

INTERNATIONAL CONFERENCE ON SPORT

GOR UNY, Saturday, 12th DECEMBER 2009

Theme
The Development Of Sport Culture
To be Indonesian Civilization



THE OPENING SPEECH ON INTERNATIONAL SEMINAR ON SPORT DECEMBER 12, 2009-12-28 AT INDOOR STADIUM OF YSU

Assalamu'alaikum wr wb

The honorable speakers, Mr. Prof Dr. dr. James Tangkudung, M.Pd, (Minister of Youth and Sport), Mr. Kostadin Angelov, (Bulgaria), mr. Toho Cholik Mutohir, Ph.D, (Head of ISORI), Mr. Lauren (Athletic Coach from France), and Charlotte (Sport Activist, from Netherland),

The distinguished guest Ladies and Gentlemen.

First of all, on behalf of the president of YSU, let me express great thank to God (Allah SWT) who gives us opportunities and health, so that we can join this very important international seminar on development of sport culture toward civil Indonesian society. I do hope international sport seminar can gives us valuable knowledge and experiences.

Secondly, it is my great pleasant to express my warm welcoming to al audiences, especially Mr. Prof Dr. dr. James Tangkudung, M.Pd, (Minister of Youth and Sport), Mr. Kostadin Angelov, (Bulgaria), mr. Toho Cholik Mutohir, Ph.D, (Head of ISORI), Mr. Lauren (Athletic Coach from France), and Charlotte (Sport Activist, from Netherland), who are ready to come this occasion for sharing all issues we are concern. I absolutely expect that this forum forum will be beneficial for all of us, not only

as practitioners, but also as experts.

Thirdly, let me express my thank to the audiences who are interested in joining this very important seminar. I do hope that all audiences can take more advantages, then implement some related ideas in improving the quality of sport in general, and the quality of sport education for all. Beside that also want to thank to all members of committees who spent much time in preparing, organizing, and controlling this event. I absolutely hope that they can have more academical and managerial advantages.

Ladies and gentlemen,

Sport is veri important in our life, because, sport can make us be healthy and fresh. Healthy person can do everything what he/she wants. Healthy person can do more productive result than others. By having good health, we create more ideas. Late cite rasulullah saying, "A'aqlus saliim fil jismis saliim.'

By having awareness of the importance of sport, we have to practice any kind of sport. Let us remember rasulullah saying again: adzdzibuu aulaadakum shibaahata warimaayata, means that teach

your kids with swimming and throwing.

Even though the contribution of sport for our health is so clear, but in the fact that most people are still reluctant to do exercises. As sport community, we have a responsibility to socialize the sport. How to make a sport as culture? We have to condition by using more effective strategies. First, physically, we have to prepare various facilities for sport activities. Secondly, economically, we have to give the user with non-expensive rate. Thirdly, socially, we have to be ready to serve community as coaches for any kinds of sport activities, culturally, we have to develop sport and the culture.

I do hope hat this seminar will have some important result which can be more beneficial for

improving of sport education develop by YSU, especially.

Ladies and gentlement,

Once again, let me express my gratitude to all audiences, especially the honorable speakers and the distinguished guest, for paying attention. I absolutely hope that this seminar will run well. Finally, may I officially declare this nternational seminar by saying "Bismillahi rahmaanir rahiim", may Allah SWT always bless us. Amien

