to be a transformative milestone. As one of the youngest participants, she leveraged the programme's mentorship and training to overcome earlier challenges in boosting her sales. With newfound insights into effective marketing strategies, particularly on social media platforms such as TikTok, Facebook, and Instagram, Felizia began to reshape her business. What started as a modest home-based operation has now evolved into a venture with significantly improved sales and an expanding customer base.

Drawing inspiration from her cultural heritage, Felizia designs and creates unique, handmade pieces that honour traditional craftsmanship. Looking ahead, she dreams of opening a boutique in her hometown to showcase her traditional crafts to a wider audience.

Felizia's journey is a testament to the power of perseverance and continuous learning. As she advises fellow young entrepreneurs, **"Believe in your skills and trust in your potential. With determination and perseverance, success is within reach."**

• Uplifting Lives through Clean Water Access



Sebetin, a resident of Kampung Tinata Ulu in Sabah, has witnessed first-hand the positive impact of the Harvesting the Value of Water project. This initiative has provided access to clean water and supported local agriculture by enabling villagers to grow a wider variety of crops.

Previously, during periods of low rainfall, the community faced significant challenges as the water supply had to be shared among several villages, forcing residents to wait their turn for access. Now, the villagers benefit from a reliable clean water supply improving their daily lives and overall well-being. "Phased water rationing was often required previously. Now, the new clean water system provides a more reliable and efficient solution for the community," Sebetin added.

Sebetin is optimistic that this initiative will continue to nurture growth and prosperity in Kampung Tinata Ulu, laying the foundation for a thriving and resilient community.

"Phased water rationing was often required previously. Now, the new clean water system provides a more reliable and efficient solution for the community."

ENVIRONMENT

Planting Tomorrow



Protecting nature is essential to strengthening climate resilience among communities in Malaysia. In 2024, we advanced forest restoration, coastal conservation, and disaster preparedness through community-driven initiatives, combining environmental stewardship with education, research and inclusive engagement.

A greener tomorrow begins with the actions we take today. At Yayasan PETRONAS, our commitment to climate resilience and the environment goes beyond preserving both terrestrial and marine ecosystems. We believe that by fostering a collective responsibility for the land we call home, we can protect our planet and the people who depend on it.

The TOC framework enables us to identify critical gaps for conservation as well as crucial support for the communities most vulnerable to climate-related risks. Through nature-based solutions, research initiatives and strategic partnerships, we aim to strengthen community climate resilience while protecting biodiversity.

In 2024, we focused on **initiatives within terrestrial and marine ecosystem as part of a connected strategy** that holistically creates meaningful environmental and social impact.



Environment

Caring For Our Land

Healthy forests and green spaces are vital for our planet and communities. Yayasan PETRONAS' One Million Trees (OMT) programme aims to build community resilience through efforts that support the restoration of Malaysia's natural forest landscapes. In achieving the goal to plant a million trees, the OMT programme emphasises community engagement that fosters greater shared responsibility in conserving our precious forest and mangrove ecosystems.

During the year, over 10,000 trees were planted in the initial phase of a strategic partnership between the Foundation and Sabah Forestry Department to conserve the Kungkular Forest Reserve whilst also supporting four nearby villages that benefit from the forest ecosystem services.

In supporting long-term impact, research on forest biodiversity and carbon monitoring was initiated in Kungkular Forest Reserve as part of the programme, including remote sensing, flora and fauna identification, and the tagging and measurement of planted trees.

Also as part of the programme, Community Livelihood Assessment and Product Scanning (CLAPS) initiatives was conducted across the four villages to identify potential socioeconomic activities for the communities involved.

In expanding the OMT programme, 2024 also saw additional land and partnerships secured in Sungai Santi, Johor and Kuala Sepetang, Perak, to support community involvement in planting 118,000 trees across the two sites.

Meanwhile, as part of another strategic partnership between Yayasan PETRONAS and University Teknologi PETRONAS (UTP), the Warisan Hijau nature trail was completed in October 2024. The 950-metre trail was carefully designed and constructed across a 12.7-hectare site, allowing visitors to explore the unique freshwater peat swamp forest at Perak Tengah. Home to several endemic and endangered species, this immersive experience fosters environmental awareness through a blend of recreation, education, and conservation.

Warisan Hijau Nature Trail – A Living Classroom

- One of the **few remaining freshwater swamp forests** in Perak Tengah
- A vital conservation site for **three highly threatened Dipterocarpaceae flowering plant species**
- Home to **diverse local wildlife**, including the **Siamang, Lantern Fly, and Mouse-Deer**

This immersive trail not only protects sensitive ecosystems but brings visitors closer to Malaysia's rich biodiversity through hands-on learning and exploration.



