

# **Towards Creative Learning Environment: Developing School Spaces and Facilities Standard to Support Creativity in Education**

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# Objectives

To discuss the role of physical learning environment to support the development of creativity

To discuss the role of national standard in educational spaces and facilities to create opportunities for creative learning environment

# Promoting creativity in education

Development of individual's creativity has become an important aspect of education as stipulated in the objective of national education  
(Act No. 20/2003 – National Education System)

Creative development should be supported by the provision of creative learning environment. This includes physical environment that could support creative learning process.

# Overview of National Educational Standards (*Standar Nasional Pendidikan*)

Developed by the Board for National Standards in Education (*Badan Standar Nasional Pendidikan - BSNP*)

Act No. 19/2005: National Educational Standards

BSNP has developed standards for:

- Early childhood education (PAUD)
- Primary and secondary education (including special need education and vocational education)
- Higher education

# Overview of National Educational Standards (*Standar Nasional Pendidikan*)

Objective of standards: To set a minimum criteria for education to ensure the quality of education

Consist of standards in eight aspects:

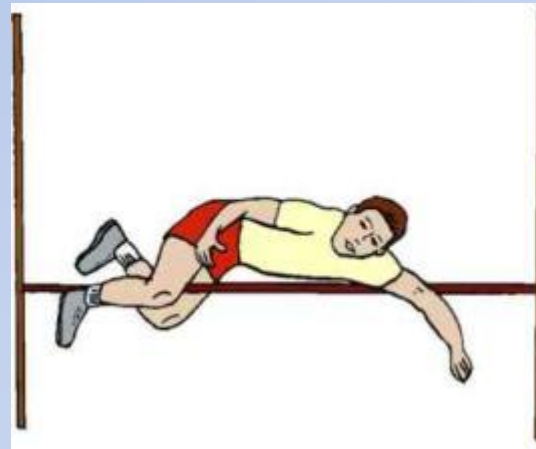
- graduate competence
- curriculum content
- process
- evaluation
- human resources
- spaces & facilities
- management
- financing

