ECONOMICS IN UNIVERSAL COMPLIANCE

DR.IR.H.Roikhan MA.MM¹.
State Islamic University (UIN) Syarif Hidayatullah Jakarta3
Rma7114@gmail.com 0857.7114.7114

Economics theory such as Supply Demand Curve has been the theoretical basis in economics that exist today. And the integration of science has become an important knowledge to renaissance the exiting theory to be benchmarked with universal form as tree. In conventional economics theory Supply Demand Curve is the fundamental theory should fit first with the universal form on a tree. In this comparative research used equivalence approach based on universal compliance model in Islam.

The philosophy adopted in this Theory of Economic Trees are: ontology of Islam, epistemology in comprehensive, and axiology between good and bad. This study used Seven Quran approach, based on methodology of Hahslm.

In the philosophy of tree there are fruits, branches, roots, stems, and leaves with equation (T)ree = (F)ruit, (B)ranch, (Ro)ot, (S)tem, (L)eaves. If function of (T) equated with Supply Demand (C)urve based on (T) = (C), then the equation is: (E)quilibrium, (G)raph SD, (Q)uantity, (P)rice, (R)eligion = (F),(B),(Ro),(S),(L). Where functions of (F)=(E), (B)=(G), (Ro)=(Q), (S)=(P), (L)=(R).

This study gave additional graph on z axis with name R Graph or Religion Graph. This Religion Graph is the equivalence with leaves in a tree which will provide a good or bad meaning in a whole Curve SD. Additional line of R is required to be a universal compliant. Economics theory on Supply Demand Curve is in accordance with universal compliance of a tree are (E), (G), (P), (Q), (R). Based on five variables, variable of R or religion is a new variable which is compliance with the philosophy of a tree, where sub system of a tree such leaves can symbolize the value of worship.

In integration of science to comply between tree and supply demand curve required a non-linear way of thinking to get analogies in knowledge. Then, god in it is differentiation of the first integration and the meaning of worship would be the second answer in global integration for re amalgamation of conventional science with religion in search of the essence of knowledge.

Keywords: tree, leaves, religion, worship, integration, islam, economics, supply demand curve

¹ DR.IR.H.Roikhan MA.MM. Lecture: UIN JKT, UI, CCIT, IEF Trisakti, IAIN Lampung, Unisma, STIE, Usni, Moestopo Beragama, Uhamka, UIR Riau, IAIN Jambi. Experience: Dow Jones, Telerate, Bridge, Moneyline, Thomson Reuters. Research: CEED UIN, Pushangsitik UIN, PSEI UIN. DPS: Insan Amanah, LKH Kemenag RI, Head Department IAEI. Email: rma7114@gmail.com. HP: 0857.7114.7114.
I. BACKGROUND

Recent science almost reached the highest knowledge and leaving one puzzle only about the single theory, Theory Of Everything (TOE). This grand unified theory is an integration theory among four separate forces. In daily economy, there are some basic elements that will always exist in every single system and sub-systems in human live and even in economics. Scientists collaborate to combine various theories from different multi-discipline to establish the truth of a single theory such a basic formulation for all over the theory. Moreover Stephen Hawking in the Grand Design stated there must be a single theory that have been sought for 3000 years to know the grand design of the universe.

On the other hand, religion states that all knowledge comes from Allah Swt that codified in the Quran where Islam is the answer of science and universe even in economy activities. Islam rahmatan lil alamin is an integral of the embodiment of the life system in people, environment, and universe means that all life originated from the basic concepts of Islam.

Grand Unified Theory and Islam actually inherent for each other which means that science and Islam must suitable with fitrah and value of universal, so that the center point of the peak of human civilization is the Islam itself. In the present study disclosed that science begins with Islam as a system or holistic based on method compliance with universal way in public acceptance. In general there are philosophy of ontology Islam, epistemology in Kaffah, and axiology by 2 antonyms on warning and kindness, so that expressed found rise of Islam will form a concept of Kaffah which can be conducted through good and bad.

