Knowledge is alive : Human Being is Knowledge Management Model

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- **The epistemology of our "Human System Biology-based Knowledge Management (HSBKM) model framework** :

From our experience in practising *Human System Biology-based Knowledge Management* (HSBKM) model framework since 2009, we feel more confident about our basic assumption on Knowledge Management (KM) and Nature which is stated as follow ...... "*WE ARE KM-REGULATED BY NATURE and BY NATURE WE ARE KM MODEL*" - **http://mobeeknowledge.ning.com/forum/topics/we-are-kmregulated-by-nature**

So far, after exploring the attributes of Knowledge from the literatures within classical mechanism aspect as well as quantum mechanism aspect, we realized that Knowledge always treated as object only, without having consciousness despite narrated in comprehensive manner. For example from *Ellie D'Hondt 1 and Prakash Panangaden : Reasoning about Quantum Knowledge - Vrije Universiteit Brussel, Belgium* among others mentioning ..... *We construct a formal framework for investigating epistemic and temporal notions in the context of distributed quantum computation. While we rely on structures developed in [1], we stress that our notion of quantum knowledge makes sense more generally in any agent based model for distributed quantum systems.....*

Considering Knowledge behaving as subject, having consciousness and "free will"as our main operational postulate in KM, it is hard in the literatures to find the relationship between Knowledge and Consciousness despite they used Psychology as well as Neuroscience as their tools. From **http://en.wikipedia.org/wiki/Quantum_mind** we noted some important theory on Consciousness from Pennrose as follow among others ...... *what Penrose developed from it is. In his first book on consciousness, The Emperor's New Mind (1989), Penrose argued that the theorem showed that the brain had the*

ability to go beyond what could be achieved by axioms or formal systems. He argued that this meant that the brain had some additional function that was not based on algorithms (a system of calculations), whereas a computer is driven solely by algorithms. Penrose asserted that the brain could perform functions that no computer could perform. He called this type of processing non-computable. Penrose went on to consider what it was in the human brain that was not driven by algorithms. Given the algorithm-based nature of most of physics, he decided that the random choice of position etc. that occurs when a quantum wave collapses into a particle was the only possibility for a non-computable process. However, Penrose admitted that the randomness of the wave function collapse, although free from algorithms, is not a basis for any useful form of human understanding.

Penrose now proposed a second form of wave function collapse that could apply where quanta did not interact with the environment, but might collapse on their own accord. He suggests that each quantum superposition has its own piece of spacetime curvature, and when these become separated by more than the Planck length of 10^{-35} metres, they become unstable and collapse. Penrose called this form of collapse objective reduction.

Penrose suggested that objective reduction represented neither randomness nor the algorithm based processing of most physics, but instead a non-computable influence embedded in the fundamental level of spacetime geometry from which mathematical understanding and, by later extension of the theory, consciousness derived.

When he wrote his first book on consciousness, The Emperor's New Mind in 1989, Penrose lacked a detailed proposal for how quantum processing could be implemented in the brain.......

In brief we developed our concept of Consciousness applied to Knowledge considering that <u>Knowledge is the output of Human Knowing tools</u> consist of three main sources. The first is Human Senses (Peripheral Nerves System incl. Autonomic Nerve System) acting as Primary Human Knowing Tools (HKT) producing <mark>Knowledge with Lower Consciousness (KLC)</mark> . The second is Human Brain (Central Nerves System) acting as Secondary Human Knowing Tools (HKT) producing <mark>Knowledge with Medium Consciousness (KMC)</mark>. The third is Human

Genomic DNA (DNA Consciousness) acting as Tertiary Human Knowing Tools (HKT) producing <mark>Knowledge with Higher Consciousness (KHC)</mark> **respectively. KLC representing** *human sense-taste-feeling-feel-flavor-sensation***. KMC representing** *human reason-mind-intellect-intelligence-way-idea* **. KMC representing** *human reason-mind-intellect-intelligence-way-idea* **(** http://bit.ly/mQjlgD **or** http://scr.bi/k82WH3 **-** "*Brief Guide to Human System Biology-based KnowledgeManagement (HSBKM) model framework*" **)**

