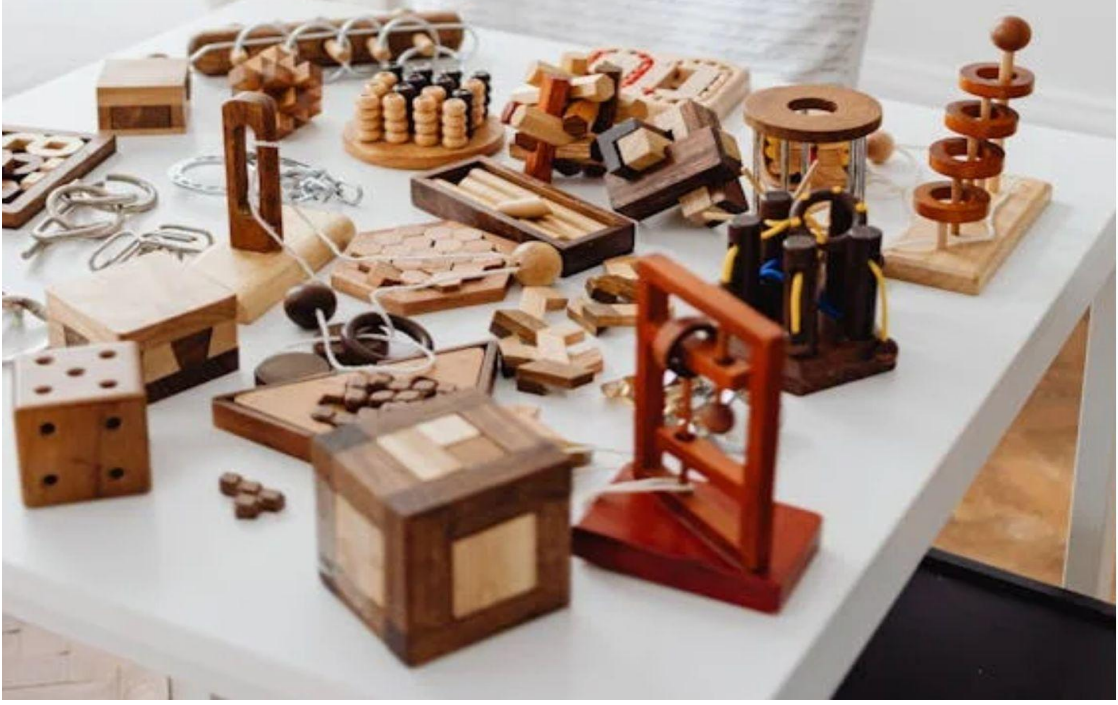


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THE ARTS OF META LOGICS



In the Mind of a Child

My mother taught me about everything I know. At night when we go to bed, she always reads me many books to send me to sleeps, with her tight hugs and her warm smiles and tender kisses.

My mother was always using many beautiful expressions to creates dramatical effects upon delivering any story that she reads to me and my little brother.

She even able to imaginatively creates her own stories to taught us about virtuous matters. About a mouse deer that stole cucumbers, to teach us the importance of honesty.

Also about a mouse deer that trespasses a farm fields and being captured. To teach us the importance of understanding that everyone has their own territory, and everyone has sets their own barriers, with their own rules and their own restrictions.

Being able to understand this, then enable us to respects other people's basic personal distance profoundly. This comprehension then sets us to protects ourselves from many harm.

The Basic Logical Settings

At the age of two, my mother also taught me and my little brother to know the importance of self learning. That if we were pursuing any comprehension to gain at any matters, we can independently do it by ourself. Mom tells us that if we can read books by our own we can study more about many things.

My mother also taught me about the numbers that I use to count apples or oranges. She drew the numbers on the paper. Then she motivates me to learn about mathematical equations by writing the numbers and the math symbols.

At this early age, me and my brother are encouraged to write our own mathematical equations if she was handing over certain mathematical questions with any things to count around us. Starting from counting crayons, pencils, and pebbles.

Mom also encourages that if I can count, then I also can understand foreign languages. She was fun and always cheers whenever we can solve her equations.

Our Mother taught us to love science. To understand that the world can be seen as explanations of verbal symbolic comprehension. That everything we saw can be written back with our own understanding. That science are built by our comprehension of everything around us.

That our mind can be described by verbally written language expressions. That our comprehensions are to be represented by alphabets and numbers.

When I was able to understand about mathematical equations at age 3, and starting to read and understand English language that are using in the TV programs, she told me that I will have fun at school. That I will learn many things, can meet many other children, can asks from many kind teachers.