Conventional theory always refers to implementation or experiment by the inductive approach (details to general), vice versa with the universal form that is from the general concept to detail (deductive approach). Then the Integration of Science would be the bridge
for intersection between implementation pole and universality pole, so there will be a sustainable theory, logical, and suitable fitrah.

Islamic scholarship must have a fundamental thinking, as a theory to be carried in the field according to the progress of science currently. Required synchronization between theory derived from the Quran with practices that happen in the simulation and modern technology, so need the existence of the corridor from the big picture of basic Islamic science itself.

Major concepts of science religion can be defined as the integration of science or can be called Kaffah Thinking\(^2\). This new paradigm will consistently appropriate with the universal form and theory in social life. This study will prove that universal form a tree has equivalence with an economic theory such as Supply Demand Curve.

Formulation of the basic elements of Treenomics philosophy is an elaboration based on the basic elements in a typical tree. So the integration of science in economics can also be performed benchmarks from universal values such as a tree\(^3\).

II. THEORY

A. Ontology

Every complete concept must have a basic consistent premise. In general knowledge concepts are always consistent would be a shape of universal that is understood as basic values which will be possessed by another platform. Likewise with Ontology of a true universal concept comes from "The One" Allah Swt. And the

\(^2\) Kaffah Thinking is the new paradigm of thinking to fill the gap between Islamization approach and Modern Fiqh approach.

\(^3\) Tree is a particularly single system, and Islam also a system. In a system there are 5 elements. Life also has 5 elements: 1 element of time, and 4 element of space. The fundamental elements of life are road, straight, human, god, and worship. Islamic Formula is derived from the Quran, QS. A-Hijr: [15]:87, dan QS. Ali Imran [3]:19.
Creator had given the guidance that the universal form of the universe and all creation in a system can be defined as Islam. The life of the existing system in human beings, environment, and universe are originated from the Islamic concept. In other words, the initial concept was the creation of Islam. In other words, the very beginning of initial concept for the creation is Islam.

In the ontology of all creation or mahluq/creatures or universe is a system and the basic system was named Islam. On the basis of this system (Islam) then the existing sub-systems in this universe would be consistent with this basic system (Islam), throughout the system elements has been created by god and not human beings or other creatures/mahluq.

One of the many results in the creation of this universe is a tree. The tree is a unified whole of Allah’s creation that becomes part of the living creature among plants, animals, and humans. Then the tree can be regarded such a universal modeling to represent any universal form that exists in the universe.

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4 The system is part of the real world that consists of various elements on a place and time constraints. Components and processes interact designed based on the concept developed in accordance with the desired goal. Khalid Saeed, Development Planning And Policy Design: A System Dynamics Approach (Cambridge: Avebury, 1994), h. 24.

5 The word Islam has a root word of 3 letters: the letter ‘s’ or sin, the letter ‘l’ or lam, and the letter ‘m’ or mim. There is a verse that supports the ontological meaning of Islam is the QS. Ali Imran [3]: إنَّ الْحَيَاةَ الدَّنْبَرَ ُعَمَّ عَلَّمَ اللَّهُ الْأَكْبَرَٰ ۚ إِنَّ الْحَيَاةَ الدَّنْبَرَ ُعَمَّ عَلَّمَ اللَّهُ الْأَكْبَرَٰ. Indeed system by Allah is Islam.
B. Epistemology

Islam is defined as a system holistic, comprehensive, and wholeness. Then Islam and wholeness can be expressed in the epistemology for development concept of tree called Kaffah.6

The appearance of overall tree can be examined in epistemology because there was a perception that the basic concept of life is Islam and the worldview pattern of Islam is system pattern. Comprehensive means all parts without exception to be part of a system. By this wholeness major concepts then every single part of the tree must be mapped into a boundary of the tree without exception.

C. Axiology

Preceded from ontologies such Islam for life reason include economy indeed, then epistemology is Kaffah as a system in tree, and also simple axiology to define a tree in conjunction between two antonyms like vertical and horizontal.7

Tree as an Islamic system, with wholeness by integral parts, will have a subsystem vertical growth to top and to below, and also horizontal growth to fatten itself.