Derived from our other postulate that DIKW (D=Data, I=Information, K=Knowledge, W=Wisdom) model is not purely a continuum at all, we developed DI – KW separated model resulting consideration that Knowledge is human knowing tools achieved as inborn as well as acquired (visit our Knowledge-Base on DI – KW Model http://delicious.com/mobeeknowledge/di-kwmodel **)**

How do we (re)define Knowledge is our main postulate, ...<mark>*Knowledge evolved as emergent property, having consciousness inside human being as Complex System, alive and behaving as subject with freewill. Contrary with Data and Information exist outside human being, non-alive and behaving as object only*</mark> *(MobeeKnowledge K-base* *http://www.delicious.com/mobeeknowledge/kmdefinition* *).*

Our (re)definition of Knowledge is somewhat different with *Wikipedia's definition* **-** http://en.wikipedia.org/wiki/Knowledge ....*Knowledge is a more or less detailed familiarity with someone or something, that can include* information, descriptions, facts, *and/or* skills *acquired through experience or* education*. It can refer to both the theoretical or practical understanding of a subject. It can be implicit (as with practical skill or expertise) or explicit (as with the theoretical understanding of a subject); and it can be more or less formal or systematic.*[1] *In* philosophy, *the study of knowledge is called* epistemology, *and the philosopher* Plato *famously defined knowledge as "*justified true belief*." There is however no single agreed upon definition of knowledge, and there are numerous theories to explain it. Knowledge acquisition involves complex* cognitive *processes: perception, learning, communication, association and reasoning; while knowledge is also said to be related to the capacity of acknowledgment in*

human beings.[2] In the field of organizational [knowledge management](#), the term is used to mean "the confident understanding of a subject with the ability to use it for a specific purpose if appropriate."

Our own version on KM definition is our other postulate, *.....Knowledge Management (KM) essentially is not management technique but behaving more as a living access mechanisms that can be used across any management tool type such as Total Quality Management, Learning Organization (Peter Senge's Fifth Discipline), Benchmarking, Process Classification Framework, Business Process Reengineering, Balanced Scorecard, Business Intelligence, Information Management including Social Media platforms etc. wherein each with their specific functions to be orchestrated under KM's consciousness. So, here we put KM in incredibly broad meaning behaving as subject with higher level than any other management tool type which is treated only as object (* http://www.scribd.com/doc/28696847/How-to-re-postulating-the-paradigm-of-Knowledge-and-Knowledge-Management **and/or** http://mobeeknowledge.ning.com/forum/topics/repostulating-the-paradigm-of **).**

We put both of our assumptions and postulates just mentioned above , into our *Human System Biology-based Knowledge Management* **(HSBKM) model framework and** *Mobee Knowledge Competency Capability Maturity* **(MKCCM) model as KM Metrics. On our HSBKM model framework, visit URL** http://bit.ly/mQjlgD **or see the Paragraph below**

- ==**Brief Guide to** *Human System Biology-based Knowledge Management* **(HSBKM) model framework *** : ==

Human Senses (Peripheral Nerves System incl. Autonomic Nerve System) as Primary Human Knowing Tools (HKT)	*Human Brain (Central Nerves System) as Secondary Human Knowing Tools (HKT)*	*Human Genomic DNA (DNA Consciousness) as Tertiary Human Knowing Tools (HKT)*
Primary HKT producing "==*Knowledge with Lower*==	*Secondary HKT producing* "*Knowledge with Medium*	*Tertiary HKT producing* "*Knowledge with Higher*