Wabillahit taufiq wal hidayah. Wassalamu'alaikum wr.wb

Dr. H. Rochmat Wahab, M.Pd., M.A. Rector of Yogyakarta State University

i

TABLE OF CONTENT

igkudung,

l sport

ogyakarta d Sport,

ilization oral and

tesmen in

ort. His

on. His elopment

ment

bout "the

he

	Opening Speech	
ı	Dr. U. Dochmat Wahah, M. Pd. M.A.	•
	Rektor of Yogyakarta State University	i
	Sumaryanto M Kes	ii
	Dean of Sport Science Faculty Yogyakarta State University	п
	Tabel of Content	iii
	Tabel of Content	
	Vermata Chaolzona	
	Keynote Speakers 1 Pengembangan Budaya Olahraga Menuju Indonesia Madani	
	Prof. Dr. James Tangkudung, Sportmed, M.Pd.	1
	Staff Ahli Kementrian Negara Pemuda dan Olahraga RI	
	2 Revitalisasi ISORI Sebagai Organisasi Profesional	7
	Prof. Toho Cholik Mutohir, Ph.D.	3. 5 .0
	Ketua Umum ISORI Pusat	
	3 Comparative Study in Sport (Football) in Bulgarian and Indonesia	17
ı	Costadin Angelov Soccer Coach of Pro Duta From Bulgaria	
ı	M. Hilatonal Dayslamment in Athletic	
ı	Laurent	21
ı	Athletic Coach form France	
ı	5 How To Become At The Top In The World Of Hockey	29
ı	Oh - alatta Dantom	-,
ı	Hockey Coach from Netherland	
ı		
ı	Parallel Presentation	
ı	1 Motivation: Fuel Of Achievement	38
ı	Heny Setyawati, Semarang State University	
ı	The Effect Of Anaerobic Interval Training And Arm Power On The Front Crawl Style	41
ı	Of 100 Meter-Swimming Speed Heri Pendianto, UTP of Surakarta	7.
ı	- 1 - 1 - 1 - 1 D 1 To Iliting Down Accessment (m Radminton (dame	400
ı	Harmawan Pamot Rahario Semarang State University	47
ı	A The Contribution And The Exploitation of The Bedugul Natural Resources In Tabanan	
ı	In Opening The Outhound Sport Tourism Business	53
ı	I Kadek Hanny Kardiawan & Suratmin, Ganesha University Of Education	
ı	5 Implementation Training Of Candidate Instructor Gymnastic Aerobic At Semarang	
ı	City (Study In St Anna Gymnastic, Astuti Aerobic Dance And Dian Gymnastic At	57
ı	Semarang City) Ipang SetiawanSemarang State University	
ı		
ı	Education And Sport	62
ı	Ismaryati, University Of Sebelas Maret	
ı	7 Endurance In Athlete	68
ı	Musysfori Waluyo Semarang State University	
ı	8 The Development Of Computer Media For Senior High School Sport Education	70
ı	Teaching And Learning Activities	70
ı	Titik Nur Haida & Nur Sita Utami, Yogyakarta State University	
ı	9 The Effect of Teaching Style And Friends Conformity On The Improvement Of Basic	74
	Technique Skill Of Volleyball Playing Nur Rohmah Muktiani, Yogyakarta State University	77
	a . T I . D I A. National Industrial Strongth Rage	٥,
	Nuruddin Priva Rudi Santoso, Yogyakarta State University	80
	11 Sport Industry Development As A National Industrial Strength Basic	87
	Putut Marhaento, Yogyakarta State University	0/
	12 Outhound As One Of The Outdoor Education In Elementary School	90
	Yudanto, Yogyakarta State University	5000
ı	13 Contribution Anredera Cordifolia In Sport Medication	94

sia

In collaboration of Faculty of Sport Science Yogyakarta State University, Ministry of Youth and Sport, ISORI, Indonesia Dean Forum of Sport Science Faculty