Complementing the trail, the Outdoor Environmental Education Zone (OdEEZ) was established in UTP's Zone A, featuring an information cabin, composting site, pollination garden, as well as a tree monitoring and education site. During the year, Communication, Education and Public Awareness (CEPA) centric activities were carried out, including an environmental talk for about 200 new students and a hands-on Training of Trainers (ToT) programme in November. This programme equipped students, staff, and landscape contractors with practical skills in tree monitoring, composting, and pollinator care, empowering them to become environmental ambassadors, reinforcing shared sustainability goals.

In further efforts to enhance climate resilience among vulnerable communities, the foundation is supporting Think City Sdn. Bhd. through a grant to develop a Nature-based Solutions (NbS)-focused Climate Adaptation Framework for Batu Pahat and Yong Peng. This two-year initiative is designed to strengthen local authorities' ability to address climate-related challenges by embedding NbS into their planning processes. In 2024, the programme completed a baseline assessment that identified flood, heat, and sea level rise as critical climate risks while conducting knowledge workshops and stakeholder engagement sessions towards exploring viable solutions to address the identified issues.

Building Resilience in Flood-Prone Heartlands

- **Agricultural Hubs:** Batu Pahat and Yong Peng are vital agricultural centres in Johor, renowned for their rice cultivation and livestock farming, which are essential to Malaysia's food security.
- **Historical Flood Impact:** These districts have experienced significant flooding events, leading to widespread displacement, property damage and substantial economic losses.

Education seeds resilience in future generations. Yayasan PETRONAS' grant supports Green Growth Asia Foundation (GGAF) in conducting the 3-year Eco Schools programme in Terengganu, nurturing young environmental champions across 50 schools – including, for the first time, special needs learning institutions. This inclusive approach ensures every student has the opportunity to contribute to sustainability efforts. The programme promotes sustainable lifestyles, enhances environmental literacy, and supports curriculum-aligned projects aimed at reducing each school's environmental footprint, with a longer-term goal of cutting greenhouse gas emissions by 5 – 10%.

Furthering commitment in enhancing community resilience, Yayasan PETRONAS is also supporting the Global Environment Centre (GEC) in conducting a Community Based Disaster Risk Management (CBDRM)

programme for 20 flood-prone villages in Kuala Lumpur, Selangor, Negeri Sembilan and Perak. Through fostering partnerships, trainings and awareness campaigns, the programme empowers local communities in understanding disaster risk and developing community-appropriate response plans for emergencies based on best practices in environmental management.

As part of Yayasan PETRONAS' efforts to support communities impacted by natural disasters in 2024, 7,160 Care Packages were distributed during the monsoon season to targeted Jabatan Kebajikan Malaysia (JKM) depots across the country. Post-disaster assistance was also extended in 2024, such as donation of new school furniture at four schools to support school recovery, supporting 1,666 impacted students with schooling materials, and donation of pipes for clean water supply at three villages.

Protecting Life Below Water

Malaysia's rich coastal environment supports biodiversity and livelihoods. In 2023, an urgent need was identified for seagrass protection. In response, a strategic partnership was established with the Department of Fisheries (DOF) and Sabah Biodiversity Centre (SaBC), for the Seagrass Mapping and Community-Based Programme. The programme aims to map seagrass ecosystems, assess their ecological and economic benefits, and encourage sustainable marine resource management.

With Universiti Putra Malaysia (UPM), Universiti Malaya (UM), and Universiti Malaysia Sabah (UMS) as implementation partners, the programme emphasises on Communication, Education and Public Awareness alongside mapping exercises to understand the extent of seagrass meadows in Malaysia's coasts while building long-term stewardship. Through education, outreach, and active participation,



including involving local fishermen in monitoring seagrass areas, the initiative aims to help coastal communities understand the ecological and economic importance of seagrass ecosystems. Through empowering these communities as partners in conservation, the programme aims to foster shared responsibility and strengthens local resilience to environmental change.

Working Together for a Better Tomorrow

The Earth is our shared home, and we all have a responsibility to nurture and care for it. We recognise that making a meaningful difference takes more than individual conservation initiatives – it requires a holistic and inclusive approach that engages communities and key stakeholders at all levels.