Consciousness" (KLC)	Consciousness" (KMC)	Consciousness" (KHC)
KLC representing human sense-taste-feeling-feel-flavor-sensation	KMC representing human reason-mind-intellect-intelligence-way-idea	KMC representing human reason-mind-intellect-intelligence-way-idea
Within Human System Biology-based KM (HSBKM) model framework, KLC represented by KM Tools as Techno-based boundary KM	Within HSBKM model framework KMC represented by KM Process Framework as Human Mind-based boundary KM	Within HSBKM model framework KHC represented by KM Standards Culture and Value as Human Organizational (Collective / Social) Learning-based boundary KM
Weighted Score (WS) = 1.0 as value of KM Tools representing the value of KLC	Weighted Score (WS) = 3.0 as value of KM Process Frameworks representing the value of KMC	Weighted Score (WS) = 5.0 as value of KM Standards Culture and Value representing the value of KHC
KM TOOLS component covering IT/ICT, Web 1.0 and 2.0 incl. Social Media platforms. (Referred to "Machine or Techno Learning" or to Category 7.0 (PCF – APQC**) as corporate orientation)	KM PROCESS FRAMEWORK component covering Human (Tacit) Mind incl. Web 3.0 and/or Semantic Web including Artificial Intelligence (AI) (Referred to "Individual Learning" or to Category 12.0 (PCF – APQC**) as corporate orientation)	KM STANDARDS Culture and Value component covering Codified / Explicit Knowledge, Human Social Behavior, Organizational Culture (Learning Organization). (Referred to "Organizational Learning" or to Category 1.0 – 2.0 – 3.0 – 4.0 – 5.0 – 6.0 – 8.0 – 9.0 – 10.0 – 11.0 (PCF-APQC**) as corporate orientation)
Be like to human organ system as somato (physical body structure) aspect : Documents of management (tools) type exist as Explicit Codified Knowledge, Taxonomy Metadata Management + CMS = Data/Information Management (Knowledge-base)	Be like to human brain as somato (physical body structure) aspect : Documents of Process Classification Framework (sources of Human Learning Competencies) exist as Explicit Codified Knowledge	Be like to human genomic DNA as somato (physical body structure) aspect : Documents of Enterprise DNA = Knowledge Architecture (as Content Management System / CMS & Learning Management Syste / LMS) + Taxonomy Metadata Management exist as Explicit Codified Knowledge

** Referring to PCF – APQC = Process Classification Framework – American Productivity and Quality Center as taxonomy of cross functional business process comprising 12 Categories :

1. **Develop Vision and Strategy**
2. **Develop and Manage Products and Services**
3. **Market and Sell Products and Services**
4. **Deliver Products and Services**
5. **Manage Customer Service**
6. **Develop and Manage Human Capital**
7. **Manage Information Technology**
8. **Manage Financial Resources**
9. **Acquire, Construct, and Manage Property**
10. **Manage Environmental Health and Safety (EHS)**
11. **Manage External Relationships**
12. **Manage Knowledge, Improvement, and Change**

* To get comprehended visually on Human System Biology-based Knowledge Management (HSBKM) model framework, visit the following links :
"*KM 2.0 Basic Visual Map*" **http://bit.ly/bTzgUz** - "*Our KM Model Framework*"
http://bit.ly/cSwUlx - "*Our 6 Dimensions of KM*" **http://bit.ly/cPadwJ** - "*HSBKM-based CoP model*" - **http://bit.ly/g3B4jo** and *our K-base* **http://bit.ly/cIh75U**

- **Knowledge is an important living valuable aspect and must be well managed and measured. So far, it seems no universal accepted method for assessing the Competency as well as the Capability Maturity in field of practicing Knowledge-based or Knowledge Management within corporate. Amid such condition, we have developed our Human System Biology-based-KM (HSBKM)-driven KM Metric version called "<mark>Mobee Knowledge Competency and Capability Maturity</mark>" (MKCCM™) model to complement the operational concept of HSBKM ("*INTRODUCING MOBEE KNOWLEDGE COMPETENCY AND CAPABILITY MATURITY (MKCCM™) MODEL*" - http://mobeeknowledge.ning.com/forum/topic/show?id=2090583:Topic:11355 and MobeeKnowledge K-base http://www.delicious.com/mobeeknowledge/kmmetrics+mkccm) :**

MOBEE KNOWLEDGE COMPETENCY AND CAPABILITY MATURITY MODEL (MKCCM™)

