



Kemendikdasmen

Kompleks Kementerian Pendidikan Dasar dan Menengah,
Jalan Jenderal Sudirman, Senayan, Jakarta 10270
Posel: pengaduan@kemendikdasmen.go.id
Laman: www.kemendikdasmen.go.id
Pusat Panggilan: 177 **Whatsapp:** 081218040427

PRESS RELEASE

Number: 802/sipers/A6/IX/2026

PISA-Based Learning Innovations and STEM Integration Drive Educational Transformation in Yogyakarta Schools

Yogyakarta, Sept. 12, 2026 — The Ministry of Primary and Secondary Education (Kemendikdasmen) is advancing educational quality across Indonesia by strengthening literacy and numeracy cultures while integrating Science, Technology, Engineering, and Mathematics (STEM) learning aligned with Program for International Student Assessment (PISA) competencies.

This commitment is demonstrated through innovative teaching practices and student skill development at SMPN 9 Public Junior High School and SMAN 5 Public Senior High School in Yogyakarta.

Agus Margono, Principal of SMPN 9 Yogyakarta, explained that his school operates a dedicated Literacy and Numeracy Mentoring Program designed specifically to sharpen student capabilities against PISA benchmarks.

"We implement a Literacy and Numeracy Mentoring Program focused on strengthening students' PISA-based literacy and numeracy skills," Margono said. "This program integrates Higher Order Thinking Skills (HOTS) questions into daily assessments and reinforces project-based learning using a STEM approach".

Margono noted that the initiative has significantly transformed student mindsets and critical reasoning. Rather than relying on rote memorization, students now analyze local environmental and social challenges using logical and mathematical frameworks.

"This has directly boosted our school's National Assessment scores in literacy and numeracy, while increasing the number of students winning awards in science and technology competitions," Margono added.

To optimize STEM education, SMPN 9 Yogyakarta builds teacher capacity through an internal Learning Community, in-house training on interactive learning modules, and cross-subject collaboration spanning Science, Mathematics, and Informatics.

"The school applies differentiated instruction and peer mentoring among teachers to address diverse student readiness levels and transition away from conventional teaching methods," Margono explained.

Meanwhile, SMAN 5 Yogyakarta runs an Integrated Literacy program covering key 21st-century competencies, including digital, cultural and civic, scientific, financial, and numerical literacy.

Rizky Puspitadewi, Vice Principal for Curriculum at SMAN 5 Yogyakarta, noted that literacy reinforcement extends beyond weekly routines and is systematically built into regular learning evaluations through literacy and numeracy skills based questions in every School Assessment.



Kemendikdasmen

Kompleks Kementerian Pendidikan Dasar dan Menengah,
Jalan Jenderal Sudirman, Senayan, Jakarta 10270
Posel: pengaduan@kemendikdasmen.go.id
Laman: www.kemendikdasmen.go.id
Pusat Panggilan: 177 **Whatsapp:** 081218040427

PRESS RELEASE

"The tangible impact of consistently applying this literacy program and assessment routine is reflected in our School Education Report Card, where achievement in Literacy and Numeracy domains consistently achieves top-tier results," Puspitadewi said.

She emphasized that teacher professional development remains a priority, supported by training in STEM implementation, Deep Learning, Coding, and Artificial Intelligence (AI), as well as dedicated project materials.

"Beyond improving pedagogical and technical competencies, the school provides concrete classroom support by supplying learning media and relevant materials for STEM projects," Puspitadewi added.

In addition to academic achievement, SMAN 5 Yogyakarta fosters soft skills and character development through co-curricular and extracurricular activities. Co-curricular projects focus on Engineering & Technology and Entrepreneurship Innovation, engaging students in direct brainstorming sessions with experienced industry experts.

Extracurricular activities channel student interests in innovation, collaboration, and problem-solving through the Youth Scientific Group (Kelompok Ilmiah Remaja / KIR) and the Robotics Club.

Minister of Primary and Secondary Education Abdul Mu'ti emphasized that Kemendikdasmen continues to accelerate educational transformation through a Deep Learning approach aimed at making learning more mindful, meaningful, and joyful.

This strategy is supported by teacher capacity building in STEM, Coding, AI, and character education, along with educational data governance development, school revitalization, and interactive learning technology deployment.

Bureau of Communication and Public Relations
Secretariat General
Ministry of Primary and Secondary Education

Website: kemendikdasmen.go.id

X: x.com/Kemdikdasmen

Instagram: [instagram.com/kemendikdasmen](https://www.instagram.com/kemendikdasmen)

Facebook: [facebook.com/kemendikdasmen](https://www.facebook.com/kemendikdasmen)

YouTube: KEMDIKDASMEN

Public Inquiries & Feedback: ult.kemendikdasmen.go.id

MoPSE Press Releases: kemendikdasmen.go.id/pencarian/siaran-pers

#PendidikanBermutuuntukSemua

#KemendikdasmenRamah



Kemendikdasmen

Kompleks Kementerian Pendidikan Dasar dan Menengah,
Jalan Jenderal Sudirman, Senayan, Jakarta 10270

Posel: pengaduan@kemendikdasmen.go.id

Laman: www.kemendikdasmen.go.id

Pusat Panggilan: 177 **Whatsapp:** 081218040427

PRESS RELEASE

Disclaimer

This is an unofficial English translation. The original Indonesian text remains the authoritative version and shall prevail in the event of any discrepancy or interpretation.