Agenda 2.3 11 October 2017

Development of Play Spaces to Enhance Wellbeing of Early Childhood and Primary Schoolchildren

1. Definition

Play *refers to* activity that brings pleasurable and happy feelings as well as learning and creative development. It also includes playing with parents from the time of infancy and with others, playing with toys, available devices, IT games, free invention of playthings and items, or doing any activity, e.g. gardening or sport, among other things.

Play space *refers to* an area that the child can get access to, an area that has been developed and organized as a place for pleasurable activity, learning creativity, and happy safe experience, all contributing to child wellbeing. A child play space can be anywhere where play activity is held, ranging from the parent's body or a room to areas in the household and in the community, including natural and safe environment, supported by community members concerned. In this regard, a playground is a type of space, usually situated in the open air.

Amusement park *refers to* a place that features various attractions and is more than a public park or general playground. It is created for pleasurable recreation, attracting fun-loving people, mostly for commercial purposes.

Early childhood and primary schoolchildren, in general, refer to pre-teen children.

Early childhood *refers to* children less than six years old or from birth to kindergarten.

Primary schoolchildren *refer to* children from six to twelve years old or those in primary schools.

Wellbeing or health *refers to* the state of human being which is perfect in physical, mental, spiritual, and social aspects, all of which are holistic in balance.

2. <u>Background/significance of the issue</u>

2.1 Significance

Play is an essential part of a child's life. Children learn and develop through play. Medical researches confirm that play significantly contributes to brain development, as it stimulates an increase of nerve signals and better coordination between neurons and the body function.

Play of early childhood and primary schoolchildren is important and invaluable, because at this age the appropriate learning is "through play and with happiness". Play, when equipped with enabling factors, will help promote good physical, mental, intellectual, emotional, social and disciplined development, analytical thinking, creativity, adaption, and reduction of accidents, including prevention and problem-solving skills. Children will acquire various dimensions of development, such as emotional

development and interaction with others. All this will need good care providers, safety measures and other appropriate enabling factors.

Play differs according to age and context. Consideration, therefore, must be given to age differences. This is especially more so, when children are teenagers, i.e. 13 years and above, the difference in the play process and provision of care will be more different from primary schoolchildren.

A number of existing agreements and legal provisions support and attach importance to the fact that children need appropriate and safe play spaces, leading to health enhancement and equality (see Annex 1). One must not forget homeless children, child orphans, and children in distress and with disabilities, while consideration must take into account the Child Protection Act B.E. 2546 (2003), Chapter 2 on Treatment of the Child

2.2 Situation and issues for consideration

1) Lack of awareness of the importance of play for health-enhancing purposes

The International Play Right Association (IPA) has announced the Declaration on the Importance of Play reaffirming the child's right to play and expressing concern about a menacing trend and negative effects on child development. Apparently, society shows indifference to the importance of play, while putting greater emphasis on theoretical and formal education, unhealthy competition and "winning regardless" mentality in child sports. The issue is more worrisome when play is vital to the child's physical and mental health; it is part of education to play a vital role in family and community life as well as in the interaction between the child and other people of all ages and genders. In addition, the Association has proposed recommendations to implement the child's right to play.

2. Shortage of play spaces able to promote development and safe learning

For Thailand, today, urban children experience a number of constraints, especially when it comes to safe play spaces. The urban environment is invariably characterized by buildings and housing units, not to mention traffic congestion and air pollution. Most children have to go to shopping malls, amusement parks, or pavements to play, while others play video games at home or in computer games shops. Rural children, on the other hand, may have an advantage of having a lot of spaces and natural surroundings. They, too, have to grapple with the safety issue and are often left to play on their own without attendants, while there is little creative play due to shortage of play equipment that enable child development.

Many may feel that Thailand enjoys a lot of spaces that can be made into playgrounds installed with playthings. In reality, there is still an acute shortage in, for instance, play spaces, management, and knowledge about play processes able to enhance development and safe learning. For example, the Ministry of Education, by way of the Office of Basic Education Commission (OBEC) has already embarked on the Brain-based Learning Playground Project – or "play in the royal footstep" – together with the Office of Knowledge Management and Development (OKMD) but, during 2016-2017, was able to put in place only 370 playgrounds from among 27,145 schools under its jurisdiction. The Wisdom Playground Foundation has lent its support by participating in the project together with ten other schools and hospitals. Model playgrounds have

been created under the Thai Heath Promotion Foundation (ThaiHealth). The models are still few in number and need to be further replicated.