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6 Development of epistemology in Kaffah Islamic Economics, brings new terminology, become a Sinlammim Kaffah approach. This is consistent with the contents of the Quran that read 'silmi kaffah, with the explanation that the word 'silmi' is a derivation of the letter sin lam mim.

7 These two phrases are analogous as different things the word refer to a word of the joy and warning in al-Quran. QS. Saba' [34] paragraph 28, which states two things: the "bearer of good news and as a warner."
III. ANALYSIS

The approach taken in accordance with the philosophy in this study is the system thinking\textsuperscript{8}, correspond with the primacy of the parts that are more dominant. With the hierarchy among parts then it will have a higher parts than the others, or there are the same lower between part with another part, although actually parts have priorities among sub system but it will be a union network. So that one part with the other parts can be exchanged between parts, because they have been in the same strata. This method is becoming a way as one of the solutions to penetrate the development of concepts in order to solve the fundamental problems. It is felt the necessity of a better method to be a balance in addressing the limitations of the methodology in proving from theory shape to economic method\textsuperscript{9}.

It is also in line with the development of science last reviewed which states that the perceived need to seeks the middle path from the stagnant problems in economic theory by insert to spiritual matters. More and more human beings increasingly desire better knowledge construction, sharper, and able to answer all aspects.

Diagram System Thinking

![Diagram System Thinking](image)

Proceed, 2014

\textsuperscript{8} The word "Think System" or "Kaffah Thinking" is a translation of the theory of "Seven Quran" that is predominantly based on the QS. Al-Hijr [15]: 87 integral to the QS. Ali Imran [3]: 19.

\textsuperscript{9} In this study, methodology of sinlammim.
This approach of system thinking\textsuperscript{10}, can be expanded in life such as analogue comparative between universal form as tree with economic theory as supply demand curve. This concept has several major elements, the first element is the God, then the second element is universe, and the third as a feedback element is worship. As a universal form, the tree must have a main component. In general, the tree consists of five main parts namely:

1) Fruit
2) Branch
3) Root
4) Stem
5) Leaves

Those parts are sub-system of the entire tree. Then each sub-system will have sub-sub-systems in detail. Among five sections above, there is one part that is unique and not the similar, but it remains a unified whole, it’s fruit. In the systems thinking approach there is one variable like an error or such a deviation that are separated from other variables, but in the same system with the main variables\textsuperscript{11}. Likewise also the

\textsuperscript{10} Systems thinking approach or kaffah thinking as "Seven Quran", in Sinlammim method, based on the formula Hahslm.

\textsuperscript{11} Corresponding with the rules of Arabic language, the word Islam is derived from the basic 3 consonants: sin lam mim. (سليم).

Function 1

Guidance (Huda). Ha = Alif ha (Sin, Lam, Mim)
Where, Ha=H, Alif=A, ha=h, Sin=S, Lam=L, Mim=M.

Formula:
H = A h (S,L,M) ……………………………………………………………… (1)
The first function in the above equation can be written also in Latin or in Greek Alphabet.

Fungsi 2

H = A h (S,L,M)
H = A \eta (\Sigma,\lambda,M)
H = \alpha \eta (\Sigma,\lambda,\mu) ……………………………………………………………… (2)
Eta = Alpha eta (Sigma, Lambda, Mu)

Dimana, H=Eta, \alpha =Alpha, \eta=eta, \Sigma=Sigma, \lambda=Lambda, \mu=Mu.

Hahslm formula refers to QS. Al-Hijr [15]: 87 that states there is a special variable '7 are repeated' but remains in a unified with the other variables in this case is 'Quran the noble\textsuperscript{33}333'.

fruit, this element becomes a special part compared with other elements such as branches, roots, stems, and leaves.

Meanwhile, compare with tree is supply demand curve abbreviated SD Curve that becomes obligatory for the theory of conventional economics in worldwide. In the SD curve has a major part to be known as the graph are: 1). Equilibrium, 2). SD Graph, 3). Quantity Line, 4). Price Line.

These elements have represented conventional economics so far, which is focused on the implementation and practicality. So that could be a system on the SD curve has difference with the universal form such as a tree.

