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Dharma Indonesia I.

INTRODUCTION Since a few years ago till today, the phenomena of appearance of orbs crowded discussions in various publications and electronic media. These phenomena have come to light due to the development of science and technology, especially the technology of digital photography. Nowadays, there are very powerful cameras capable of capturing orbs, a collection of very fine particles, in the form of light resembling the round shape of Moon, Mars, Venus, and other planets; and capturing the orbs was not possible in the past.

An orb comes with a variety of colors, sometime in light, sometime in darkness. The number of orbs that appear is unpredictable and uncountable. In short, the appearance of orbs is considered weird and unique; hence it becomes the subject of discussion to many people. There is no agreement or similar views on the phenomenon of the emergence of orbs. Scientists say that orbs are collection of moist dusts that are highlighted by the light of cameras. This view is true, because, physically orb is a collection of glowing dust.

On the other hand, the spiritualists and the paranormals call orbs are spirits (gods, ghosts, etc.). On the internet, there are so many pros and cons about the phenomenon of orbs in many websites; this article does not intend to focus on the pros and cons about the orbs, but this article focuses on the efforts to explain the nature of orbs in the perspectives of the Hindu Cosmology, Hindu pantheism and cosmic consciousness. II. **DISCUSSION 2.1** Various Opinions about the Orbs On some websites we can find many descriptions of orbs. One of them is <http://asalasah.blogspot.in/2012/03/orbs-dan-makhluk-halus-di-sekitar-kita.html> . This website explains that the orb is a phenomenon of the emergence of a white circle on a photo frame in the figure indicated the presence of beings from another world. The dots on the photo frame sometimes numerous and leave a trail.

In digital photography **INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 59** technology especially in the ultra-compact camera, this phenomenon is referred to as orbs-backscatter. Furthermore, it is stated that orbs-backscatter usually occurs because of the lens construction and the built-in flash which is adjacent to the multi-compact camera that shrink illumination angle to the lens and automatically increases the lighting reflection on the particles that are barely visible to the naked eyes in front of the lens. Therefore, orbs-backscatter may be produced from particles of dusts, powder and liquid particles that fall as rain patten.

Sometimes we think that orbs appear probably due to dirty camera lens so as to produce the effect of a white ball, called orb. Some internet sources explain that orb is a popular name to refer to the sphere shaped anomalies that appear on photographs; in Spanish the orbs are called canoplas. In camera and video, orbs appear as balls, gems or spheres of light with an image size as a golf ball till to size of basketball. Orbs are believed to be some spirits or ghosts by paranormal or supernatural human beings, having ability to see the orbs.

Some people are able to see orbs with naked eyes; it can be done because of some special talent or through exercise. Cameras with high resolution (at least with 1.3 Mega Pixel) can capture pictures of the orbs. Some internet sources also states that it is easy to capture the picture of orbs going into the house which is considers by society as ghost place, then by using digital camera photographing anything we can find orbs in all directions. We can also take pictures of people alleged to have possessed by Jin or other forces. Usually, whenever we take pictures with a digital camera, orbs always appear around these places and people.

Orbs can be refracted like a cloud or collection of smoke, called ectoplasm. Ectoplasm is alleged as the transformation of the second ghost after orbs. There are different explanations regarding orbs as published in newspapers and magazines and electronic media. Some claim that the appearance of orbs happens because the photographer might have forgot to clean the lens; but many photographers claim that they always keep their camera-lens clean. Again, some photographers claim that they got the image of orbs, a white circular supernatural figure (Ghostly phenomena), after enlarging some pictures. That's why the unseen world became very popular for many people to carry out a series of studies.

There is a tool called EVP (Electronic Voice Phenomenon) that can be used to communicate with the supernatural. EVP Digital technology is typically used in certain locations like abandoned houses, common graves, etc. Again, a research states that at the places of positive INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 60 energy (such as places of worship: mosques, temples, churches, Synagogues etc.) the orbs appear. Even in those places, orbs can be photographed with the usual pocket camera (1.3 Mega Pixel) without using digital cameras having high-resolution.

The cameras having resolution greater than 7 Mega Pixel can take photographs of orbs more perfectly. Other Internet source, namely <http://www.amazon.com/The-Ghost-Meter-EMF-Sensor/dp/B000ZH7G1E> explains that today there is a tool that can detect the presence of ghosts; the tool is called The Ghost Meter EMF Sensor. The

manufacturer states that in this era of advanced technology anyone can detect the presence of ghosts or other spirits.

The manufacturer outlines that: The Ghost Meter has been calibrated to ignore the extremely subtle EMF emissions surrounding the human body, yet is still sensitive enough to detect the small, distinct, erratic EMF energy fluctuations frequently found at reputed haunted locations. The Ghost Meter provides three corroborating indicators of EMF emission strength. A needle based display, LED lights, and an adjustable audio signal. The response time of this meter is excellent, easily outperforming more expensive EMF meters. It can also be operated in silent mode so it doesn't interfere with EVP (Electronic Voice Phenomenon) recordings or distract other investigators during an investigation.