Job Desc. "Indonesia version"	Process Classification Framework (PCF) as sources of Taxonomy of Business Processes - ref. American Productivity & Quality Center (APQC)	Standard of Competency and Capability MKCCM™ derived from Human System Biology-based Knowledge Management (HSBKM©) - http://mobeeknowledge.ning.com/forum/topics/mobee-knowledge-human-system					
Tugas Jabatan	CATEGORY (code 1 decimal)	COMPETENCY (Process-based Metric)	**HUMAN SYSTEM BIOLOGY-BASED KM™** : • "CORPORATE SENSES" = Knowledge with Lower Consciousness (KLC) : as **KM TOOLS** : IT/ICT, Web 1.0 and 2.0 incl. Social Media platforms. (Referred to "*Machine or Techno Learning*" or to Category 7.0 (PCF – APQC) as corporate orientation) ~ Weighted score 1 • "CORPORATE MIND BRAIN" = Knowledge with Medium Consciousness (KMC) : as **KM PROCESS FRAMEWORK** : Human (Tacit) Mind incl. Web 3.0 and/or Semantic Web. (Referred to "*Individual Learning*" or to Category 12.0 (PCF – APQC) as corporate orientation) ~ Weighted score 3 • "CORPORATE CONSCIOUSNESS DNA" = Knowledge with Higher Consciousness (KHC) : as **KM STANDARDS (Culture and Value)** : Codified / Explicit Knowledge, Human Social Behavior, Organizational Culture (Learning Organization. (Referred to "*Organizational Learning*" or to Category 1.0 – 2.0 – 3.0 – 4.0 – 5.0 – 6.0 – 8.0 – 9.0 – 10.0 – 11.0 (PCF-APQC) as corporate orientation) ~ Weighted score 5					
Tanggung Jawab Utama	PROCESS GROUP (code 2 decimal)						
	PROCESS (code 3 decimal)						
	ACTIVITY (code 4 decimal)	CAPABILITY (Activity-based Metric)	INITIAL	AWARE	ESTABLISHED	QUANTITATIVELY MANAGED	OPTIMIZING

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    1. http://mobeeknowledge.ning.com/forum/topics/we-are-the-knowledge-hybrid - *WE ARE THE KNOWLEDGE : HYBRID DEFINITION OF KNOWLEDGE"* (October 25, 2009)

    2. http://mobeeknowledge.ning.com/forum/topics/five-basic-implications-of-new - "*FIVE BASIC IMPLICATIONS OF NEW PARADIGM OF KNOWLEDGE"* (November 19, 2009)

    3. http://mobeeknowledge.ning.com/forum/topics/knowledge-towards-2012-great - "*KNOWLEDGE TOWARDS 2012 : GREAT TURNING FROM MIND BRAIN TO CONSCIOUSNESS DNA*" (November 25, 2009)

    4. http://mobeeknowledge.ning.com/forum/topics/the-origin-of-knowledge-and-km?xg_source=activity - "*THE ORIGIN OF KNOWLEDGE AND KM : DI-KW SEPARATED ENTITIES MODEL"* (February 15, 2010)

    5. http://mobeeknowledge.ning.com/forum/topics/ten-landmarks-toward-next - "*TEN LANDMARKS TOWARD NEXT GENERATION KNOWLEDGE MANAGEMENT"* (Feb 26, 2010)

    6. http://bit.ly/eRWQD7 - "*KNOWLEDGE 'R' US"* (April 1, 2010)

    7. http://mobeeknowledge.ning.com/forum/topics/the-edge-of-scientific - "*THE EDGE OF SCIENTIFIC BOUNDARY : KNOWLEDGE MANAGEMENT DOMAIN"* (July 9, 2010) (http://bit.ly/aoFQp0 - "*KNOWLEDGE IS THE EDGE OF SCIENCE"*)

8. http://mobeeknowledge.ning.com/forum/topics/knowledge-is-neither-flow-nor - "*KNOWLEDGE IS NEITHER "FLOW" NOR "THING" BUT "CONSCIOUSNESS" : KNOWLEDGE IS EMERGENT PROPERTY OF HUMAN BEING AS COMPLEX SYSTEM*" (August 1, 2010)