1) Fruit vs Equilibrium

The first comparison is between the trees and SD curve that is the fruit and equilibrium point.

i) The meaning of the fruit is the part that appear from the balance among branches, roots, stems, and leaves, as well as the repeated occurrence.

ii) The meaning equilibrium point is an element that appears on the level of price and quantity of item where the supply demand is equipped, as well as its appearance will change or repeated at one point or another point.

iii) The meaning of both elements fruit and equilibrium for comparison are the most important part that always comes up over and over again, even its appearance whenever possible to improved and enhanced continuously.

2) Branch vs SD Graph
Similarities between the trees in this case branches and the SD curve in this case SD line are equally formed like a twisted path, forced out of its natural proper shape, not straight, but having cross section according with the direction of change from the existing balance.

3) Root vs Quantity

In general distinction, between the root and the quantity (in this case the horizontal axis line) has almost the same meaning that symbolizes something which are numerous or polynomial, so that these two elements deserve to be equated the same variable.

4) Stem vs Price

Economics simplifies almost all economy activities in one element that is the price, even the price level (money) has become Lord in conventional science, that everything in this world surely be assessed by the price or money. For the high and low price / money it is able to reflect the level of quality of the goods in certain amount. The level of an economy activities can be represented by the high
and low price / money (Price). Then the close equivalence from price is the stem of tree where the level of the stem can show the high and low size of a tree.

5) Leaves vs Unavailable

In the process of growth of a tree it begins foraging by the roots, then streamed by the stem to the leaves, and the leaves along with sunlight transform into energy for the whole tree. Good and bad tree depends on the energy transmitted from the leaves, So that leaves as an indication that the tree is in trend good condition or in bad trend.

Economics distinction from post-industrial revolution that is always indifferent to the presence of negation probability for every economy activity. As these era famous with concept of linearity even adopted by contemporary economists until now.

<table>
<thead>
<tr>
<th>No</th>
<th>Tree</th>
<th>SD Curve</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fruit</td>
<td>Equilibrium</td>
</tr>
<tr>
<td>2</td>
<td>Branch</td>
<td>SD Line</td>
</tr>
<tr>
<td>3</td>
<td>Root</td>
<td>Quantity</td>
</tr>
<tr>
<td>4</td>
<td>Stem</td>
<td>Price</td>
</tr>
<tr>
<td>5</td>
<td>Leaves</td>
<td>unavailable</td>
</tr>
</tbody>
</table>

In the table above shows that each part of the tree have each opponent with the elements of the SD curve, except the last part.

1) Fruit becomes a variable that is analogous to the Equilibrium Point

2) Branch also be a variable that is analogous to the SD line

3) Root also have a analogue variable with Quantity
4) Stem also be a analogue variable with Price

5) The leaves did not have a variable that is analogous to one of the primary SD curve.

This research provides additional SD curve, similar to the line axis but in different quadrant. Q (Quantity) is on the horizontal x axis, P (Price) is in the vertical y axis, while the additional axis will be on the diagonal z axis (horizontal front and back). For the new line was named R Line or Religion Line. Religion Line is an equivalent with leaves in a tree which will provide bad and good meaning of SD curve.

From the above diagram has been result there is an extra line that emerges the new line R (religion) as an universal compliance.

Equation:

\[ T = K \] ................................................................................................................................. (1)

\[ T = F, \ B, \ Ro, S, \ L \]

\[ K = E, \ G, \ Q, \ P, \ R \]

\[ F, \ B, \ Ro, S, \ L = E, \ G, \ Q, \ P, \ R \] ................................................................................................. (2)

Where, \( F = E, \ B = G, \ Ro = Q, \ S = P, \ L = R \)

And, \( T = \text{Tree}, \ F = \text{Fruit}, \ B = \text{Branch}, \ Ro = \text{Root}, \ S = \text{Stem}, \ L = \text{Leaves} \)
And, K=SD Curve, E=Equilibrium, G=SD Line, P=Price Line, Q=Quantity Line, R=Religion Line

Equations in Tree Economic Theory with universal compliance on the function of Tree (Po) and function of SD curve (K) then each of these systems has a sub-system consists of fruit (F), Branch (B), Roots (R), Stem (S), Leaves (L) as a general form, then have a point of comparison, those are Equilibrium (E), SD Line (G), Price Line (P), Quantity Line (Q), and Religion Line (R).

