Integrated 8 Wisdom Compounds Interaction in Multitasking Healing System: Confinement Energy in 4D Frequency Interconnection

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Abstract

The total energy in multitasking healing system of herbal medicine is extremely important due to an effective recovery of treated cells or organs in human body. This short communication research reports an exact calculation of the total effective mass involve in multitasking healing system of herbal medicine based on a simple smart model from general physics implemented in organic complex compounds found normally in Maluku/Halmahera Galoba fruits (Zingiberaceae spp.) such as Amomum spp., Hornstedtia spp., Elim alliacea, Etlinger alba (Blume) A.D. Poulsen, et cetera. The invented results shows that the total mass involved in such multitasking healing system is $\sim 24.24\%$ with the total number of on-target atoms of $\sim 93$ atoms from 382 total atoms. This finding suggests that the healing time of herbal medicines with multitasking healing system shall be slower that that from FDA pharmaceutical approved products which is one target with $\sim 100\%$ healing system. The value of strong confinement energy in multitasking healing system of such 8 wisdom compounds in herbal medicine based Galoba fruits is about 4 time larger than its weak confinement energy.

Keywords: 8 wisdom compounds, Maluku Galoba fruit, multitasking healing system, 24% interactive healing.

The invented contribution: The total mass involved in multitasking healing system in herbal medicine based Galoba fruits (Zingiberaceae spp.) is $\sim 24.24\%$ with the total number of on-target atoms of $\sim 93$ atoms from 382 total atoms. While the strong confinement energy in the interactive main part was 4 time larger than its weak confinement energy.

SHORT COMMUNICATIONS

Nanoscience and nanotechnology of exotic materials with their optical properties have been a rapid increasing field of study in this 21st century [1-7]. Such incredible nanostructures have been expanded in a deep research for mobile energy storage applications [8-12]. To enhance the wisdom extracted from a pure knowledge with detail understanding in the associated particular field, a novel philosophy, local wisdom and control system as well as a breakthrough thought in science according to daily life of human being are necessary to be implemented [13-16]. For example, an ongoing medicine research with unsolved HIV-AIDS problems [17-21] had been over 3 decades search due to virus-DNA damaging for producing the new HIV-AIDS virus. Furthermore, multitasking physical system in herbal medicine [22-29] have been intensively expanding in order to open the insight for a significant understanding of multitasking healing system based on its origin in nature. In addition, herbal medicine and
traditional medicines [30-32] were interested due to their natural healing characters with a complex organic molecules interaction. Such associated observation of excellence healing system in Maluku/ Halmahera Galoba fruits [33-39] were identified via theoretical, measurement and experimental work as well as fabrication of such related herbal medicines. Furthermore, theoretical and experimental study of electronics and optical behaviors in materials are important to sustain and extract the experimental data into an accurate explanation [40-44]. Figure 0 shows a general physics of universe with the core idea of size and interactions versus energies connected to matter-antimatters process as well as the mysteries of dark matters.

This present paper emphasizes on a physics discussion of integrated 8 wisdom compounds interaction in multitasking healing system according to confinement energy in 4D frequency interconnection from organic molecules observed in Galoba fruits (Zingiberaceae spp.). The step by step explanation was extracted from the understanding of theoretical physics applied in the knowledge of herbal medicine healing system.

![Figure 0](image)

**Figure 0.** Physics of universe: size and interactions versus energies of matter-antimatters process.
Such physics knowledge and understanding is very useful in helping doctors for effective explanation in treating patients, developing researchers in expanding their advanced intuitions and experiments, as well as healing those who are in need for their health recovery without a dangerous side effect due to medicine consumptions.

Focusing on a propose model of integrated interaction among 8 wisdom compounds for multitasking healing system observed in Maluku/ Halmahera Galoba fruits calculated via confinement energy in 4D frequency interconnection, one could extract the following wave equation due to molecule integrated interactions:

Figure 1. A propose model of integrated interaction among 8 wisdom compounds for multitasking healing system observed in Maluku/ Halmahera Galoba fruits (zingiberaceae spp.) calculated via confinement energy in 4D frequency interconnection.
By using the same understanding of Fig. 1 and Eq. (1), another 3 associated differential equations can be extracted as depicted in Eq. (2), Eq. (3) and Eq. (4):

\[
\frac{d^2}{dt^2} x_2 + \left( \frac{k_2}{m_2} \right) x_2 = 0
\]

\[
0 = \left[ \frac{d^2}{dt^2} x_6 + \left( \frac{k_6}{m_6} \right) x_6 \right].
\]

\[
\frac{d^2}{dt^2} x_3 + \left( \frac{k_3}{m_3} \right) x_3 = 0
\]

\[
0 = \left[ \frac{d^2}{dt^2} x_4 + \left( \frac{k_4}{m_4} \right) x_4 \right].
\]

The parameters \(x_1, x_5, x_2, x_6, x_3, x_4, x_8\), and \(x_7\) stand for flavanone \((C_{15}H_{12}O_2)\), \(\alpha\)-humulene \((C_{15}H_{24})\), cholest-5-en-3-one \(4,4\)-dimethyl \((C_{27}H_{44}O)\), \(2,6\) diethyl pyridine \((C_9H_{13}N)\), sitosterol \((C_{29}H_{50}O)\), docosane \((C_{22}H_{46})\), \(9,17\) octadecadienal \((C_{18}H_{32}O)\) and palmitic acid \((C_{16}H_{32}O_2)\), respectively.

