

## Chapter V

### Closing

#### A. Conclusion

Based on explanation deed, the researcher experiences much explanation and interpretation from Thanthâwi Jauhari and scientist. And finally researcher concludes;

1. Tele - Transference comes from word Tele mean “distance” and Transference mean “move”. This theory discusses the way of transferring something to somewhere. The distance would be covered in range, to be short, and more efficiency. Moreover, people will be very helpful. Sciences now governs the world has revolutionized everything and worked wonders. It has carried sound waves for thousands of miles and even round the globe in less than twinkling. The science result that round the globe in less than twinkling are the light theory, wave theory and the electromagnetic wave theory. Those theories have helped people carrying the world through television, radio, telephone, internet, satellite, Tele-conference and another.

The Tele - Transference theory built from quantum physics theory. It is study about matter and radiation at atomic level. Today phenomena are about particle and wave debate. Particle was in some place at some time. Wave, for example sound wave, it spread around space. At atomic level, this difference is not valid. Electron known as particle could be like wave. As well as light known as wave, its half act just could be explained when it became particle, well known as photon. This wave-particle characteristic or researcher say “duality” only could be explained through quantum physics.

Begin with Max Planck constant theory where he divided light become to be small particle named quanta<sup>1</sup>. Then he determined unit energy on

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<sup>1</sup> Alan Isaac BSc, PhD. DIC, *Kamus Lengkap Fisika*, Jakarta: Erlangga, 1994, page. 354.

symbol  $E$ , to each quantum which is related to its frequency,  $f$ . the pattern is  $E = hf$  where  $h$  is new mathematic constant in nature. Max Planck theory explained that all things energy in the world distributed on each atom. And every atom could radiate electromagnetic radiation in quanta shape<sup>2</sup>.

Max Planck theory disturbs Einstein. Then, he tried to pick Planck theory and applied it on his that light was spread as small particle. This is the basic theory of photoelectric effect, where electricity poured on electric combination when radiate light on metal plate and metal electron on it going to move and became electricity. This particle named as photon, then<sup>3</sup>. The photon explained Einstein relativity theory<sup>4</sup>.

Before light theory was discovered by Einstein, scientist only knew that light is kind of wave. But, after Einstein, it is also mentioned as particle. In the beginning of 1920, France scientist, Louis de Broglie appeared with his theory of electron which is considered as particle also could be wave and particle. Mean, he said that all things considered as both wave and particle, even human and vas, although both wave characteristic is not visible because both had heavy mass<sup>5</sup>.

The collaboration of those theories De Broglie with his electron theory, Einstein photon, Planck constant created Quantum, it is universal. This explained that on quantum reality wave and particle both were related and same<sup>6</sup>.

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<sup>2</sup> John Gribbin *Fisika Kuantum-panduan bagi pemula ke dunia subatomic*, Jakarta: Penerbit Erlangga, 2002, page. 15-16.

<sup>3</sup> *Ibid*, John Gribbin, page. 16-17.

<sup>4</sup> Wisnu Arya Wardana, *Melacak Teori Einstein dalam al-Qur'an*, Yogyakarta: Pusataka Pelajar, 2006, page. 120.

<sup>5</sup> *Op. cit*, John Gribbin, page. 26.

<sup>6</sup> *Ibid*, John Gribbin, page. 26.

2. Al-Qur'an descended to all human kind is real (*haq*), as mentioned QS. Al-Faathir; 31.

وَالَّذِي أَوْحَيْنَا إِلَيْكَ مِنَ الْكِتَابِ هُوَ الْحَقُّ مُصَدِّقًا لِمَا بَيْنَ يَدَيْهِ إِنَّ اللَّهَ بِعِبَادِهِ لَخَبِيرٌ بَصِيرٌ

(٣١)

“That which we have revealed to Thee of the Book is the Truth,- confirming what was (revealed) before it: for Allah is assuredly- with respect to His servants - well acquainted and fully Observant. 31”

Human is Allah khalifah, his duty is saving and exploring world, as mentioned QS. Al-Baqarah; 30.

وَإِذْ قَالَ رَبُّكَ لِلْمَلَائِكَةِ إِنِّي جَاعِلٌ فِي الْأَرْضِ خَلِيفَةً قَالُوا أَتَجْعَلُ فِيهَا مَنْ يُفْسِدُ فِيهَا

وَيَسْفِكُ الدِّمَاءَ وَنَحْنُ نُسَبِّحُ بِحَمْدِكَ وَنُقَدِّسُ لَكَ قَالَ إِنِّي أَعْلَمُ مَا لَا تَعْلَمُونَ (٣٠)

“Behold, Thy Lord said to the angels: "I will create a vicegerent on earth." They said: "Wilt Thou place therein one who will make mischief therein and shed blood?- whilst we do celebrate Thy praises and glorify Thy holy (name)?" He said: "I know what ye know not. 30”

Science also *haq*, it produced from all experiment and test. Its validity is scientific. And the result could be seen and tasted. Even science always growth and changed but present result convinced as scientific truth. And it was *haq*, because could be used as the comparison to al-Qur'an interpretation<sup>7</sup>.

All observation and experiments is ordered by Allah, including ratio and analysis of science result. Science tended empiric or experimental. Searching and analyzing Tele - Transference verses while comparing with today science is not easy. All exploration and experiments results did not get only sit and appeared knowledge. No body will reject that al-Qur'an did not talk about human relation with Allah, it also their relation among other even universe<sup>8</sup>.