# Standards = minimum criteria for schools

**INTERNATIONAL**  
standard school

**MANDIRI** school  
(independent)

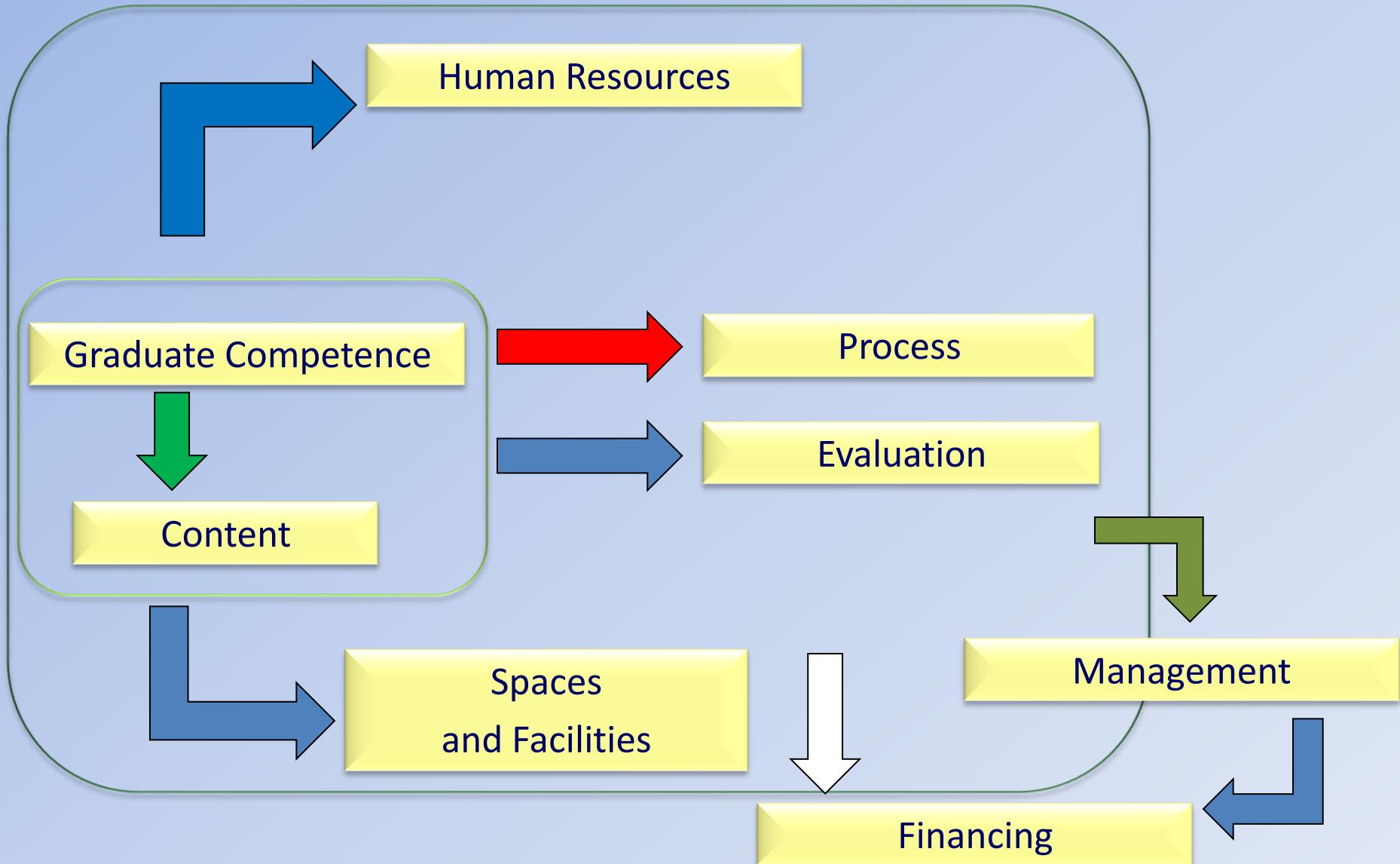
**STANDARD** school



National  
Standard

It is expected that within 5-6 years since the standard is established, the majority of educational institution can comply with the standard

# Eight National Standards for Education





# School spaces and facilities: Some illustrations of current situation





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# School spaces and facilities: Some illustrations of current situation



# **School spaces and facilities:**

Current situation of school spaces and facilities suggest a huge gap in qualities.

How can we ensure good quality of physical learning environment to promote education for all?

How can we promote education for creativity within the current situation of learning environment?



# Standard for school spaces and facilities

Standard of spaces and facilities (*standar sarana & prasarana*) for primary and secondary school was established in 2007 (Ministry Regulation No. 24/2007)

The roles of standard: to guide the processes of **planning, implementation** and **monitoring** of school facilities and infrastructure

All schools should comply with the standards, both newly built school and existing schools, both state and private schools, both big and small schools

# Standard for school spaces and facilities

School site

School building

School spaces:

Classroom, library, laboratory

Teachers' room, headmaster's office, administration office,  
health room (*UKS*), toilet, storage

Circulation space, outdoor play space

School facilities:

Furniture

Learning equipments, learning media

Books & other learning resources

etc

What are the requirements for school spaces and facilities in the standard?

How do they support creative learning process?