Such shortage, including children's inability to get access to play spaces, evidently deprives children of opportunity to develop physical skills, fundamental to growth, and process skills, such as problem-solving, decision-making, and reasoning skills, including moral development and other learning and living attributes. It leads to slow development in children, lack of learning motivation, lack of skills necessary to work with others, and lack of responsibility for self and others.

Equally important is the fact that most playgrounds are not properly managed as far as safety is concerned and, therefore, are not truly beneficial to wellbeing of children in terms of child development and creativity.

3) Play spaces and safety

Most children in Thailand play or learn about things around themselves in rather unsafe environments, at home and outside in the community. Young children are left unattended, while school-age children are not sufficiently taught survival skills, thus making accidents the top leading cause of death for children aged one year and above.

3.1) Causes of child injury and death on the playgrounds

A study by the Child Safety Promotion and Prevention Research Center, Faculty of Medicine, Ramathibodi Hospital, Mahidol University, reveals that most playgrounds in the community and schools were inappropriately designed, installed and maintained, leading to frequent child injury. A survey shows 34,075 child injuries per year, with the highest number found in the age group of 5-12 years.

Playground equipment that cause injuries the most are slide (44%) and swing (33%), followed by climber, merry-go-round and others. The sites where injury occurs include school, village or community residential area, and public park.

Safety problems on playgrounds, causing child death, are: the ground surface is hard and does not absorb the force of the fall; equipment are shaky as they are not properly secured at the base, and can fall easily; some equipment with a tall structure are not equipped with fall protection; and paint on equipment contains high lead concentrations.

In other countries, data are collected to explain the causes of injury and death from play, which eventually leads to safety development. There are now safety standards for play equipment and playgrounds, covering equipment and their inspection by agencies concerned. In Thailand, it is the duty of the Industrial Standard Institute (ISI) to control manufacturing plants, but the standard is confined only to equipment, while the playground safety standard is far from clear. There is no agency with clear responsibility in this area. There are needs to review environmental/play risks and care during play on the basis of which safety can be developed.

Playground equipment that are beneficial and valuable to children must be appropriate to the child's age and development, taking into consideration all the aspects including ground surface, equipment, instructions, and particulars of playground supervisors or attendants when children come to play, and safety about the surrounding, e.g. if the playground is close to water places or roads, fencing must be provided.

3.2) Danger from natural play spaces

A natural environment with trees and water is, perhaps, one of the best play spaces for children. However, it is also a dangerous place if they are negligent or not careful. The top leading cause of death of children between one and 17 years old is accident, while drowning is a leading cause of death in those aged between one and 12 years. Drowning for young children of 1-4 years old often occurs in the household. Primary schoolchildren are drowned in water somewhere away from home; still, it occurs in the residing community or on the way between home and school. This is a place that parents do not keep a watchful eye on, for at this age children like to play with their peers outside. Care providers often think that at this age children should know enough about the risks and can steer clear of danger by themselves. In order to prevent very young children from fatal accidents caused by play in the natural space, it is necessary to give information and create awareness for them and attendants, especially when they come from poor family.

3.3) As of now, there are a number of laws and safety practices in place though they are still fragmented. Some of these laws are 1) Bill on Promotion of Safety in Sports and Recreation for Children and Youth B.E.... proposed by the Ministry of Social Development and Human Security, 2) Sports Authority of Thailand Act B.E. 2558 (2015), 3) Requirements on Safety of Playgrounds and Play Equipment, Installation, Maintenance and Play Attendants issued by the Child Safety Promotion and Prevention Research Center in coordination with 10 other agencies concerned under the support of Health Research Network, National Health Foundation and Thai Health Promotion Foundation (2002), 4) Ministerial Regulation on Control of Play Equipment (2015), and 5) Safety Standards for Play Equipment in Amusement Parks, MoYoPho 9902-59, issued by Department of Public Works and Town Planning, Ministry of Interior (2016). All these legal provisions should be integrated into common guideline and practice.

4) <u>Play space design and management to accommodate appropriate activities and wellbeing enhancement in play spaces</u>

Besides the issue of having insufficient safe play spaces, most playgrounds today have an old-fashioned look, something unappealing and unexciting to children. They are also not in line with the existing safety requirements, thus exposing young schoolchildren to danger and other life risks.