68	Yogyakarta Special District Sprinter Profiles Of The Year 2009 Endang Rini Sukamti And Yuni Andriyani, Yogyakarta State University
69	Dunger Of Igarette Smoke For Human Health
70	I Ketut Sudiana, Ganesha University Of Education
	Yudik Prasetyo, Yogyakarta State University
71	How Sport Can Be Part Of Civil Society ("Madani" Society) Ermawan Susanto, Yogyakarta State University
72	The Effort Of Physical Education Teachers In Developing School Health Centre In
	Elementary School Of Sungailiat Bangka Sub district
	Erwin Setyo Kriswanto & Sapto Nugroho Agung. S, Yogyakarta State University
73	Problem Identification Of Sport Extracurricular In Senior High Schools In Bantul
70	Region DIY
	Iwan Marchumara & Erwin Setyo Kriswanto, Yogyakarta State University
74	Gymnastics in Physical Education For Kinderaarten
	F. Suharjana, Yogyakarta State University
75	Reward As The Athlete's Motivation Of The Efforts To Be A Champion On A
	Championship So That The Image Of Madani Society Can Be Existed
	Faidillah Kurniawan, Yogyakarta State University
76	Windiffication ()t Philagal Education Loruming
	Farida Mulyaningsih, Yogyakarta State University
78	Body Fat Percentage On Obese Adolescent Girl Decrease With Low Intensity Weight
	Training
	Febriani Fajar Ekawati, Sebelas Maret University Surakarta.
79	Evaluation Of Physical Education Learning Program
	Guntur, Yogyakarta State University
80	Brain Gym Improves Multiple Intelligences
0	Hari Yuliarto, Yogyakarta State University
81	The Influence Of Aerobic Exercise On Lumphocute Proliferation Response Of Ralb /C
	Mice Infected By Salmonella Typhimurium
0-	Hartati Eko Wardani, Malang State University
82	Reviewing Substance Of Physical Education Curriculum For Children At Pre-School
	(Kindergarten) And Elementary School On The 1st Grade
90	Hedi Ardiyanto Hermawan, Yogyakarta State University
83	Role Of Physical Education Development For Health And Physical Child Growth
84	Hendrik Mentara, University Of Tadulako
04	Building The Personality Of Students Through Competitive Approach On Physical Education Learning
	Vudente & Hedi Andironte Herman X
Q_	Yudanto & Hedi Ardiyanto Hermawan, Yogyakarta State University
85	Physical Education Blog For Instructional Media In Digital Era
86	Saryono, Yogyakarta State University
00	Vudik Prasatyo Vogyakarta Stata University
87	Yudik Prasetyo, Yogyakarta State University
0,	Sugiharto, Semarang State University
88	Sporting Injury
h managar	Wahadi, Semarang State University.
89	Building Tourism And Balinese Culture Through The Development Of Sport Tourism
	Suratmin, Ganesha Education University.
90	Shutlecock, Potency Of Badminton Industry And Free Market Opportunity
	In Globalization Era To Face Sea Games 2011
	Sugiharto, Semarang State University
91	A Perspective About Better Weight Training For Women Gumnast
	Abdul Aziz Hakim And Sherly Novitasari
	Surabaya State University and Gymnastic Coach Of Indonesia
92	Competitive Sports Profiles Of Yoguakarta
	Rumpis Agus Sudarko, Yogyakarta State University
93	The Difference Between Teaching Method Of The Pure Part Method And The
	Progressive Part Method On The Results In Learning Crawl Swimming Style For Male
	Students In Junior High School 5 Yogyakarta
	Subagyo, Yogyakarta State University

BRAIN GYM IMPROVES MULTIPLE INTELLIGENCES

By Hari Yuliarto Yogyakarta State University

ABSTRACT

Brain Gym is a program of 26 physical movements that enhance learning & performance in all areas. Brain Gym is an innovative new approach to learning that was drawn from a wide body of research from developmental specialists focused on the role that physical movements played in enhancing learning abilities. Brain Gym has received world wide appraise & is now used in more than 80 countries, taught is thousands of schools & in areas as diverse as the performing arts,athletics & the corporate world. Brain Gym is similar & different to other movement programs in that Brain Gym helps to increase flexibility & coordination, but differs from other programs because it also provides specific activities to facilitate brain function for physical skills required for activities such as reading, writing & spelling. These activities are designed to integrate body & mind and can bring about rapid and often dramatic improvements in concentration, memory, reading, writing, organising, listening, physical coordination & more. Brain Gym is based on three simple principles: (1) Learning is a pleasant and natural activity which goes on throughout our whole lives; (2) Learning blocks are caused by the student it's incapacity of coping with anxiety and stress derived by a task which is perceived as "too difficult"; (3) We are all more or less blocked as far as learning is concerned since we have all learned not to move.

Keywords: Brain Gym, multiple intelligences

INTRODUCTION

Brain Gym is a program of 26 physical movements that enhance learning & performance in all areas. Brain Gym is an innovative new approach to learning that was drawn from a wide body of research from developmental specialists focused on the role that physical movements played in enhancing learning abilities. Brain Gym has received world wide appraise & is now used in more than 80 countries, taught is thousands of schools & in areas as diverse as the performing arts, athletics & the corporate world.

