



ASIAN DEVELOPMENT BANK BUSINESS OPPORTUNITIES FAIR 2026

21-24 SEPTEMBER 2026 | ADB HEADQUARTERS, MANILA



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Social Infrastructure Innovation Session

PechaKucha

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DESIGNING RESILIENCE BUILDING EQUITY

Empowering Communities through Social Infrastructure Design

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PDW

Business Development Masterplan and Sustainability Director

Resiliency for Community

Katingan Mentaya Co-Gen Community Center

- Community Based Design and Planning approach
- Regenerative Design on Water and Energy
- Social Space
- Environment Resiliency against high tide
- Albumin processing area





Space for community

Space for education

Space for hospitality

Space for energy

Space for economy



Community Engagement (Pendekatan ke Warga)

Melalui dialog, wawancara, dan kunjungan lapangan, tim proyek secara aktif terlibat dengan masyarakat untuk mencatat aspirasi mereka. Hal ini akan mempengaruhi pembangunan desa





SCHOOL RETROFIT

WATER - ENERGY - GREEN AREA - INDOOR QUALITY



Grey water ground water for harvesting from roof, and hardscape



Supporting renewable energy support. Installed without batteries.

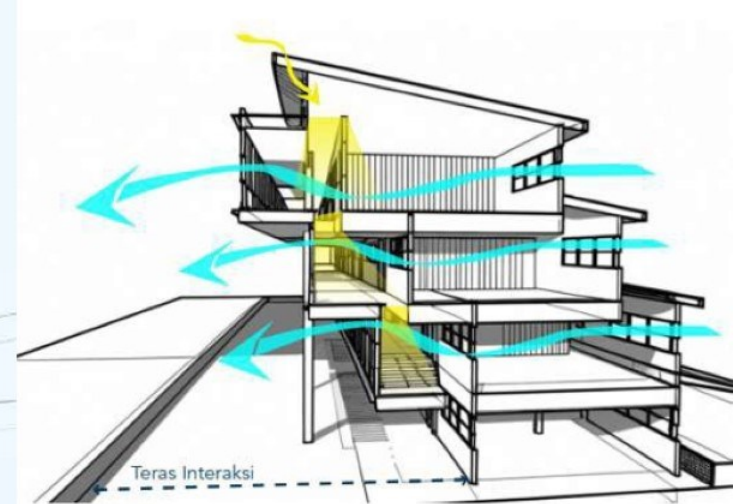


Add greeneries and softscapes to improve micro climate and reduce heat effects



Improve building quality to deal with natural lighting and calm temperature.





Desain bangunan yang staggered membuat setiap ruang yang ada di bawahnya teraang secara maksimal, ditambahkan elemen fasad sebagai identitas dan sekaligus berfungsi sebagai penangkal sinar matahari saat pagi hari dari arah timur. Halaman sebagai teras memiliki makna sebagai ruang interaksi, penerima, terbuka, yaitu dengan alam dan lingkungan sekitar.



1. Struktur Rangka Kolom + Balok Pracetak



2. Modular Dinding Pracetak LT2 + Plat Lantai Pracetak



3. Modular Dinding Pracetak LT3 Plat Lantai Pracetak



4. Modular Dinding Pracetak LT3 Plat Lantai Pracetak



5. Skin Pracetak

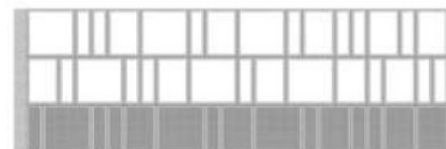


6. Penutup Atas

Sekolah Prototipe mengadopsi nilai-nilai ruang teras yang diharapkan dapat mentransformasi semangat pendidikan di Jakarta.

Lapangan sekolah bisa digunakan warga sekitar ketika waktu sekolah usai atau saat libur. Sekolah dirancang pada lahan, volume bangunan, dan biaya yang terbatas.

Fasad sekolah menerapkan prinsip hibrida, di satu sisi melestarikan ornamen khas betawi di sisi lain membawa nilai kebaruan dalam arsitektur modern, untuk itu ornamen dekoratif diabstraksi menjadi pola-pola yang lebih kontemporer.

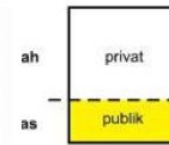
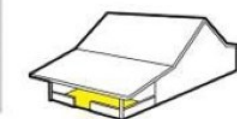


Pola Fasad

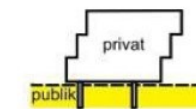


Pola Fasad

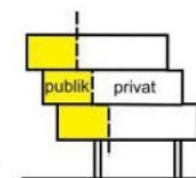
Desain modular merupakan salah satu cara untuk efisiensi. Efisien dalam proses pembangunan dan efisien dalam penggunaan ruang.



