

SDG 9

INDUSTRY, INNOVATION & INFRASTRUCTURE

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE





Empowering Educational Innovation: IPI Collaborates with Universiti Kebangsaan Malaysia



Institut Pendidikan Indonesia advances **SDG 9: Industry, Innovation, and Infrastructure** through its collaboration with Universiti Kebangsaan Malaysia to develop **educational innovations implemented at Pendidikan Permata Pintar Tingkatan Enam Tuanku Muhriz**. This initiative enables students and educators to **co-create innovative teaching methods and learning tools, integrating technology** and interactive pedagogy to enhance student engagement and learning outcomes. Through joint workshops, pilot testing, and knowledge exchange, participants acquire practical skills in educational design, problem-solving, and innovation management, fostering a culture of creativity and experimentation.

The program encourages the adoption of **new approaches in curriculum delivery**, strengthens collaboration between institutions, and provides a platform for scaling innovative solutions across educational settings.

By implementing these innovations, IPI contributes to high-quality, **resilient educational infrastructure** and cultivates the next generation of skilled innovators, demonstrating how international partnerships can drive **sustainable and impactful advancements in education, aligned with SDG 9**.





Innovating Curriculum: IPI and Ton Duc Thang University Advance Pancasila and Citizenship Education

Institut Pendidikan Indonesia, in collaboration with Ton Duc Thang University, advances SDG 9: Industry, Innovation, and Infrastructure through the development of an **innovative curriculum integrating Pancasila, citizenship, and legal principles**. The program introduces **new teaching strategies, interactive learning tools, and interdisciplinary approaches** aimed at enhancing student engagement, critical thinking, and understanding of civic and legal responsibilities. Through joint workshops, knowledge exchange, and pilot implementation, educators acquired practical skills in **curriculum innovation, instructional design, and collaborative problem-solving**, enabling the application of **innovative approaches** across faculties and programs. This initiative strengthens educational infrastructure by embedding evidence-based, technology-enhanced learning methods into the curriculum and fostering a culture of **creativity, experimentation, and innovation**. By equipping students with advanced competencies in civic awareness and legal literacy, the program **improves learning outcomes and prepares graduates to contribute effectively to society**.

The project demonstrates how international collaboration can drive sustainable **innovation in education**, supporting IPI's role in cultivating a future ready, skilled, and **innovative generation aligned with SDG 9**.

Revolutionizing Education: Institut Pendidikan Indonesia's VR Innovation Enhances Learning Experiences

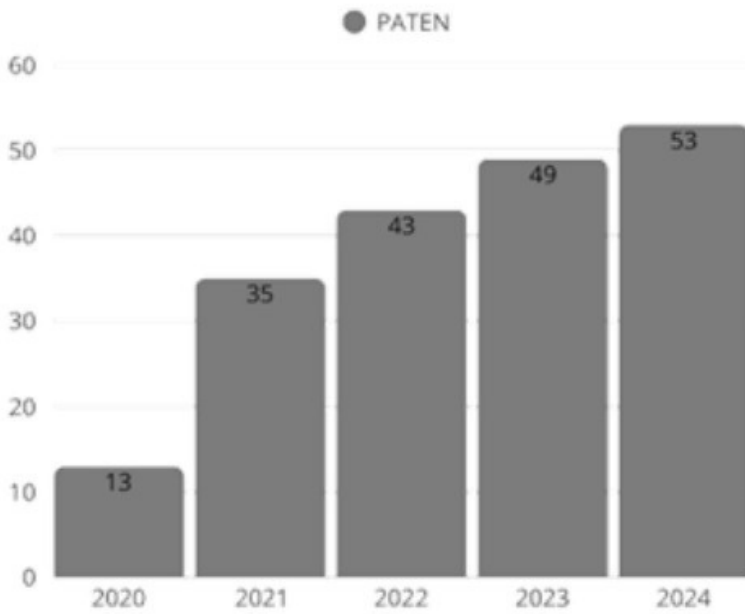
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Institut Pendidikan Indonesia showcases its commitment to **SDG 9: Industry, Innovation, and Infrastructure** through the development of a **Virtual Reality (VR) innovation in education**. This initiative leverages immersive VR technology to **enhance student engagement, deepen understanding** of complex concepts, and provide **interactive learning** experiences across various subjects. The VR program integrates simulations, virtual experiments, and interactive scenarios, allowing students to explore and practice skills in a safe and controlled environment. Educators receive training on VR-based teaching strategies, enabling them to **implement innovative instructional methods** that foster **creativity, critical thinking, and problem-solving** among learners. By adopting cutting edge VR technology, Institut Pendidikan Indonesia strengthens educational infrastructure, promotes **innovative learning approaches**, and prepares students to adapt to future educational and technological challenges, demonstrating the institution's role in cultivating a generation of forward-thinking, tech-savvy learners aligned with the objectives of SDG 9.

Development of Intellectual Property Rights Charts

Patent



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