Brain Gym is a program of 26 physical movements that enhance learning & performance in all areas. Developed in the 1970's through the work of educators Dr. Paul & Gail Dennison in response to their quest to seek more effective ways to help children & adults with learning difficulties. Brain Gym is an innovative new approach to learning that was drawn from a wide body of research from developmental specialists focused on the role that physical movements played in enhancing learning abilities. Brain Gym has received world wide appraise & is now used in more than 80 countries, taught is thousands of schools & in areas as diverse as the performing arts, athletics & the corporate world. Brain Gym is similar & different to other movement programs in that Brain Gym helps to increase flexibility & coordination, but differs from other programs because it also provides specific activities to facilitate brain function for physical skills required for activities such as reading, writing & spelling. (http://babybraingym.blogspot.com/2008/10/what-is-brain-gym.html).

Mode Of Action Of Brain Gym

In nature, the brain's neural pathways & connections are developed through movement. Brain Gym works by promoting specific movement experiences which assist in facilitating optimal achievement of mental potential. All acts of speech, learning, vision & coordination are learned through a complex repertoire of movement. Brain Gym through its specific movement exercises program promotes the efficient communication amongst these many nerve cells & functional centres located throughout the brain's sensory motor system. Learning problems arise when communication between these centres, for example, when the eyes & ears are blocked. Brian Gym exercises stimulate the flow of information within the brain & sensory system freeing the innate ability to learn & function at top efficiency.

Game Advantage Of Brain Gym

Brain Gym can be used to enhance learning abilities for both excellent learners as well as those who find learning a challenge. Brain Gym incorporates 26 easy & enjoyable targeted activities which are fully explained in the Brain Gym® Teacher's Edition. These activities are designed to integrate body & mind and can bring about rapid and often dramatic improvements in concentration, memory, reading, writing, organising, listening, physical coordination & more. Brain Gym can also help overcome Attention Deficit Disorder (ADD) & Attention Deficit Hyperactivity Disorder (ADHD),kids with special needs, brain damage & severe learning challenges. These students will positively benefit from Brain Gym as is attested by thousands of families and its long use over many years. Brain Gym is

In collaboration of Faculty of Sport Science Yogyakarta State University, Ministry of Youth and Sport, ISORI, Indonesia Dean Forum of Sport Science Faculty 404 fun & easy to do especially if done to music,we stock a selection of Brain Gym Music CD'swhich can be used to do Brain Gym activities. Brain Gym requires no special talents & can be enjoyed by everyone.

(http://babybraingym.blogspot.com/2008/10/what-is-brain-gym.html).

Muscle test and noticing applicable to detect resistance and determines movement what which can balance brain to can apply all potency owned by someone. Why brain gym is required? Between by (1) Someone who has made every effort that there are still find difficulties learning causing experiences stress brain; (2) Mechanism of integration of brain weakens so that parts of certain brain unable to function; (3) Because reflex stress, information received in backside brain difficult to be expressed through brain frontage, so that child of feeling indigent; (4) Feeling of indigent and unable to successfully results spirit [of] learning or works decreasing, so that its(the achievement declines statis even declines. Pass muscle test is known resistances in body having an in with ability to learn and adding capacity, with brain gym can assist opens parts of previous brain closed or pursued so that learning activity, works and having activity takes place carefully because use all brain (E Demuth, 2009:1).

With existence of cooperation between third of above dimension is expected happened balance

of all system causing facilitates in communicating, understanding and arrangement.

While at movement of corporeal freshness with medium rhythms of low impact high intensity adapted for by educative participant capacities of elementary school, without leaving elements: warm-up; core and refrigeration. Combination both creating a multifarious motion dynamics referring to happy, fitness, and study at inuring of different pattern.

Purpose Of Doing Brain Gym

With movements pattern outside from the habit is expected:

Forms balance of brain at educative participant.

2. Maximizes in an optimal fashion parts of brain.

3. Balance in slow rotation to quick turn and or on the contrary.

4. Fitness of optimal physical at educative participant.

5. Socializes moving at educative participant.

(http://www1.kemenegpora.go.id/index.php?option=com content&task=view&id=2415)

To explain how Edu-K works, the Dennisons describe human brain function in terms of three dimensions: laterality, focus, and centering. Successful brain function requires efficient connections across the neural pathways located throughout the brain. Stress inhibits these connections, while the Brain Gym movements stimulate a flow of information along these networks, restoring the innate ability to learn and function with curiosity and joy.