Compare the value this meter offers compared to other brands. There is no other offer that comes close to providing these levels of features and performance for the price. You've seen television ghost hunters use similar detectors. Now you can get your own and start investigating the unknown. Furthermore, the product description of EMF explains: Aside from a camera, the most basic tool for a ghost hunter is the EMF meter. When ghostly activity takes place, electromagnetic anomalies often occur in the environment. This meter can allow you to detect these disturbances.

Find hot spots in homes! In cemeteries! In buildings! We guarantee that an evening visit to a cemetery with the meter is an experience that will thrill you! Go in a small group and you will have a lot of fun and some! Conduct paranormal surveys (comes with instructions). You may charge for those services or do them for pleasure! Though we use language that is fun and casual, The Ghost Meter is an accurate instrument devoted to high quality paranormal activity. Each one is individually calibrated.

Even though you may experience nothing via your physical senses, if you take a photo when the Ghost Meter indicates a strange fluctuation, you can sometimes capture a picture of a ghost! The CellSensor Ghost Meter measures paranormal cell activity. It is wonderful for several reasons: It's lightweight and compact. It has a needle readout and an adjustable audio tone, allowing you to use it in the dark or without looking at it. Also a light so you can monitor from far away! At a haunted location, strong, erratic, fluctuating readings are commonly found. It seems these energy fields have a connection to the presence of ghosts.

When, you find a strange, inconsistent reading, that's a great time to make a photo of

the area. The developed print may show an apparition. This is the official meter of many Ghost Clubs! Runs on a single 9V battery (not included). Dave Juliano, <http://theshadowlands.net/ghost/orbs.htm>, describes: What are these balls of transparent light we find in photos taken in allegedly haunted places? I won't tell you I know the answer to this question. No one has the true answer to this question yet, but that's part of the job of researchers and investigator. One of the leading theories concerning what orbs are and the one that I lean towards the most is that they are not the spirit at all.

The orb is the energy being transferred from a source (i.e. power lines, heat energy, batteries, people, etc.) to the spirit so they can manifest. This may not even be a conscious thing the spirit is doing; just a natural way they get their energy. This would explain why the orbs are round balls. According to the laws of Physics energy being transferring like that would assume is natural shape of a sphere. This theory can also be tied into the EMF (electromagnetic field) readings we get during spirit activity.

always approach things with a bit of skepticism, so when I saw all these websites start showing off these photos as ghosts, I was just as weary as most of you. I just had to try it for myself. I took a 35mm camera that I had used regularly for 6 years in all types of lighting and weather and had never gotten an orb or other unexplainable photo before and went out with a few seasoned field investigators on a cemetery investigation. One of the investigators was psychic and she pointed out a few areas we should take photos, so I did.

I also INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 62 had ghost footsteps walk up behind me twice and I turned around quickly and took photos of the empty air. When I got my photos developed, I had these orbs and fog in those photos that I was told to take, as well as the footstep ones. All my other photos were normal. Coincidence? Since we do not know what orbs truly are, just that they seem to be found mainly in areas where there is ghost activity; I will tell you what they are not.

On a normal investigation there are about 10 people using 10 different cameras, 35mm and digital, and many speeds and brands of film. They all get their film developed at separate places. Let's say only half of these investigators get some orb photos. Are these water spots or dirt on the lens? That would mean that 5 people all had similar dirt on their lens and all 5 did not clean their lens either. Are these orbs film processing errors? Well the 35mm cameras all had their film developed in different locations and used different film so that is very unlikely. The digital cameras can't have film- processing errors.

I am aware that some people feel that the orbs on a digital camera are an error in the digital processing of the image. When that error does occur in digital photos, the objects tend to be square in nature, not round and they cannot be semi-transparent, the pixel behind would have to be corrupted also. I will not even address the precipitation theory; no legitimate researcher takes photos in any form of precipitation.

What about dust and dirt being stirred up? Can that be the cause of the orbs? If that were the case, I would think that there would not be normal photos in a sequence of photos from the same camera and location. All of the shots in a sequence should have the dust or dirt in it. We find that most orb photos do not appear in consecutive photos. All photographers present should get orbs if it is dust being stirred up as well. These are just a few things for the skeptics to think of when they are condemning an orb photo as a fake or fraud and some things for investigators to consider when checking their photos for positives. 2.2 Orbs in Hindu Cosmology Dr.

Malati Sirsikar (1996:97) in the Cosmic Laws - Physics and Metaphysics and also Donder (2007:198-199) in Hindu Cosmology explained that in the esoteric understanding, the Universe was composed of fourteen world levels. The fourteen worlds can be divided into two groups; the first is the 'Saptatalas' consisting of Patala, Rasatala, Talatala, Mahatala, Sutala, Vitala, Atala; and the second is 'Saptalokas' consisting of Bhuloka, Bhuhvarloka, Swargaloka, Mahaloka, INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 63 Jñanaloka, Tapaloka, Satyaloka. Among them Bhuloka and Patala are two divisions pointing the boundary between the two regions of Saptalokas and Saptatala.