We look forward to working with our strategic partners and community leaders to continue our work in building climate resilience and conserving the natural environment. By raising awareness, promoting environmental education and giving vulnerable communities the skills and resources to adapt to climate-related challenges, we can foster greater resilience – and a greener future for all Malaysians.



Environment

IMPACT STORIES

● Preserving the Environment & Restoring Hope



Maha bin Undi, the village head of Kampung Kungkular, shares that forest restoration has brought renewed hope to his community.

Kungkular was once heavily degraded due to widespread tree felling for timber production, which not only disrupted ecosystems but also reduced access to clean water – jeopardising crops, livelihoods, and food security. Although restoration efforts have been ongoing since the area was gazetted as a forest reserve in 2012, large sections of the land remain degraded.

Yayasan PETRONAS is proud to support the continued work of the Sabah Forestry Department in restoring Kungkular's forest landscape. Recent initiatives, including tree planting and local biodiversity research, have improved access to clean water, created job opportunities, and supported more sustainable agricultural practices, opening up new income streams for the villagers.

Maha emphasises the importance of community participation in these efforts. Through direct engagement initiatives, villagers have been actively involved in shaping solutions and protecting their environment. This inclusive approach has strengthened local ownership and inspired a shared commitment to conservation for the long term.

"We hope that the continued restoration efforts will ensure the long-term sustainability of Kampung Kungkular."

● Inspiring a New Generation



Roben bin Ongkur, Chairman of the Kampung Kungkular Committee in Sabah, highlights the significant environmental and educational benefits that forest restoration initiatives have brought to the community.

These restoration efforts have deepened the community's understanding of climate change and the vital role of forest conservation. The initiatives are also expected to positively impact the local ecosystem, leading to cleaner air and improved river water quality.

Beyond environmental benefits, the project has supported the local handicraft industry by teaching village youths how to use forest resources more sustainably. Without these initiatives, natural resources could have been depleted over time. Now, the community values these resources not only as a means of income but also as an essential part of their cultural heritage.

By fostering awareness and responsible stewardship of the forest, Kampung Kungkular is preserving its natural environment while creating new, sustainable opportunities for future generations – a positive example for communities across Malaysia.

"The forest restoration initiative helped us better understand the importance of forests in supporting livelihoods, creating income opportunities for the youths as well."

Moving Forward: Roadmap

The **Yayasan PETRONAS Strategic Roadmap** charts our path to sustainable value creation, outlining three phases towards our mission to building strong, resilient and progressive communities in Malaysia:

Impact expansion
(2025-2027)

Phase 1

Strengthen targeted high-impact initiatives

Deepening impactful initiatives throughout Malaysia by strengthening STEM and SEN ecosystems, delivering targeted community-based interventions and increasing climate resilience through nature-based solutions and community awareness.



Impact amplification
(2028-2030)

Phase 2

Amplify community impact

Broadening our reach by extending our STEM and SEN support, expanding community-based programmes and encourage community action on climate change.



Impact sustainability
(2031-2034)

Phase 3

Advocate for sustainable high-impact initiatives

Leading and sustaining high-impact programmes and advocacy efforts, growing community resilience efforts throughout Malaysia.



Our Networks



GLC Demi Negara dan Rakyat

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 (GLCs) and Government-Linked Investment Companies (GLICs) 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 7,160 care packages in 2024 to the households impacted by floods.



avpn Asian Venture Philanthropy Network (AVPN)

Yayasan PETRONAS is a member of the Asian Venture Philanthropy Network (AVPN), 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.

In 2024, we took part in several key AVPN engagements, including the AVPN Global Conference in Abu Dhabi, which brought together approximately 1,500 delegates from over 40 countries with social impact activities across Asia. Our involvement also extended to climate and gender inclusion forums, as well as strategic roundtables on social investment and impact measurement.

Our Partners

Stronger Together

The progress we achieved in 2024 was made possible by the unwavering support of our partners, who share our commitment to creating a positive and sustainable impact in communities in Malaysia. Their expertise and collaboration enhance our programmes, driving meaningful change. As we move forward, these valued partnerships will continue to play a crucial role in shaping a more sustainable future for society across the nation.

Education


KEMENTERIAN PENDIDIKAN


Teach For Malaysia


PETROSAINS


dg

Grant recipients


chimbaka
STAY CURIOUS


EDYOUTYON
Revolutionizing Education


SEJOLLY

Community Well-being & Development


Jabatan KEBAJIKAN Masyarakat


UNIVERSITI SAINS MALAYSIA


UMTJ


UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH


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