Every morning, my Mom tying my hair when I was eating breakfast and drink a glass of milk. Then accompany me and my cousins to enter kindergarten at the age of 3. At that time, the public kindergarten was only allowing children from age 5 to enters.

The Science Pursuits

At kindy age, when we are playing with everything around us and starting to know about numbers and how numbers are used to count everything.

Before starting to study at kindergarten, my mother has already taught me about mathematical equations and how to read and write in Bahasa and in English.

My mother always told me that I can asks her about anything. But I will not be satisfied with any explanation she gives. Thus she encouraged me to pursuit science comprehension by my own perspective about anything.

What my Mother did to help me learning? With this scientific motivation, she helps me, my brothers, cousins and friends to;

- Pursue our own definitions and
- setting our own perspective
- gaining independent ground
- set our own terminology
- build our own basic comprehension,
- to sets our own understanding

of how many things revolve and works around us. My mom and all people at our surroundings are always happy if we asks them any questions.

Enforcing Independence

Seeing how happy the grown ups in our surroundings are about every questions we asked. Seeing their large round eyes shaping, with their ear to ear smiles. Then has always encouraged me and my friends and my little brothers to asks them questions about many things.

1. When I was playing with my mother and my little brother, she was the one who was always asking first.
2. At teaching math, my mother asks of How much are these? When I am being given certain number of raisins.
3. To make us realizing our own intentions and interest, Mom was also always asking me about what I like.
4. To grow our habit of democracy, Mom always asked me on what I choose, at every matters.

This freedom and motivations drives me and other children around us to grow many good thinking habit. And to grow various psychological skills and self help habit. My mother and all people in our surroundings at that time has largely helps us to make me have my own set of confident, to build my own definitions of independence thinking and to give us freedom to deciding everything by our self.

The Early Questions

After gaining basic knowledge on numbers, alphabets and equations formulations, my mother taught me the habit to write what I think, into mathematical formulations.

When playing with other children, as we are learning about;

- how many marbles we has in our hand,
- how many stones we are using to play.

All of us then writing the equation formulations by using match sticks, in the sands of the badminton field where we are playing at.

Then the questions started to get heavier.

- How to count the amounts of sands in my hand?
- How to know how many amounts of water I have in my palm when we pouring water to our hand?

I was always asking many questions to my cousins that are also still at kindy, they can only see me with shocks in their eyes.

Then, I continue to asking the same questions to my cousins that are learning at high school. She then taught me that to measure how many water in my hand, that I cannot count it by numerical sequence. But, I can use measuring cup.

Why I have to measure water with cups? She said that I can see the number at the sides of the water level. The level that

the water are filled, are sets as volume. That the counting of volumes can sets in liters and mili liters.

What is volume? I asks. She told me that its how to measure something that cannot be counted one by one because of the small size, or because that the matters can not be separated one by one.

She also taught us that water and sands not only can be measured by using measuring cups, but can also be weighted and measured by using weighted scales. That the counting of volumes can be sets in grams, ounce, and kilo grams.

After several days having fun measuring many things around us by using measuring cups and weighted scales, our cousins also encourage us to write down the mathematical equations of the measurements.

My cousins also encourage us to write down the numbers of ounce of the sands, the numbers of mililiters of the water volumes. They also encourage us to do basic mathematical functions such as additions and substractions when the sands and the waters are being added to or by increased to.

The Early Reading Drives

When I was asking all that to my cousin that are studying in the high school, she can answer me readily. Also, she was then able to explain to me about many matters, about how our physical world works.

When I understand that the matters that I am asking are explained at her school books, then I was intendedly slip to her bedroom and sat on her study desk and opening many of her books there.

I was at that time, trying to see what is it in her school books that made her able to answers many of my questions. Even when I was still unable to read those books proficiently, I was trying to understand the subjects she study at high school, by looking at the pictures in her school books.

Luckily, they are always was very patience and always gives concise explanations, but with the language that a kindy child can understand.

The Bigger Questions

At that time, there has not been any electricity supply that are steadily available and to be generatively spreading across Indonesia.

So, at night, sometimes when there are problems with the electricity happens, and the room at night then are dimmed, we are not stops in asking questions.

Even when the skies went dark, and we only can see with the help of light from fire lamp, we are still wondering about many things.

When the electricity black out, our senses becoming more sensitive. The heavy rains pours heavily with lightning strikes. When the thunder blasted, we are forced to close both of ears because of the intense fears.

Then we are realizing something, because of the heavy thunder sounds. Then I was asking to my mother,

- How to measure sound? Because the thunder hits so severely and makes us scream scarily.
- How to measure light? because the lightning strikes has suddenly brightened the dark rooms.