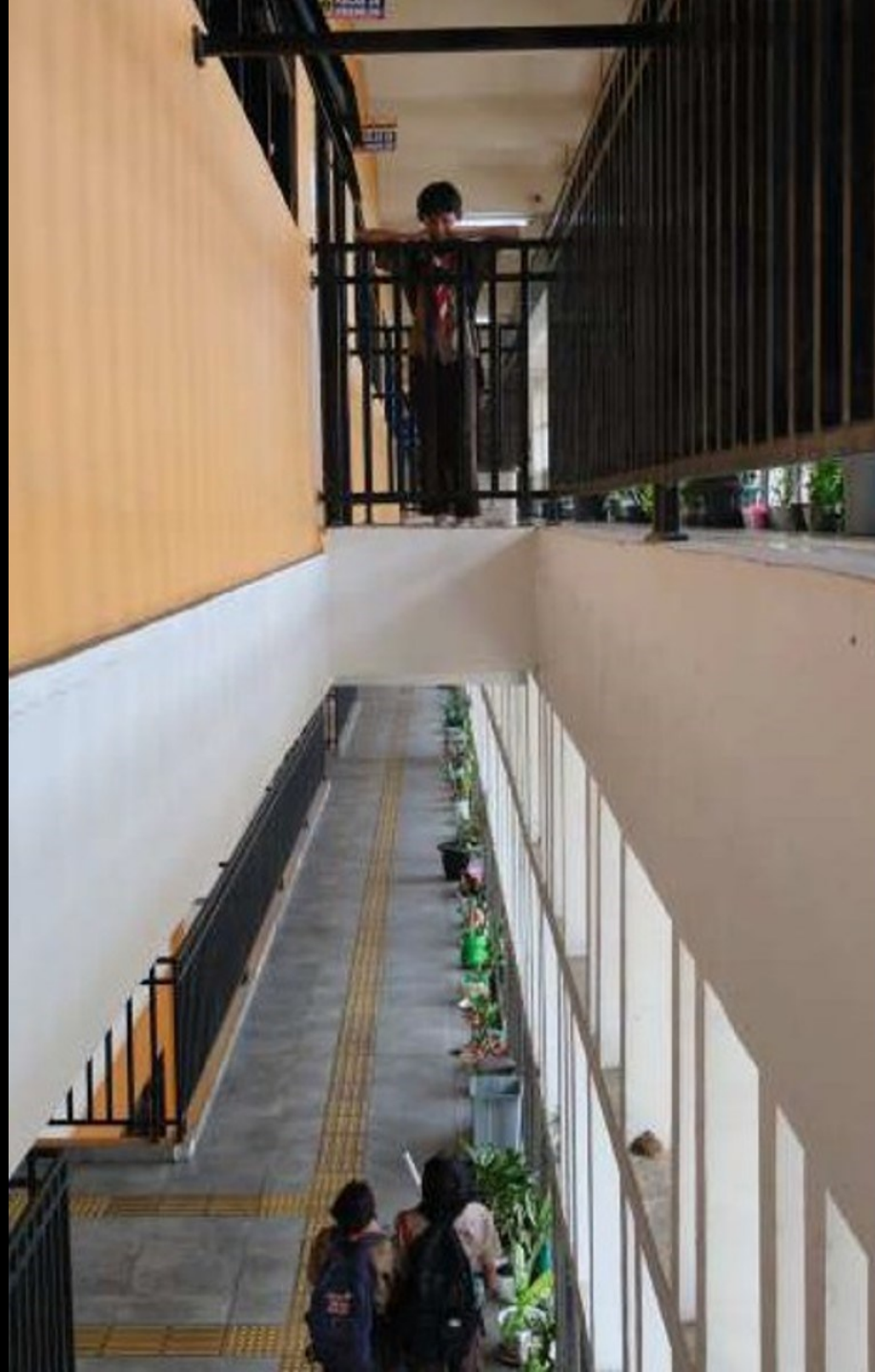
rumah adat betawi



siteplan sekolah



ruang kelas



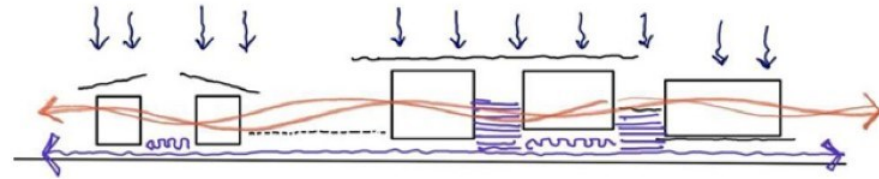
Fasad sebagai shading, safety, dan media tanam. Mewujudkan sekolah yang peduli lingkungan dan menciptakan kesempatan siswa untuk belajar berkebun. Sehingga pengalaman belajar menjadi lebih menyenangkan.