The solution for each differential equation from Eq. (1) to Eq. (4) as well as their vibration frequency form each molecule is obtained in the following forms, respectively:

\[
x_{1}(t) = A \cos \left( \omega_1 t + \alpha \right), \quad \omega_1 = \sqrt{\frac{k_1}{m_1}};
\]

\[
x_{5}(t) = B \cos \left( \omega_5 t + \alpha \right), \quad \omega_5 = \sqrt{\frac{k_5}{m_5}};
\]
in which \( \omega_1 = \omega_5 = \sqrt{\frac{k_1}{m_1}} = \sqrt{\frac{k_5}{m_5}} \) because of anisotropic case in organic natural product in conjunction with \( k_1 \neq k_5, \ m_1 = 224.246 \ m_u \), and \( m_5 = 204.342 \ m_u \);

\[
x_2(t) = C \cos(\omega_2 t + \beta), \quad \text{and} \quad \omega_2 = \sqrt{\frac{k_2}{m_2}}; \quad (7)
\]

\[
x_6(t) = D \cos(\omega_6 t + \beta), \quad \text{and} \quad \omega_6 = \sqrt{\frac{k_6}{m_6}}; \quad (8)
\]

where \( \omega_2 = \omega_6 = \sqrt{\frac{k_2}{m_2}} = \sqrt{\frac{k_6}{m_6}}, \ k_2 \neq k_6 \)

\( m_2 = 384.622 \ m_u \), and \( m_6 = 135.201 \ m_u \);

\[
x_3(t) = E \cos(\omega_3 t + \gamma), \quad \text{and} \quad \omega_3 = \sqrt{\frac{k_3}{m_3}}; \quad (9)
\]

\[
x_4(t) = F \cos(\omega_4 t + \gamma), \quad \text{and} \quad \omega_4 = \sqrt{\frac{k_4}{m_4}}; \quad (10)
\]

where \( \omega_3 = \omega_4 = \sqrt{\frac{k_3}{m_3}} = \sqrt{\frac{k_4}{m_4}}, \ k_3 \neq k_4 \)

\( m_3 = 414.69 \ m_u \), and \( m_4 = 310.588 \ m_u \);

\[
x_8(t) = G \cos(\omega_8 t + \delta), \quad \text{and} \quad \omega_8 = \sqrt{\frac{k_8}{m_8}}; \quad (11)
\]

\[
x_7(t) = H \cos(\omega_7 t + \delta), \quad \text{and} \quad \omega_7 = \sqrt{\frac{k_7}{m_7}}; \quad (12)
\]

where \( \omega_8 = \omega_7 = \sqrt{\frac{k_8}{m_8}} = \sqrt{\frac{k_7}{m_7}}, \ k_8 \neq k_7, \)

\( m_8 = 264.436 \ m_u \), and \( m_7 = 256.416 \ m_u \).

The value of \( m_u \) is a mass unit as large as \( 1.6606 \times 10^{-27} \) kg. In facts, the two important parameters with different molecule content in each integrated differential equations (Eq. (5)-Eq.(12)) which stand for each organic molecule movement in such integrated healing system have physical characters as \( k_1 \neq k_5 \neq k_2 \neq k_6 \neq k_3 \neq k_4 \neq k_8 \neq k_7 \)

\( m_1 \neq m_5 \neq m_2 \neq m_6 \neq m_3 \neq m_4 \neq m_8 \neq m_7 \).

On the other hand, the values of \( k \) and \( m \) are based on the exact calculation as shown in the following explanation:

\[
x_1: \text{Flavanone} (C_{15}H_{12}O_2), \quad \omega_1 = \sqrt{\frac{k_1}{m_1}}, \quad \text{where} \quad k_1 = 1.0974 \ k_5
\]

\[
x_5: \text{\( \alpha \)-Humulene} (C_{15}H_{24}), \quad \omega_5 = \sqrt{\frac{k_5}{m_5}}, \quad \text{where} \quad k_5 = 0.9112 \ k_1
\]
In order to obtain an exact solution of such complicated interaction as depicted in Eq. (1) to Eq. (12) into a simple understanding, one introduced a simple model according to the conservation law of mass in chemistry as shown in Fig. 2. Finally, a single equation of the total interaction mass among two big sides of such integrated interaction can be written as follows