The Laterality Dimension pertains to the relationship between the two sides of the brain - especially in the midfield, where the two sides must integrate. Laterality skills are fundamental to reading, writing, listening, or speaking. They are essential for the patterning of whole-body movement,

and for the ability to move and think at the same time.

The Focus Dimension describes the relationship between the back and front areas of the brain. Focus affects comprehension - the ability to blend context and details into a full personal meaning and to understand new information in terms of previous experience. Attention disorders (ADD or ADHD) are related to the inability to focus.

The Centering Dimension concerns the connection between the top and bottom structures of the brain. Centering enables us to harmonize emotion with rational thought. Stress can disturb centering and equilibrium, leaving us tense and out of sorts; when we're centered, we feel more

grounded and organized.

People of many nationalities enjoy the Brain Gym movements in classrooms and businesses worldwide, as a tool to integrate the brain before learning, work, or sports activities, as well as during breaks. Individuals obtain more specific results in private consultations by setting a goal, doing certain Brain Gym movements to integrate the brain for this activity, and then repeating the activity to validate that the new learning has occurred. The positive results of these private sessions are evident immediately and increase over time.

Brain Gym benefits include improvements in learning, vision, memory, expression, and movement abilities, in both young people and adults. In the classroom, teachers typically report improvements in attitude, attention, homework, behavior, and academic performance for the entire

class.

 $(http://www.braingym.com/index.php?option=com_content \& view=article \& id=2 \& Itemid=3).\\$

Brain Gym Is Based On Three Simple Principles:

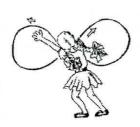
- Learning is a pleasant and natural activity which goes on throughout our whole lives
- Learning blocks are caused by the student it's incapacity of coping with anxiety and stress derived by a task which is perceived as "too difficult"
- We are all more or less blocked as far as learning is concerned since we have all learned not to move.

Kinds of Movement in Brain Gym

Lateralization

It concerns the way the left and right hemispheres interact. The left hemisphere is specialized in sequential logical operations (language and logics), while the right one allows us a holistic global vision of reality (music and spatiality).

vision of reality (music and spatiality).		
	Cross crawls Students alternately move their arms towards the opposite leg and then vice versa. Since each limb is governed by the hemisphere of the opposite side, this exercise facilitates connection between the two hemispheres.	
	Lazy eight's The activity consists in drawing horizontal eight's in the air with your hands. It activates brain and improves: eye-muscles coordination connection between hemispheres bi-ocular and peripheral vision reading speed.	
	Double doodle This is a bilateral drawing activity which consists in sketching two images with both hands. It improves these learning skills: understanding of writing symbols spelling accurateness Maths calculations.	



The elephant

This movement activates the inner ear for improved balance and so integrates the brain for listening with both ears. It improves: listening comprehension and attention short- and long-term memory thinking ability

Focalization

Focalization exercises help students to develop and reinforce those neural paths which link what they already know (which lays in the back of their brain) with the ability to process and express the information (frontal lobes)



The owl

The owl's movements improve visual and auditory skills and also head rotation. They lessen the neck tension which develops in distressing conditions. The owl lengthens neck and shoulders' muscles while reestablishing width of movement and facilitating the blood flow to the brain. It enhances: attention and memory.



The active arm

The active arm lengthens muscles in the upper part of chest and shoulders. When these muscles are contracted writing and tool controlling skills are inhibited. It activates the brain for: expressive reading

diaphragm relaxation and deep breathing hand-eye coordination and tool controlling skills.



The gravitational glider

The movement uses balance and gravity in order to lessen tension in the hips and pelvic area thus allowing to student to discover more comfortable postures when sitting or standing up. It betters: reading comprehension mental Maths calculations abstract thinking.



The rocker

The rocker massages the hamstring and gluteus muscle groups (the bottom, in other words...). It can be very pleasant after hours spent sitting in the classroom. It also stimulates the circulation of the cerebrospinal fluid into the spinal column and activate the brain for: study skills

left-to-right visual skills attention and comprehension.