- Facility Improvement
- Better teaching environment
- Increase Capacity
- Green Building Codes
- New Teaching Process
- More Fun
- More Playing Fields
- More Open Spaces
- No Land Acquisition
- Using Existing Structures

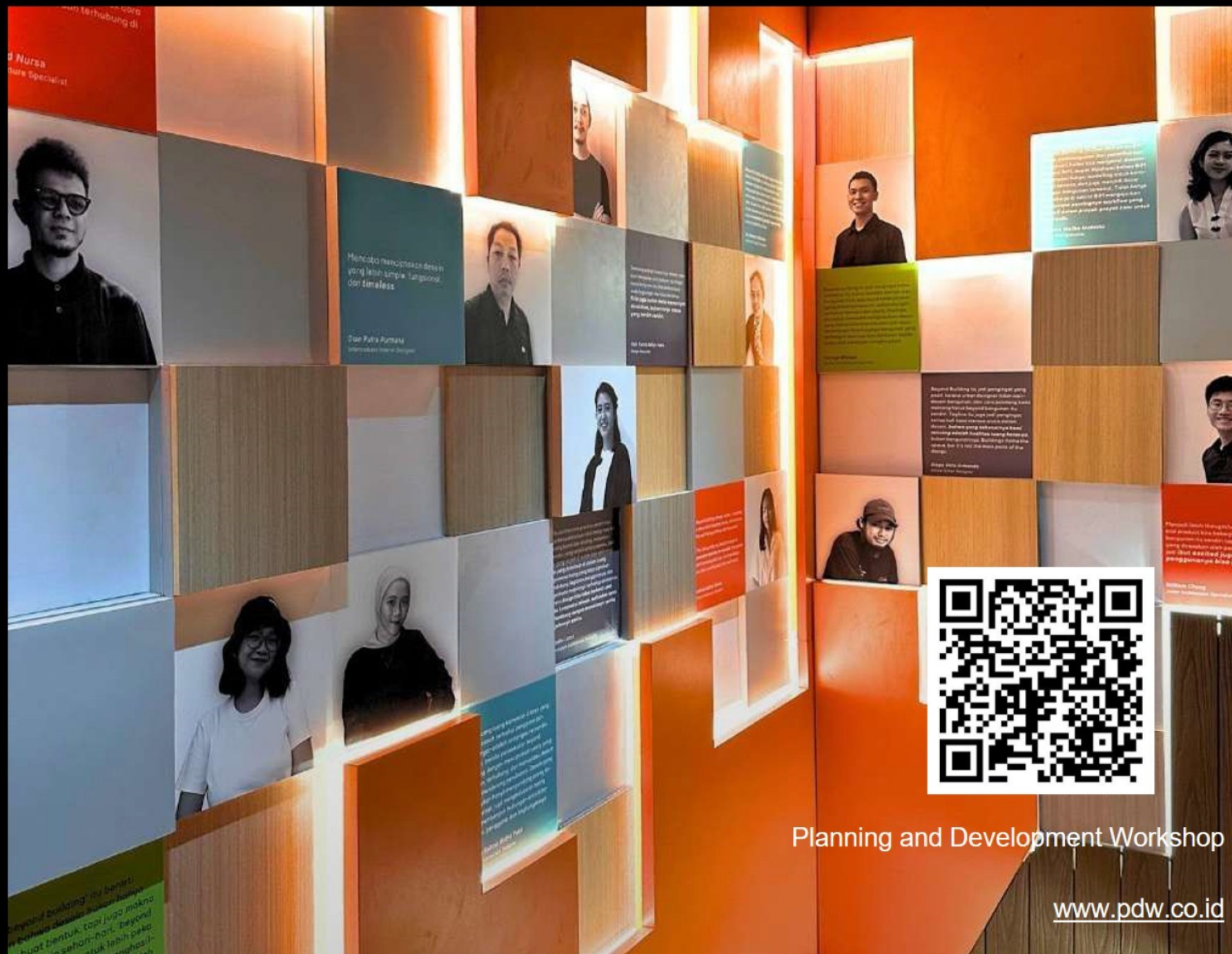
An aerial architectural rendering of a new school campus. The scene features several modern, multi-story school buildings with dark roofs and large windows, interspersed with lush green lawns and trees. A prominent feature is a large sports field with a green grass pitch, surrounded by a blue running track and red safety zones. To the right of the field, there are two outdoor basketball courts with green and orange surfaces. In the foreground, a historic-style building with a light-colored facade and a series of arches is visible. The campus is bordered by a residential neighborhood with smaller houses and a parking lot. The overall atmosphere is bright and sunny, suggesting a clear day.

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VALUE FOR MONEY: DRIVING QUALITY INFRASTRUCTURE

Human and Social Development

Social Infrastructure Innovation Session

23 September 2026 | Auditorium Hall 1