My mother at that time says that she cannot directly gives me fast answers to both questions. Because she was a educations scholars, not physical scholars.

But we are still trying to make her explain more by asking her about how to measure the matters of Lights and Sounds; .

- What are the ruler that we must use?
- What are the size that can be use to measure it?

Luckily, few days ahead from after that electricity blackout, I can ask my cousins that are studying in high school for getting the answers of the two questions. Then she was showing me about the measurement of Lights and the measurement of sounds, by using her physics high school books.

That the lights can be counted by using lenses. That the sounds can be counted by using decibels. Then our neighbours that are teaching at the college as lecturers, are opening their doors to us to learn about many fields of sciences.

The Primary Experiments

The questions about how to measure lights, was coming when we were playing at the sands field in front of our neighbour house. At that time, I was holding a magnifying glass. Then realizing that there was something that happens.

When not focusing to the sands below the magnifying glass that I was holding in my hand, because my little brother was busy trying to explain something with his blabbering language.

At that time I was trying to be as patient as possible and trying to listen to him, there was few minutes passes by. When I realized, below the magnifying glass was the sands got burned and become darker.

Several days after seeing the explanation at my cousins high school physics books on how to measure lights by using lenses. Then I was asking can we are try to do this count of measuring the lights?

With her profound manner, that what I always love about her, she then tell that certainly, we can try to put that to an experiment, at our neighbour house. He was working as science lecturer at a college in Indonesia. I was forgot where is at.

Coming home from my kindy, and playing in my neighbour house, the sons our neighbour was asking whether I wanted to apply the formula of counting length of lights by using lenses, and trying to do the experiment by our self.

He was then put two lenses side by side. Then he told me about the formula to calculate the lights that are coming through the lenses by certain mathematical divisions.

I was not completely understand about the equations at that time. Because he doesn't show any lights that are coming from any where. Then I ask, where is the light? He said, in front of the lenses. I cant see any lights. But its there. How can you be sure? There's always lights everywhere.

No, this is not enough. I said. Do you have magnifying glass? Why? He asked. Yesterday, the magnifying glass puts several minutes below the sunlights, was resulting the sand burnt. He was quite shock. Was it? Yes. My little brother also saw it.

Then we try the experiment of counting light length by using magnifying glass instead. He was excited. Wow, this is more fun, and the result can be more easily generated.

Then we try to measure the light beam that are seeing through the magnifying glass by using plastic rulers. Because this way can be easily counted.

But the experiment doesn't stops there. I was felt not kind enough to let the lenses serial unattended. Then I found the flashlights near the table. I was then turn on the flashlights beam through the lenses series. The lights experiments was getting more fun! Yeah! This way we can really sees the light. Then the count of the light length becomes more clearer and then can be actually compared to.

Then, we try to put the magnifying glass in front of the lenses series, and shines through the beam from the flashlights. The

further of the light beam resulting becomes more lengthy, so we then tries to put several measurements of different distances between the lenses.

Not only that, we found we have several plastics sheets with different colours that the neighbour sons uses to creates some kind of creativities. We then using the plastic sheets in front of the flashlights, to make the lights shine in different colours passes through the series of lenses. Turns out that there are different light length from different colours.

When we put the flashlight to shine through the magnifying glass in front of the lenses with different distances, with different plastic colours, the effects on the length of lights that are shine through was mesmerizing.

Then we are trying to uses several magnifying glass, combined with several series of lenses, with different plastic colours in front of the vertically positioned flashlights.

Not aware of what can be resulting, we then tries to put a piece of paper to exactly measures the lights length. If the lights colours dots are disappeared from the paper, then the maximum focal length has been exceeded. Just by using this simple experiments of lights, we then noted down several results of different colours light wavelengths.

Realizing the potentials of our little lights experiments, our neighbour father then tries to help us directly. He was asking about what I was trying to do.

I told him that I want to replicate the light burnt effects that has happened in the field at direct sun lights by using

magnifying glass. After using different kinds of flashlights, my neighbour father then helps us.

We failed several times. I was thinking that the light that are resulting from the flashlights are not strong enough. Then I found that we have a tube of tissue paper that can be used to focus the lights. Still not happening. We haven't found any burnt effects from any forms of light colours.

Then I cut the tissue paper tube and fold it to forms a cone. And the cone was put in front of the flashlights, with the opening of the cone was covered in plastic sheets first. We are using several different plastic colours.

The results become more fun! The lights shone through the cone was being more focused. When we closing all the doors and windows, we can directly sees that there are focus light colour beams that are forming through straight line! This is beautiful! I said. Yeah. We can try to make something from this. But how about the burnt effects? Its still not happening!

