



PRESS RELEASE

MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATION

MIMOS JUNIOR ACADEMY (*TADIKA MIMOS*) ENHANCES STEM LITERACY FOR CHILDREN AS YOUNG AS 4 YEARS OLD

BUKIT JALIL, 21 February 2025 – YABhg. Dato' Seri Dr. Wan Azizah Dr. Wan Ismail officially launched the MIMOS Junior Academy (*Tadika MIMOS*) at MIMOS Berhad, Bukit Jalil.

As part of its rebranding initiative, MIMOS Junior Academy (MJA) has adopted a new curriculum rooted in Science, Technology, Engineering, and Mathematics (STEM). This curriculum is specially designed to offer a comprehensive, dynamic, and innovative learning experience, fostering an early interest in STEM among young learners. MJA collaborates with the National Child Development Research Centre (NCDRC), Universiti Pendidikan Sultan Idris (UPSI) to ensure the implementation of an effective, innovative, and comprehensive STEM curriculum. As an early education centre, MJA is committed to nurturing young minds to be creative, critical thinkers, and digitally literate. Its STEM-based curriculum aligns with the national aspiration to boost STEM literacy from the early stages of education.

The MJA teaching approaches include:

1. **Inquiry-Based Learning:** Encouraging curiosity through questions and experiments.
2. **Play-Based Learning:** Using play to develop cognitive and motor skills.
3. **Project-Based Learning (PBL):** Solving real-world challenges through long-term projects.
4. **STEM Integration:** Embedding STEM principles into the curriculum.
5. **Experiential Learning:** Hands-on experiences like field trips and experiments.
6. **Technology-Enhanced Learning (TEL):** Leveraging modern tools for a tech-driven future.

YBhg. Datuk Ts. Dr. Haji Aminuddin highlighted that STEM education is a critical focus for MOSTI, supporting initiatives that integrate STEM learning into preschool education through interactive activities, simple experiments, and hands-on exploration. “STEM education is essential in building a future-ready workforce. MOSTI encourages more students to pursue STEM to address skill gaps and ensure Malaysia's global competitiveness.”

“MOSTI also emphasises making STEM education accessible to all segments of society, including the B40 community. MOSTI's initiatives aim to make STEM education more engaging, inclusive, and relevant to students from diverse backgrounds,” YBhg. Datuk Ts. Dr. Haji Aminuddin added.

Acting President and Group Chief Executive Officer of MIMOS, Dr. Saat Shukri Embong stated that MJA's transformation reflects MIMOS' commitment to advancing holistic and innovative early education. “MJA now introduces STEM-based education as the foundation for children's learning. This aligns with our vision of ‘Nurturing Future Leaders of Tomorrow.’

The primary goal of MJA is to nurture curiosity, creativity, and critical thinking among pre-schoolers. We believe these children are the future leaders who will drive tomorrow's increasingly technology-driven world.”

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About MIMOS Berhad

MIMOS is a strategic agency under the Ministry of Science, Technology and Innovation (MOSTI) and a premier innovation centre in Semiconductors, Microelectronics, and ICT technologies, contributing to Malaysia's socio-economic growth through patentable technology platforms, products, and solutions. Since its inception, MIMOS has filed 2,000 patents in various technology domains and across key socio-economic areas driving Malaysia's digital transformation journey into the international arena.

As a centre of research excellence, MIMOS R&D activities currently focus on Semiconductor & Thin Film Research, Advanced Electronics & Embedded Systems, as well as Manufacturing and Smart Nation technologies. MIMOS continuously enhance its collaborations with existing strategic partners, explores new opportunities with potential partners, and develops new technology companies and business-oriented technology venture organisations. MIMOS also maintains its R&D of advanced technology, explores the development of global technopreneurship, and cultivates an attitude of trust, innovation and high performance.

For more information, please visit **www.mimos.my**.

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