Allah revealed al-Qur'an as the source of law and guidance comprehensive and practice system for life. Al-Qur'an explained all

<sup>7</sup> Dr. H. M. Ali Husein in his book, *Gizi dalam al-Qur'an*, page. 8-9.

<sup>8</sup> Prof. Achmad Baiquni MSc., PhD., *Al-Qur'an Ilmu Pengetahuan dan Teknologi*, Yogyakarta: PT. Dana Bhakti Wakaf, 1994, page. 73.

essentials thing for people. The question will be, did al-Qur'an covered Tele - Transference? The answer is yes. Al-Qur'an explained Tele - Transference technology indeed. Ahmad M. Sulaman through his book<sup>9</sup> *The Scientific Trends in the Quran* said that Tele - Transference theory and technology. It was mentioned in tree incident in al-Qur'an. *First*, it is Solomon miracle in moving Queen Saba' throne QS. Anaml: 39-40. *Second*, Jesus ascension to the sky QS. An-Nisa': 157-158 and QS. Ali Imran: 55. *Third*, Muhammad PBUH Isra' and Mi'raj, QS. Al-Isra': 1.

Most interpreters did not realize scientific verses (*ayat kauniyah*) and they interpreted it as flow. But, scientific interpreter (*mufassir ilmi*) who concerned to science used it as an approach in interpreting al-Qur'an. Thanthâwi Jauhari is scientific interpreters (*mufassir ilmi*). He wrote *Al-Jawâhir fî Tafsir al-Qur'an al-Karîm* and interpreted scientific verses (*ayat kauniyah*) clearly including Tele – Transference verses above. He explained it by *ruh*, the immaterial thing. This immaterial thing handled all. Even, it could not be tested or researched. But, he said that *ruh* is cell and cell is *ruh*. In the light of science cell could be tested and work wondered in handling all. Cell becomes the basic of quantum theory which built all today technologies.

Those all explanation physically did contrary with science today result, because Thanthâwi Jauhari prefer to chose Alan Kardek a philosopher who explained *ruh* handled all Tele - Transference taken from book *al-Wasathâ`* rather than Einstein who patterned Quantum and Relativity theory and life along with him. Even some aspect had relation but it could not be same, because their major is different. *Ruh* could not be tested and examined where science needed prove. But, *ruh* still could be used as theory.

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<sup>9</sup> Ahmad M. Sulaman *The Scientific Trends in the Quran*, London: AKM Associates (UK) ltd, 1985, page. 88.

The real shape of *ruh* is cell<sup>10</sup>. It has electricity system<sup>11</sup> as motor. Firstly *ruh* activated in human body where there are many cells indeed. All cells are related each other and the cells helped each other<sup>12</sup> which are weak. This synthesis also produced electromagnetic cell<sup>13</sup>. The result is al-Qur'an produced *ruh* and science produced Quantum. Both had their own characteristic and method. *ruh* used cell and all paths, *ruh* as cell could be used as basic theory, where Quantum used combination of light and wave in duality. Light and wave is matters which are consists some cells. Light cell is photon while wave (especially electromagnetic wave) cell is electrons and protons. Both used revolutionized everything and trustworthy worked wonder. Weather *ruh* could not be examined and broke world law, it still could be trusted. This matter is way to increase Moslem faith and believe to Allah as the best creator of whole universe and al-Qur'an author After reading, searching and also comparing a lot and as mentioned in point two above, researchers concluded that Thanthâwi Jauhari interpretation is close to the current development of science.

## B. Suggestions

- a. Al-Qur'an and science are *Haq* as mentioned QS. Al-Faathir; 31.

وَالَّذِي أَوْحَيْنَا إِلَيْكَ مِنَ الْكِتَابِ هُوَ الْحَقُّ مُصَدِّقًا لِمَا بَيْنَ يَدَيْهِ إِنَّ اللَّهَ بِعِبَادِهِ لَخَبِيرٌ بَصِيرٌ

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<sup>10</sup> *Op. cit.*, vol. 13, page. 216.

<sup>11</sup> *Ibid.*, vol. 13, page. 217.

<sup>12</sup> *Ibid.*, vol. 13, page. 217.

<sup>13</sup> *Ibid.*, vol. 1, page. 114.

truth. And it was *haq*, because could be used as the comparison to al-Qur'an interpretation<sup>14</sup>.

- b. Forget all debatable of scientific interpretation prohibition. Because it is clearly, there are 750 verses which talked about *kauniyah* (science).
- c. Reading Thanthawi Jauhari interpretation will help students or another researcher who concerned on scientific interpretation, because he wrote and explained more than another interpreter.
- d. Kauniyah verse interpretation will help increase Moslem faith. Allah created everything no useless.
- e. Do not forced scientific interpretation to al-Qur'an. Al-Qur'an is *Haq* and could not be blamed. When researcher got lack it means that human limit. And al-Qur'an truth is unlimited.

### C. Closing

Last but not least, researcher hopes that the spreading and exploring of scientific interpretation (tafsir ilmy) will be more active, because the life of technology is increase. Moslem could not close their eyes. Moslem has been in war, war with stupidity.

All prove and evidence showed and asserted Allah power in arranging and controlling the world. Allah did it in twinkling QS. Al-Qamar: 50.

وَمَا أَمْرُنَا إِلَّا وَاحِدَةٌ كَلَمْحٍ بِالْبَصَرِ (٥٠)

“And Our command is but a single (Act),- like the twinkling of an eye. 50”

Finally, researcher and all human should not stop the exploration of the world. There are many verses, nature sign waiting to be explored. And it will increase faith to Allah.

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<sup>14</sup> *Op. cit*, Dr. H. M. Ali Husein, page. 8-9.

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