Not only does a design of child play spaces need to take into account the safety requirements, but it should also respond to children's needs and behaviors to ensure effective use. Studies show that the frequency of children's use of play spaces is based on the following factors: 1) play equipment can be adjusted for various uses according to their imagination, 2) play spaces are interesting to them, 3) there is enough shade from trees or buildings, and 4) there are peers to play with. Therefore, play space design should pay attention to these points, making it possible for children to exercise their imagination, originality or creativity by themselves, with safety in mind.

Preparing play spaces is not confined only to playgrounds and equipment. Parents can arrange household areas or adjust some community space for play purposes. It is essential to pay attention to differences in age, sex, personal traits, physical strength, and other special needs. Thus, each area will be arranged accordingly.

The following is an example of how play spaces are organized according to the natural environment and to what the children want. In Endrup, Denmark, a playground

has been in existence for over 50 years where children can build houses or campfires, do simple cooking, make animal shelters, keep pets, or grow plants, using left-over materials given by community members. The playground has now become a children's town where they can think up what they want to play and do with the materials at hand, while the play workers called "play leaders" see to their safety and facilitate. Children learn to make friends with others of different age and sex. They learn how to live together and share things. In some cases, they will learn how to deal with aggressive behaviors. All this is no different from what they will experience in real life when they grow up. This kind of playground concept has spread to several other countries in Europe and Asia, e.g. Hong Kong, India, and Japan. A playground is seen as part of the park of the city even though it is located in a small community area. Community members will provide material and budgetary support and hire play leaders or attendants/wardens.

Play spaces for children after school/class are also important. According to a study on the lives of children and young people in Loei province, 20% do not live with their parents. Usually, after school, they will meet at a friend's house or dormitory and may engage in risky activities or behaviors. Some who go home to an empty house are likely to engage in riskier behaviors. To reduce the risks, a "house afterschool" program is created to provide a creative space for them after class.

5) Management and sustainability problems

Thai society at every level is aware of the significance of child play and has tried to come up with good examples for learning and replication purposes. However, it is no plain sailing, as many do not understand the concept, while there is lack of clarity with regard to available mechanisms for systematic cooperation.

In addition, some issues, such as support for and management of child play spaces, maintenance, safety inspection, and sustainability of the program, will depend on the play attendants and executives of the sites concerned, e.g. school directors, hospital directors, abbots or local administrators. All this gives rise to a sense of uncertainty and unsustainability. If there is some sort of tangible policy in place at national or local level, together with cooperation from all sectors concerned, the problem may be alleviated.

3. Objectives/targets

Early childhood and primary schoolchildren in Thailand are able to get access to safe and wellbeing-enhancing play spaces in a comprehensive and sustainable manner, leading to their happiness and good development – physical, mental, intellectual, emotional, social, and discipline-forming – including ability to think analytically and creatively, ability to adjust oneself, and reduction of accidents.

4. Existing capital or achievements

4.1 Over the last ten years, a "model" has been developed for a wellbeing-enhancing play space for early childhood and primary schoolchildren. It is based on the principle that play is close to nature, with freedom, support, and safety. It has an impact on child wellbeing development, uses materials that are easy to find, is self-managed, and has support groups of various types in schools, hospitals, and community. The following are some examples:

-"The Brain-based Learning Playground Project: Play in the Royal Footstep" was started in 2007 by the Wisdom Playground Foundation, with a focus on free and creative play, in an environment using easy-to-find natural materials. The project began by collecting information and preparing a book called "Play in the Royal Footstep", with support from the Office of Knowledge Management and Development. Volunteer architects, specializing in learning design and management, who have had opportunity to study and follow the movement of playgrounds all over the world for some time, designed the project and acted as advisors. The project, allowing the children to create their own play, was implemented through the model school and has expanded into a network of schools under primary education service area offices in several provinces and Bangkok, hospitals, religious places, and so on. It has generated knowledge on play space design and constructed low-cost play equipment close to nature and easy to maintain, as well as other innovations through mutual consultation on a regular basis.

-"The Brain-based Learning Playground Project (BBL): Play in the Royal Footstep" is a project of cooperation between the Office of Basic Education Commission (OBEC), Office of Knowledge Management and Development (OKMD), and Nakhon Sawan Primary Education Service Area Office 1. With its own budget, the project provides opportunity for an exchange of learning, training of personnel, development of activities and knowledge, organization of systematic learning, supervision, monitoring and follow-up. All this is geared toward play space development and the learning design process along the line of the brain-based development concept. In 2017 an attempt was made to document lessons learned from playgrounds in 189 schools and a plan is made for 2018 to have another 183 model schools with brain-based learning playgrounds, raising the number to 372 schools. The project sees a collection of knowledge and experience derived from practice and development. Contacts are made, exchanging practical and problem-solving experiences on a regular basis, by way of the Internet, joint meetings and field visits. In addition, there is a project "Development of Knowledge on Play to Promote Brain Development for Parents".