Centralization

These are mostly relaxation exercises which help to reestablish the neural networks between brain and body and, this way, facilitating the passage of electromagnetic flow through the body. These activities help the chemical and electrical processes which take place during mental and physical efforts.



Brain buttons

One hand massages two spots below the clavicle while the other rests on the navel. The movements stimulates the carotid artery and this way enhances the blood flow to the brain. It activates the brain for: reading skills memorization.



Earth buttons

One hand fingers rest on the lower lip while the others stay on the pubic bone. While having the sensation of a better connection between the upper and lower parts of the body the students feels more stable and centered. It improves: reading skills.



Balance buttons

These buttons reestablish balance in every dimension: left-right, aboveunder, behind-before. The student massages the spot where the skull is attached to the neck and, at the same time, the navel. It improves the next learning skills:

critical and decisional capacities spelling accurateness Maths calculations.

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408



Space buttons

One hand rests on the upper lip while the other lays on the back-bone. It activates the brain for:

relaxation and concentration

eye-contact in communication with people

It improves these learning skills:

focusing during a test

reading

motivation and interest.



The thinking cap

This activity helps the student to focus attention on hearing. It also lessens tension in skull bones. The student gently pulls ears backwards and unrolls them with fingers. They start from the top of the ear, massage them delicately and end on the lobe. It activates brain for:

hearing one's voice

short-term memory

inner dialogue and thinking.



Hook-ups

The exercise can be done while standing, sitting or lying down. Students cross the left ankle on the right one. Then they intertwine fingers and bring them near the chest. They close their eyes, breathe deeply for a few minutes and relax. Then students free hands and legs and finger tips touch gently while they keep on breathing deeply. Hook-ups help: mind and body relaxation



The energetic yawn

Don't get angry at your students if they yawn during English classrooms!

Not now that you know that scientific research has proved yawing to be a
perfect exercise which brings oxygen to the brain and so enhances
learning performances!

Brain gym developed in the year 1980 an for children finding difficulties learning. Brain gym shows a real good result and more and more applied by various age factions with various learning challenges in more than 80 states. Some movement brain gym hardly easy to be done for child of age early so that development delay or inappropriate earned easily is handled. According To Carla H , a Neurophysiolist, Educator, and Brain Gym Teacher/ Consultant (Elis Demut, 2009:1) there are some important thing about movement and at the age of how much/many part of brain is growing, that is: Conception until age 15 months ? Brain reptile/ brain stem

Basic need lives on: food, feels safe and balmy, protected. Expansion of sensori starts with system vestibular, then hearing, tactile. Kiss, tastes, sees, activates variously. Expansion of motorik from various movement of reflex to movement of core body (core muscle), nape, hand and foot/feet accompanies to ability of body rotary, sits, crawls and street exploration motorik.

Age 15 months to 4,5 years ? System limbic/ centered brain

Understanding of others; emotion; language. exploration of Emotion; exploration communications; imagine; more and more harsh motorik paintbrush; expansion of memory and the relation of social

Age 4,5 years until 7 year? Brain Gestalt/ starboard brain

Process public impression; cognate recognition and mind; picture / movement / rhythm / emotion / instuisi. Haves a loose tongue and mind integrative

Age 7-9 years upward. Linguistic / logical brain / left part brain

Processing of thing which more detail and linear. Deepens language, precise time to learn reads and writes and linear mathematics. Certain technics expansion like music, art, athletics, dances, hand skill. Age 8 year. Brain frontage (frontal lobe elaboration)

Expansion of motorik smooth increased skill, Speaks at heart more masteringly is behaviour social. smooth Motorik for both eyes works along, like to read (tracking and foveal focus) focus two

Age 9-12 Years ' The Increasing Of Elaborasi in Corpus Callosum and Myelinasi Learning process with all brain

Age 12-16 Years ' Development Hormonal

Gets wise to body, about self and others, societal life and way of living meaning through social awareness.

Age 16-21 Years ' Refines, Sharpens Cognate Ability

Learning process with all body and soul, interaction of social, plans future, plays with new idea and

Age 21 Years Upward ' Expansion and improvement of ability of brain frontage

Global mind and thinks at high level, formally rational

Emotion more and more is expressed with interest precise: not egoist, loves, feels pity for others. Deeper understanding of ownself. Skilled of smooth motorik more and more acurate and smooth.