III. CLOSING

1. Conclusion

Every single human creation definitely is not perfect, so it requires continuous improvement based on system thinking approach. This approach is needed to improve the significance of imprecision the existing theories by valid thinking that is Islam. Comparison between the SD curves and tree is a way of evidence compatibility between the universal form to the existing economic theory. This general measurement can be conducted by declaring that the tree is in compliance with the norm of universal rules (Universal compliance) the ultimate reason it is a direct result from Allah's creation.

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12 The results of the study with the Islamic formula as a guide in Treenomics (Economics based on Tree) produces the equation: \( H = \alpha \eta(\Sigma, \lambda, \mu) = \text{Ah} \) (S, L, M), which is the second pairing function 'Islamic and conventional' or 'religion and knowledge'. In these formula function seen each variable will have a twin this new modeling is a tabulation to clarify the question of whether Islam can bridge the science and religion. So the purpose of this study is to provide a theoretical basis in the form of functions that can be used as a central point for the complexity of current knowledge, with reference to scripture as well as universal value given by Allah Swt.
In this study, SD curve has ignored non-linear factors that were characteristic of the conventional postulate that knowledge had been separated from the religion, so that need the addition of Religion lines to redraw an elementary curve that was able to provide a guidance whether these SD curve is good or bad.

With this 5th element the entire SD curve was completed as a new entity of economics theory that have in common with the universal values on the tree: the equilibrium point, the SD line, and the PQR line.

2. Recommendation

The differentiation between conventional science and religion is the worship that is a major factor vacated by the intellectuals of post-Galileo, so that the focuses on the weak points of conventional science can more easily by quest in the the equivalence value of worship.

Required integration of knowledge in various aspects of science to enhance between science and religion so in the future there is no longer dichotomy between science and religion. Expectation of this kaffah thinking in integration that human civilization can life together with symbiosis mutualism along its function and existence by leave the false knowledge and get the minimum impact from the inequality of general life because of seperation between conventional and religion.
REFERENCES


CURRICULUM VITAE

PERSONAL PARTICULARS

Full Name : DR. IR. H. Roikhan MA, MM. <rma7114@gmail.com>
Date of Birth : Solo, 25 June 1970
Postal Address : Jl. Bendi Besar B1/19B, Tanah Kusir
Jakarta Selatan 12240, Indonesia
+6221-7290576, +62857-7114-7114

EDUCATIONS

Elementary (1977-1989)
1977-1983 Elementary School Morning, SD Negeri 01 Kebayoran Baru, Jakarta.
1977-1983 Elementary School Afternoon, Madrasah Ibtidaiyah Simprug, Jakarta
1986-1989 Senior High School, SMA Negeri 70 Bulungan, Jakarta


EXPERIENCES

2007-Now State Islamic University (UIN) Syarif Hidayatullah Jakarta
2008-Now Center Information Development Studies (CIDES) Jakarta
2008-Now Economics University (STIE) Ahmad Dahlan, Jakarta
2008-Now State Islamic Religion Institute (IAIN) Raden Intan Lampung
2008-Now Department Of Religious Affair (Depag) Republik Indonesia
2009-Now Islamic Finance Institution (KJKS) Insan Amanah, Jakarta
2009-Now CCIT University Indonesia, Jakarta
2010-Now Islamic Economics Finance, University Of Trisakti Jakarta
2010-Now MM USNI, Jakarta
2011-Now Faculty Of Islamic Religion, University Prof Dr Hamka, Jakarta
2012-Now Unisma 45, Bekasi Unisma 45, Bekasi

ORGANIZATION
P3EI, UIN Jakarta
Pusbangsitek, UIN Jakarta
CEED, UIN Jakarta
Head Investment Capital Market Department, IAEI Jakarta

PUBLICATIONS BOOKS

JOURNAL