My neighbour said that I have to go abroad to conduct the experiments. I was not interested of doing so. So instead of listening to him, I was then trying to using the lengthy tube flashlight by putting many magnifying glass inside i.

Inside of the flashlight tube, I was then puts series of several convex and concave lenses. The resulted lights was becoming more brighter, and by using the cone shape, the light beam becoming more focused and can shape direct straight line beam.

Then by using several kind of plastic sheets colours, and by using different level of watts for the flashlights lights source, at one day, we are finally gets that light burnt effects that we trying to replicate from the sunlights burnt effects experiments. Yaaiiy!!

Then unintendedly, my neighbour asks to my parents whether or not they can brought me to England. At a big old dusty place there, several grown ups was smiling to me, giving me cookies, breads, chocolate, sweet fruit juices and milks. I was happy when they was demanding me to described to them to explain the light burnt experiments there.

They called it as lasers. Then when I was there, they also record the experiments I was replicated there by using camera videos and suddenly I was aired on several television show. I was even haven't reached the age of 5 at that time.

They told me that I have invent ways to create cheap laser lights. Before that, the laser systems has to use intricate process and has to use many expensive tools, expensive delicate machineries and materials, in order to create the light burnt effects.

At that occasion, other grown ups also asking me on how I can found ways to create the experiments? I was saying that any form of knowledge has to measured by; time, place, and situations.

Then the new science can also be divided into several kinds of measurements; length, dense, space, structure, forms, volume, colours, and matters.

There are also several fields of thinking that should be considered, and that was; thinking, imaginations, critical thinking, searching for reason behind everything, and rechecking everything, and must have to trying to replicate everything in order to be sure about accuracy that are resulting from the measurement.

Departed from there, they give me many gifts to bring home. They give me television, radio, and many other electronics. They also promise to always helps me with any forms of means if I needed anything to creates any inventions or creating more experiments in the future.

At that time, with my mother also and my little brother, they also place me in a kindy school called the Eaton House at London. Where we can sleep, learn, play, sings and asking many things to the teacher there, and even learn to play music using many instruments, and practicing some kind of dance there.

Motivates The Urge to Defines

When our mother asks us to help her with the dishes and learning to clean our own plates, spoons, and forks, I was also asking how to make soap? How the soap can make many bubbles? Then when we are playing with bubble soap, we found that there are many bubbles colours that we can see. That there are tiny bubbles and large bubbles.

By getting use to questioning everything, and encourage to asks more questions, the learning environment that are largely sets around us are helping us to;

- grow our own understanding towards many things,
- to gain our own ways of formulate basic logics about many things
- to have our own perspective on any comprehension,

Our environment has also encouraged us to grow various positive scientific habits;

- that it is okay to asks,
- to questions everythings,
- to debate about many things,

and many grown ups in our family are always ready to helps us to learn anything, at any time.

That's why we are then able to developed our own terms of definition of many matters that we are facing, seeing, hearing, sensing, experiencing, and then encourage to creates various solutions of anything we has questioning.

Meta Logics Arts

The whole new arts in defining logics. To differentiate between illogical ways of thinking with the prior philosophical thinking. With meta logic perspective, we are viewing logical concepts from their grounded constructs.

The terms meta derives from meta cognitive perspective that we are using to visualize helicopter views at looking through any problems that are occurring.

The terms logics are from the formulated reasons that we are using when we are creating conclusions out of comparable situations, problems, or circumstances

The terms arts means that the verbal compositions that are resulted as the conclusion of reasoning then being composed with eloquent verbal writings.

Meta Perspectives

With this language of Meta Logic Arts, we can take a whole lot of different perspectives at viewing our social environments, our psychological conditions, and being artistically independent at composing our own terminology and definitions.

What are the meanings of Meta Logic Arts as something to be looked upon when we have the choice to take our own ways of perspective taking at viewing every thing?

- Seeing the whole world through magnifier glass, and by the same time getting through all the kaleidoscope crystals colours without being interfered with the lights inclinations that been as result from the dent of lenses by which the lights particles went through.
- With this ground basic of Meta Logic, each of us has the same capacities and also the chances to direct our own comprehension of socially constructed realms at the place we are lived upon.
- Also at the same time, gaining totally comprehensible meaning of our cognitive subjective perspective at the matter we are working on, whilst at every second our mind are always directly aligning with the sensible transmits of non verbal communications that being scattered every where.

Meta Logical Reasoning

How this Meta Logic Arts as a way of Reasoning can work for you?