$$\mu_{BA} = \frac{m_B m_A}{m_B + m_A},$$  \hspace{1cm} (13)$$

where the calculated effective mass ($\mu_{BA}$) among the interacted vibration inserted by both big interactive molecules A and B can be evaluated using Eq. (13). The main collaborative masses $m_A$ (3,1,8,2) = 1287.994 $m_u$ and $m_B$ (4,5,7,6) = 906.547 $m_u$ are the total mass of the summed compounds of cholest 5 en 3 one 4,4-dimethyl (C$_{27}$H$_{44}$O), flavanone (C$_{15}$H$_{12}$O$_2$), 9,17 octadecadienial (C$_{18}$H$_{32}$O), and $\alpha$-humulene (C$_{15}$H$_{24}$), and the summed compounds of 2,6 diethyl pyridine (C$_9$H$_{13}$N), sitosterol (C$_{29}$H$_{50}$O), palmitic acid (C$_{16}$H$_{32}$O$_2$), and docosane (C$_{22}$H$_{46}$), respectively. As a result, the effective mass of $\mu_{BA}$ due to the interactive vibrations of both big group compounds is found to be 532.0598 $m_u$. Such interesting discovery of $\mu_{BA}$ has been calculated about (532.0598/ 2194.514) x 100 \% = 24.24 \% or $\sim$93 atoms from the total 382 atoms ($\sim$4 nm) which is directly
influence and contribute in the whole interactions of healing system.

![Diagram showing calculation](image)

**Figure 2.** The solution of proposed physical model in Fig. 1.

On the other hand, the kinetic energy involved in the healing multitasking system is found to be very closed in conjunction with masses $m_B$ and $m_A$ in the following formula:

$$E_k = 0.5(m_B)(dx_B/dt)^2 + 0.5(m_A)(dx_A/dt)^2. \quad (14)$$

On the other hand, the potential energy in the healing system is mostly described as oscillator strength, $k$ with its relationship as follows:

$$E_p = 0.5(k)(x_B + x_A)^2. \quad (15)$$
Consequently, the total multitasking healing energy in the 2 interplay big groups of compounds, \( E_t = E_k + E_p \) can be written as follows:

\[
E_t = 0.5(m_B)(dx_B/dt)^2 + 0.5(m_A)(dx_A/dt)^2 + 0.5(k)(x_B + x_A)^2
\]

\[\equiv 0.5(k)(A_{BA})^2,\]  \(\text{(16)}\)

where \( A_{BA} \) is the amplitude of the total vibration in the interacted two major groups of compounds.

In addition, the total confinement energy of the above mentioned multitasking healing system in herbal medicine based \textit{Galoba} fruits can be calculated as follows:

\[
\varepsilon_{\text{confinement}} = \alpha^2 \left[ \frac{(h/2\pi)^2}{R^5(2m)} \right], \]  \(\text{(17)}\)

where \( h/2 \pi = 1.054 \times 10^{-34} \) J.s, \( m \) is the total mass of compounds, \( \alpha \) is a constant from Bessel function, and \( R \) is the radius of the total integrated compounds. Because of the total size of the whole integrated 8 wisdom compounds \( \sim 4 \) nm consisted of 382 atoms with the circular potential radius, \( R \) is \( \sim 2 \) nm. By inserting the total mass, \( m \) of 2194.514 \( m_u \) and \( R \sim 2 \) nm into Eq.(17), one obtains a weak confinement energy in the following form:

\[
\varepsilon_{\text{confinement}} = 3.81 \times 10^{-28} \text{ J} \text{ for } \alpha = 1, \]  \(\text{(18a)}\)

and

\[
\varepsilon_{\text{confinement}} = 15.24 \times 10^{-28} \text{ J} \text{ for } \alpha = 2. \]  \(\text{(18b)}\)

The strong confinement energy was formed due to the total effective mass involved in the multitasking healing system, \( \mu_{BA} = 532.0598 \) \( m_u \) as follows:

\[
\varepsilon_{\text{confinement}} = 15.70 \times 10^{-28} \text{ J} \text{ for } \alpha = 1, \]  \(\text{(19a)}\)

and

\[
\varepsilon_{\text{confinement}} = 62.82 \times 10^{-28} \text{ J} \text{ for } \alpha = 2. \]  \(\text{(19b)}\)

These values of strong confinement energy in multitasking healing system of such 8 wisdom compounds in herbal medicine based \textit{Galoba} fruits are about 4 time larger than its weak confinement energy.

As a brief concluding remark of this work, these findings suggest that the healing time of herbal medicines shall be average (normal) without side effects for human body daily activities in comparison with that from FDA pharmaceutical approved products because of its only \( \sim 24\% \) effective healing compounds insertions to the deceases target.

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**Conflict of Interest**

The solely author in this paper declare that we have no any conflicts with another scientists both financially grants and ideas.

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Assoc.Prof. H.I. Elim is an Indonesia physicist at Pattimura university, Ambon, eastern part of Indonesia. He has a lot of unconditional contributions in *Science Nature*, an inventor journal from the east since December 2018.