-"Model health-enhancing playground" project, supported by Thai Health Promotion Foundation (ThaiHealth), consists of a number of elements, including the following: (1) creative media in more than 500 child development centers across the country, (2) capacity building of teachers as organizers of the process of playing and learning through media and creative space, (3) development of media kits and sets of knowledge, e.g. development of learning activities through creative play media for 365 days, development of knowledge (Active Play), development of the website www.kidactiveplay.com explaining and collecting methods and formats of many creative plays.

- Hospitals with model playgrounds, together with university professors of pediatrics, generate knowledge and activities on development and give health knowledge to children and their family, using playgrounds as props, e.g. Ban Bueng Hospital, Chao Phraya Abhaibhubate Hospital.
- Foundation for Child Development undertakes the following work: (1) generating knowledge and model of "Play for Child Life", comprising the concept and organization of play spaces (environmental development for child development), (2) training of play facilitators (play attendants/wardens) and organization of play spaces with community participation, and (3) organization of play spaces for vulnerable children in need of help. The work of the foundation is based on research findings.

- Bureau of Health Promotion, Department of Health, Ministry of Public Health, has developed a manual of general and national standards for child development centers (for children aged 2-5 years), specifying requirements on the management of the environment outside the building and on the management of playgrounds and equipment.

- 4.2 On the creation of "playground attendants/wardens" several sectors e.g. curriculum development group, Bureau of Academic Affairs and Educational Standards, Office of Basic Education Commission (OBEC), Faculty of Education, Chulalongkorn University, Lampang Rajabhat University, and teachers from schools with model playgrounds are in the process of managing knowledge and developing attendants.
- 4.3 Child and Youth Media Institute has a set of knowledge on play, play manuals, studies on the child's right to play, and lessons learned from the creative media. It promotes creative spaces and turns child development centers in community schools into urban models with three good characteristics, namely good media, good space, and good wisdom, with a development of play networks in the country and abroad.
- 4.4 The Ministry of Public Health, together with Thai Health Promotion Foundation (ThaiHealth), has come up with a strategy of physical activity. The Department of Health has a Green & Clean Hospital project with early childhood development and environmental health as indicators.
- 4.5 The Child Safety Promotion and Prevention Research Center, Faculty of Medicine, Ramathibodi Hospital, studies and supports the implementation of the requirements on playground safety and building of water safety skills for children.
- 4.6 New innovations are created to secure quality and effective play spaces, to ensure better management, and to reduce costs, with participation from playground networks, academics, playground architects, engineers, and educators.
- 4.7 The Industrial Standard Institute (ISI), Ministry of Industry, has prepared a draft standard for field equipment to promote safety. ISI has also set a standard for products for the toy industry ISI.685-2540. In this way, child toys have become control products, whether manufactured or imported, that must meet the required standard.
- 4.8 Several private organizations have already expressed their wish to support the management of play spaces for children. What is needed now is a concrete effort for coordination.

All the efforts and willingness to support, manage and disseminate the knowledge and experience are already there, albeit scattered around. They need to be collected, synthesized, and analyzed by the parties concerned before they are put to use.

5. Structure of national committees concerned

There are three important committees for this matter (chaired by the Prime Minister or deputy prime minister/minister entrusted by the Prime Minister, while other committee members are executives of ministries concerned and qualified persons):

- 5.1 National Early Childhood Development Committee, created by virtue of the regulation of the Prime Minister's Office B.E. 2551 (2008), is chaired by Deputy Prime Minister, with the Office of the Education Council, Ministry of Education, serving as secretariat.
- 5.2 National Commission on the Promotion of Child and Youth Development, created by virtue of the National Promotion of Child and Youth Development Act B.E.

2550 (2007) and its amendment (No. 2) B.E. 2560 (2017), is chaired by Deputy Prime Minister, with the Department of Children and Youth, Ministry of Social Development and Human Security, serving as secretariat.