9. http://mobeeknowledge.ning.com/forum/topics/we-are-kmregulated-by-nature - "*WE ARE KM-REGULATED BY NATURE vice-versa BY NATURE WE ARE KM MODEL*" (October 27, 2010)

10. http://mobeeknowledge.ning.com/forum/topics/is-knowledge-the-3rd-basic?xg_source=activity - "*IS KNOWLEDGE THE 3rd BASIC INGREDIENT OF THE UNIVERSE BESIDE MATTER AND ENERGY ? : KNOWLEDGE REPOSTULATED **" (January 5, 2011)

11. http://mobeeknowledge.ning.com/forum/topics/repostulating-knowledge-to - "*REPOSTULATING* KNOWLEDGE TO ADDRESS EVOLUTION OF SCIENCE AND TECHNOLOGY*" (January 29, 2011)

12. http://mobeeknowledge.ning.com/forum/topics/spacetime-and-knowledge-a - "*SPACE-TIME AND KNOWLEDGE : A HUMAN SYSTEM BIOLOGY-BASED KNOWLEDGE MANAGEMENT VIEW* " (February 22, 2011)

13. http://bit.ly/hJCYtI - "...*DEAR HAWKING, IT SEEMS THE NEXT CENTURY WILL BE THE CENTURY OF KNOWLEDGE*..." (April 18, 2011)

14. http://bit.ly/ipH4kd - "*MOBEEKNOWLEDGE CHRONOLOGICAL ATTEMPT TO REVISITING KNOWLEDGE AND KNOWLEDGE MANAGEMENT PHILOSOPHY* " (April 23, 2011)

15. http://bit.ly/aoFQp0 - "*KNOWLEDGE IS THE EDGE OF SCIENCE*"

16. http://mobeeknowledge.ning.com/forum/topics/the-future-of-human-nature-and?xg_source=activity - "*THE FUTURE OF HUMAN, NATURE and KNOWLEDGE*"

17. http://www.scribd.com/doc/55927116/Brief-Guide-to-Human-System-Biology-based-Knowledge-Management-HSBKM-model-framework   - "*Brief Guide to Human System Biology-based Knowledge Management (HSBKM) model framework*"

18. Some articles from *MobeeKnowledge Services* K-base related to the issue directly or indirectly as well as explicitly or implicitly among others are :
    http://www.delicious.com/mobeeknowledge/knowledge
    http://www.delicious.com/mobeeknowledge/humansystembiology
    http://www.delicious.com/mobeeknowledge/kmdefinition
    http://www.delicious.com/mobeeknowledge/consciousness
    http://www.delicious.com/mobeeknowledge/hsbkm
    http://www.delicious.com/mobeeknowledge/consciousnessdna
    http://www.delicious.com/mobeeknowledge/newparadigm
    http://www.delicious.com/mobeeknowledge/science
    http://www.delicious.com/mobeeknowledge/emergentproperty
    http://www.delicious.com/mobeeknowledge/knowledgeablescience
    http://www.delicious.com/mobeeknowledge/di-kwmodel
    http://www.delicious.com/mobeeknowledge/dikwmodel
    http://www.delicious.com/mobeeknowledge/complexsystem
    http://www.delicious.com/mobeeknowledge/knowledgeable
    http://www.delicious.com/mobeeknowledge/scientific
    http://www.delicious.com/mobeeknowledge/evidence-based
    http://www.delicious.com/mobeeknowledge/complexadaptivesystem
    http://www.delicious.com/mobeeknowledge/knowledgeflow
    http://www.delicious.com/mobeeknowledge/entropy
    http://www.delicious.com/mobeeknowledge/matter
    http://www.delicious.com/mobeeknowledge/physics
    http://www.delicious.com/mobeeknowledge/divineuniverse
    http://www.delicious.com/mobeeknowledge/inneruniverse
    http://www.delicious.com/mobeeknowledge/physicaluniverse
    http://www.delicious.com/mobeeknowledge/universe
    http://www.delicious.com/mobeeknowledge/creationist   ....etc

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