Multiple Intelligences

Intellegence of multiple is various intellegence types which can be developed at child, for example verbal-linguistik (ability elaborates mind in sentences, presentation, oration, article), logicalmathematical (ability applies is logika-matematic in breaking various problems), visual of spatial (ability thinks three dimention), bodily-kinesthetic (motion skill, dances, athletics), musical (sensitivity and ability of expression with sound, tone, melody, rhythm), intrapersonal (ability comprehends and haves a command over self), interpersonal (ability comprehends and adapts to others), naturalist (ability comprehends and exploits area).

Builds all intellegence is supposing builds a tent is height having some sticks as the prop. Increasingly same prop sticks height increasingly the tent steady stood. To be seriously smart meaned has high score at all intellegence of multiple/ the compound. Although hardly seldom someone has high intellegence in all areas, usually man which really succeeding has combination 4 or 5 uppermost intellegence. Albert Einstein, famous of jenius in science area, simply also very smart in playing violin and matemátika. And So It Is With Leonardo Da Vinci having remarkable intellegence in the field of processing body. art, architecture, matemátika (Andiyda, http://info.balitacerdas.com/mod.php).

Research indicates that just genetic factor insufficient for someone to develop its(the intellegence maximumly. Exactly the role of parent in giving practices and area that is is supporting far more important in determining development of intellegence of a child. So, to guarantee child future that is success, cannot reckon on school success as of eye. Old fellow must make the best of find and develops as many as possible intellegence owned by each child.

or Gardner there is no child of amentia or bright, the is uppermost child in one or some intellegence types. Thereby, in assessing and stimulates child intellegence, parent and teacher righteously with jelly and careful designs a special method. In stimulating child intellegence, can be told, certain intellegence it is possible that is sharpened in order to become skillful.

Intellegence of unlimited somebody. Each and everyone has assorted of intellegence, but with different wight. Weak something in one sides, but very strong on the other side. What required in not only intellectual ability only, but ability and willingness in exploiting and assorted exploration of the potency, that is why poison there are man that is is not is school finish or even have never gone to school at all can become writer, entrepreneur, actor, inventor, first person and successful leader. It all because they a student and has intellegence that is is not limited by education formality. Intellegence cannot be measured by comparing to intellegence of others like system ranking. Intellegence measured from him self, how big potency owned by someone and how big output yielded. Increasingly solvent someone exploits potency, increasingly increases also the intellegence. (Heri S, 2006 dalam http://zkarnain.multiply.com/lingks/item/12).

CONCLUSION

Brain Gym is based on three simple principles: (1) Learning is a pleasant and natural activity which goes on throughout our whole lives; (2) Learning blocks are caused by the student it's incapacity of coping with anxiety and stress derived by a task which is perceived as "too difficult"; (3) We are all more or less blocked as far as learning is concerned since we have all learned not to move.

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REFERENCES

Andiyda M.dalam http://info.balitacerdas.com/mod.php?mod=userpage & menú =304 & page_id=9). Diakses Jumat, 13 Februari 2009 pk. 14.35

Elis Demuth. (2009). Perkembangan Otak dan Brain Gym. YAKINDO Heri S, 2006 dalam http://zkarnain.multiply.com/lingks/item/12. Diakses

Selasa 17 Februari 2009 pk. 12.10

Pengembangan Aktifitas Senam Otak (Brain Gym) http://www1.kemenegpora.go.id/index.php?option=com_content&task=view&id=2415; Kamis, 10 des 09 pk.22.10What is Brain Gym?. http://www.witchhazel.it/braingym.htm. diakses kamis,10 Desember 2009 Pukul .22.15

What Are Educational Kinesiology and Brain Gym®?. http://www.braingym.com/index.php?option=com_content&view=article&id=2&Itemid=3(diakses Selasa 8 Desember 2009 pk.22.40

(http://www.braingym.com/index.php?option=com_content&view=article&id=2&Itemid=3(diakses selasa 8 Desember 2009 pk.22.40)