- Simplifying your own meaning towards your social fields and your psychological senses
- Like a child constructivist, you set your own terms on every matters
- Cognitively aware of what the entwined matters that are unaligned, that happening around
- Understanding the paradox on many realities
- Gaining the understanding that many people deterring their own principles, not even aware of their own definitions, yet defining themselves as something that are in realities very much contradictory

Beyond Contradictions

Meta Logic Arts; Viewing Our World Beyond Contradictive Realities

- Cognitively build our own determinations of what we have subjectively views,
- Setting our own solutions to any problems as the output results of having independent stances from what we are daily experienced and perceivably comprehend on different matters of life
- Structurizing our own psychological constructs to largely quantify problems on many fields of sciences,
- Thoroughly gaining the right simple definitions of problems, and
- Formulating the right equations for many matters, from physical, chemical, psychological, economy terminology problems, to social matters, after understanding the basic ground rules

Quantifying The Intangibles

When studying psychology, one thing that is set as ground rules is that we have to formulate our own behaviour constructs. Before then able to measure certain psychological aspects.

By realizing this, as college students, I was having many discussions with my best friend about how psychology should be viewed as chemical matters or physical matters. That souls also has energy that can be quantifiable. That reasons must be consist of several chemical constructs.

The habit of restructuring our own perspective, of doing constructivist dimensioning towards intangible social and psychological then has immensely helping as cognitive enabler that makes us more sensitive in viewing various psychological problems.

This critical habit of meta logic reasoning force us to learn more about many things, helping in igniting creative problem solving. The bursts of ideas then helps us to be very productive to creates various themes for creating new training products, education solution, psychological programs, even also helps me to gain confidence to write my own several books of solutions to teenage problems by deriving my own constructive of problem dimensions and solutions perspectives.

Chemistry at The Brain Region

These two assumptions about the Energy of the Soul and The Chemistry of Reasoning, was then proven to be real, relevant and reasonable.

When studying bio-psychology, we are learning on how the brain constructing reason from activating the different areas. The chemistry at the neuron levels of our brain, are studied and proven that the levels of chemistry on each brain areas are different.

The different bio-physio-chemical level in our brain are resulting to different kind of logical or illogical reasoning. There are different interactions that are largely influential in forming our behaviour, attitudes, emotions, and many kind of psychological states and mental conditions.

The interaction of brain functions are affected by these 3 (bio-physio-chemical) active states of our brain. The brain chemistry depending not only by the activated hormones and the active brain neurons that interconnecting different areas at our brain.

Other chemical substances in our brain such as what are derives from the transported cerebrospinal fluid that are delivered by the blood stream that are flowing, are also largely influencing our thinking ability and our capabilities to forms certain kind of behaviours.

The Brain Regions Functions

The roles of interactivity between biology, physical, and chemistry aspects in our brain, explain how psychiatry treatment largely plays significant role in curing and healing and helping many people with psychological illness.

This basic understanding about the bio-physio-chemical interactions in our brain also explains why alcohols, narcotics, and other chemicals drugs are dangerous to our brain functions.

When we are remembering something, the active area is at the cerebral cortex, when we are having certain kind of emotions, we are activating the areas of limbic systems.

When we are thinking through by bridging our logical reasoning and combined with artistic ways of thinking, then we are combining both of the left and right hemisphere through the corpus callosum. When we are hungry or angry, the parts of our brain that are active is at the brain stem.

When we are having destructive thoughts, negative feeling, unwell response to the situations, the active areas on our brain that are active is the amygdala. That's why certain kind of emotional breakout then are called as Amygdala Hijacks.

When we are learning something, our frontal lobe was active. Because the memories stores at the frontal lobe are being ignites by the new knowledge that we are studying.

The Manufacturer of Reasoning

When we are forming critical thinking, our brain are doing their jobs at manufacturing several products of reasoning outputs;

- At the scientific constructions of knowledge
- when are searching for new definitions, or
- creating piles of structures of theoretical reasoning,
- and when we are dividing our basic comprehension into several series of phases, or
- when trying to comprehend how the world are vertically parallels at certain aspects, and
- when we are doing definitions by viewing several compartmental of aspects or dimensions,

Whether we are producing crystallized knowledge or fluidal reasoning, when we are constructing new knowledge, defining our own premises at certain life problems, our cerebral cortex are simultaneously activating the frontal lobes and also many other parts such as the limbic systems and our bridging both of brain parts through the corpus callosum.

The other parts of our brain also has silo storage several active memory that are derives from senses. When we think, these parts of brain are also activated at the same time.

Our parietal lobes that contain memories from sound hearing. Our occipital lobes that contain memories from visual sighting. Also the hippocampus and the paracentalis regions are simultaneously interacted.