## **Site and building**

Sufficient space for site and building floor area

Legal requirements

Requirements for health, safety, security, comfort, accessibility

Provide a physical environment that ensures the well-being of the students and teachers, which becomes a basis for creative learning process



# Classroom

Minimum 2 m<sup>2</sup>/students

Maximum capacity:

28 students/class

(primary school)

32 students/class

(secondary school)

Movable furniture

Display shelf

Display board

Flexible spatial arrangement for various activities that could promote creativity (individual work, group work, performance etc)

Opportunities for students to display their creative works and creative expression

# Library

Minimum size = classroom

Located in strategic place

Minimum 1000 exemplar of fiction/non-fiction collection

Library is considered as an important & integral part for learning process

Provide information access that is needed as the basis for creative development

# Laboratory

Science laboratory  
(primary school)

Biology, physics, chemistry  
laboratory

IT laboratory

Language laboratory  
(secondary school)

Provide spaces for hands-on activities and experiments that are important for creative and critical thinking

Provide access to worldwide information that could foster creative thinking

# Teacher's room

Minimum 4 m<sup>2</sup>/teacher

Teachers' role is appreciated as a full time position and professional job

Provide space to support teachers in preparing lesson, conducting research and other activities

Happy teachers would motivate happy, creative students

## **Circulation space**

30% of school building floor area is dedicated for circulation space (corridor, hall etc)

It could function as space for playing and informal, social interaction outside the classroom

Informal activities beyond class time is considered as an important aspect of education process

Informal space and time provide opportunities to develop creative ideas

# Outdoor space

Minimum 3 m<sup>2</sup>/students

Can be used for play, sport, health education, and extracurricular activities

Outdoor activities are considered as an important aspect of education process

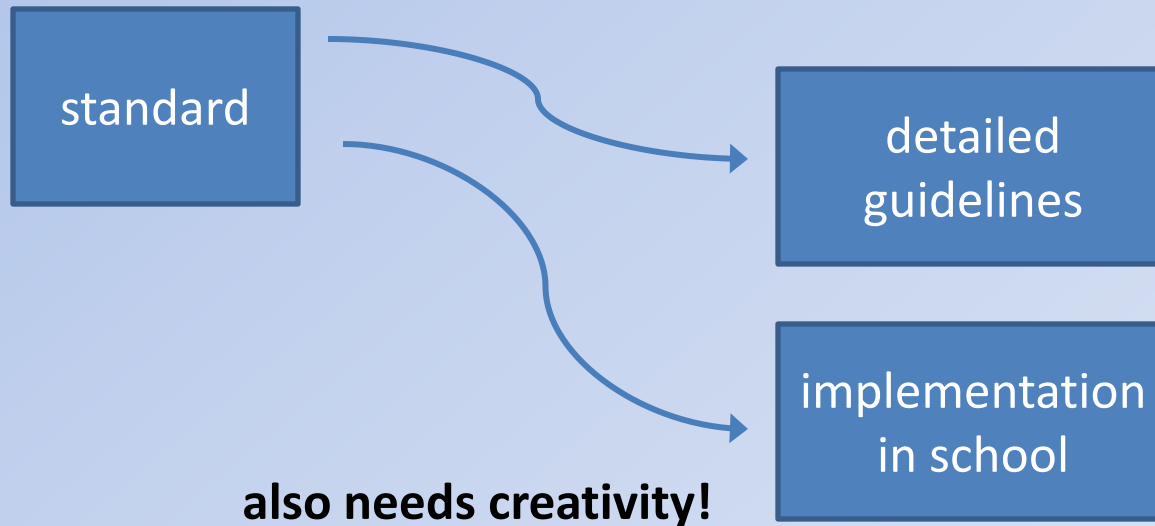
Outdoor space can be used for various learning activities (observation, experiment, performance etc)

Outdoor opportunities encourage freedom, happiness and eventually would lead to creativity

# From standard to implementation

Standard of school spaces and facilities should be seen as a basis to provide various opportunities that could promote and support creativity

Standard is not limiting; it provides options/alternatives





# **Ways forward to the future of creative learning spaces**

We need to think of school spaces and facilities not simply as physical provision, but as an important component that support the creative learning process.

There is a need to build strong relationship between physical learning environment and other aspects of education process (learning program, educational approach, management, budget commitment etc).

# THANK YOU

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