5.3 National Child Protection Committee, created by virtue of the Child Protection Act B.E. 2546 (2003), is chaired by the Minister of Social Development and Human Security, with the Department of Children and Youth, Ministry of Social Development and Human Security, serving as secretariat.

6. Constraints, problems and obstacles

6.1 Areas to be made into play spaces

One must start with finding a suitable place. It is necessary to coordinate cooperation from the rightful owner of the space concerned and other people concerned with its management in order to reach the objective in a sustainable manner. Such a place must be situated in an appropriate area based on the knowledge of town planning and child safety, while the size is appropriate to the number of children entering the area. At present, there is no such management in any serious way.

6.2 Format of the play space

There are problems due to lack of information and understanding on how to design the play space appropriate to the age, needs and local context. Evidently, each appropriate play space will differ from terrain to terrain, e.g. on the hills, near the sea, or in areas with rainfalls throughout the year.

There are also problems about the safety standard and regulation of play equipment, play process and play space. Most playgrounds do not segregate between young and older children, thus easily leading to potential risks of injuries and accidents, as they have different levels of physical strength and fitness, as well as different levels of learning.

In addition, it is necessary for a play space to meet the needs of children with physical impairments as well as those of the disadvantaged.

6.3 Workers who attend to child play, activities and other events using the space

Play attendants or facilitators ensure that children can play with happiness and fun in a development-enhancing and safe environment. The attendant can be a child, youth, parent, teacher, nurse, community member, or anyone concerned with child development. A play attendant should understand the nature of child play, its use, value, and significance, as well as the application of local resources to child development. He/she should also encourage elderly people to act as volunteers and play a role of attendant or design play activities.

Appropriate activities should be designed to suit children of different age and context. Attendants will help design play activities and use the play space to promote various developmental aspects. At present, there is a considerable shortage of this type of workers, and little effort is made to promote the understanding of such a role.

6.4 Support, mechanisms, and cooperation

Management and preparation: Although it is of primary importance to ensure enough play space for every child to get access to, as it is their right to do so. Yet, equally important is how to manage and prepare play spaces in a sustainable manner. For this to happen, there need to be policies, enabling factors, and participation of all

sectors concerned to ensure that the maintenance and safety inspection systems of the play space function as they should.

Understanding of teachers and parents: What has happened to some playgrounds is that children are not allowed or encouraged to play. Their teachers and parents jump to a mistaken conclusion when they see children climb over a structure, swing around precariously, step in the mud, wade in water, and play with sand. The teachers and parents see children in these activities as getting hurt or dirtied. It is, therefore, important to have in place safety management, make it understood to the public, and encourage their participation.

Monitoring system: Some play spaces can be risky. Accidents can occur from play. One needs to monitor any violation of the rights of the vulnerable. Some may need help. It is imperative to have agencies monitoring and looking into the matter.

6.5 <u>Lack of structure at local and national levels</u> with regard to information follow-up and development of play spaces, including the occurrence of accidents in the play spaces. Such information will lead to possible solutions and prevention. Actually, there are a number of agencies responsible for the management of play spaces. Unfortunately, there is no one center that can act as a clearing house in which overall information can be used to develop and redress the situation.

7. Policy issues for management and problem solving

- 7.1 Taking action to bring about public policies through participation of every sector concerned to allocate safe and accessible play spaces and learning spaces able to promote wellbeing for every child.
- 7.2 Coordinating the cooperation from all parties concerned to bring about play spaces in safe areas and places with an appropriate format. These play spaces can be self-maintained and sustainably managed. For instance, they are regularly maintained. In the long run, there is constant improvement and development with participation from the sectors concerned with their management.
- 7.3 Coordinating with the parties concerned and people in society involving their participation at every step, ranging from maintenance and management of the play spaces on a regular basis to strengthening the capacity of play facilitators and child care measures to ensure play safety and enhance health, wisdom and mental development, e.g. parents, administrators, community member, the elderly, teachers, and students.
- 7.4 Providing resource supports for action to construct and maintain play and learning spaces, including financial support, knowledge, and materials, to responsible agencies and people in the society.
- 7.5 Monitoring and educating early childhood care providers, including creating safety awareness and enhancing life skills for survival for primary schoolchildren, especially on water safety, paying special attention to children from poor family.

8. <u>Issue for consideration of the National Health Assembly</u>

Requesting the National Health Assembly to consider Document HA10/draft Resolution 3 on Development of Play Spaces to Enhance Wellbeing of Early Childhood and Primary Schoolchildren.

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