Beginning from the Earth till the top of the seventh level above is called the 'Saptalokas', while from the Patala to the seventh level at the bottom is called the 'Saptatalas'. It is a holistic study of cosmology that consists of Physical and Metaphysical Cosmology; it can also be said as the study of Materialistic and Spiritualistic Cosmology, the discussion of which involves the presence of the Almighty. It's the difference between the Hindu Cosmology and the Western Cosmology. Many things are not discussed in Western Cosmology but those are seriously discussed in Hindu Cosmology. That's why many experts of Cosmology, for example Prof.

Carl Sagan, an expert of Astronomy, are so amazed on Hindu Cosmology. Carl Sagan, Professor of Astronomy and Space Sciences from David Duncan and Director, Laboratory for Planetary Studies at Cornell University, in his book 'Cosmology' (2000) explains that the Hindu religion is the only one religion in the world that devote itself to the idea that

cosmos itself had a large number of events of births and deaths, countless. It is a religion in which the time scales on it are according to the time scale of Modern Cosmology.

In Hindu cosmology the concept of the cycle of creation and destruction of the universe occurs repeatedly. The process of creation and destruction of the universe as a cycle is known as the cosmic dance of Shiva. In this context, the god Shiva is known as Nataraja or 'King of Dancers' who has four arms. On the upper right arm He holds the drum as a symbol of 'the sound of creation'; in the upper left arm holding the flame, a symbol that the universe that has been created, billions of years later, will be destroyed.

In many Myths there are the seeds of the idea of modern astronomy, such as the idea of the beginning and the end of a period of galaxies. As was stated that if there was more material than we've seen because it is hidden in a black hole or in the hot gas, therefore not visible in between the galaxies, then the universe will cease its own development and follow repeated cycles as takes place in trust in India. And then came the development which is followed by shrinkage of the universe after universe, a cosmos without end.

If we live in the cosmos like this, the big bang is not the creation of the cosmos, but it is only the end of the previous cycle. Oscillating universe, the cosmos has no beginning or end (Skt. anadiananta) and we were in the middle of the cycle of death and rebirth that took place on an ongoing basis (Sagan, 1997, 2000:337-339). INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 64 Donder (2007:107-120) explains that God is the origin of all the elements of the Universe, God is the seed and the source of all beings, God covers the whole of the Universe, God is watching closely over the whole Universe, the Universe is united with the body of God, the Universe is supported by Soul, and then the Universe experienced cycles of birth and death many times, etc.

Donder (at 143) also explains the process of creation and destruction of the Universe with a sketch as shown in the picture. Through this sketch the reader can understand the concept of creation and fusion of the Universe that is cyclic nature. Guided by several of Hindu literatures, Donder explains the creation process briefly as follows: In the beginning the Universe was not there, at that time there was only a blank space and time, there was only God Himself. That was a form of the body of God as Saguna Brahma, called Hiranyagarbha (Womb of the Lord). This is the embryo of the concept of space and time.

In the blank of the space and time, there were only the 'Creation Energy Materials',

called Prakṛti, actually the Energy of God. Therefore God is also referred to as the "Materials Cause" or Causal Materialists of the Universe (Pudja, 1999:251). In Hiranyagarbha there are eight kinds of elements as the Bhagavadgītā VII.4 states: 'bhūmirāpo'nalovāyuākhaṃmanobuddhirevaca, ahaḥkārāitiyaṃ me bhinnāprakāṭiraūpadhā' (Earth, water, fire, air, ether, mind and understanding and self-sense; this is the eightfold division of My nature).

The eight elements (Bhumi, Apah, Anala, Vayu, Kham, Mano, Buddhi, Ahaḥkara) are called aūpapakṛti . The process of creation began from the element 'Buddhi' (Intellect of God), which then moves into the element 'Manas' (mind of God), and then from there emerged the realisation of 'Ahaḥkara' (Ego or God's will). Furthermore, through the will of God other elements were created; firstly 'Kham' (ether), from 'Kham' appeared 'Vayu' (air), from 'Vayu' appeared 'Teja' (fire), from 'Teja' emerged 'Apah' (water), and from 'Apah' emerged 'Bhum' or 'Pṛthivi' or earth. Prof. Dr.

Jiddu Butchi Venkat Rau (2011:10-12) in Panchabhūtas (The Five Divine Elements) explains: " Mula Prakṛti transforms to Mahat (the representative of Buddhi), Mahat transforms to Ahaḥkaram and Ahaḥkaram gets classified as Satvika, Rajasika and Tamāsika; five senses of knowledge (eyes, ears, touch skin, nose, tongue), five senses of action (speech, hands, legs, genitals, and anal opening) along with their master manas (mind) are born from Satvika Ahaḥkaram; Five gross elements (Pṛthivi or earth, Jala or water, Tejas or Agni or fire, Vayu or wind and Akasham or ether) and the five subtle elements (Sabda, Sparsa, Rupa, Rasa and Gandha) total 10 are born from Tamāsika Ahaḥkaram . Rājāsika Ahaḥkaram behaves as an overseer).

The five gross elements are known as Pañchabhūtas and five subtle elements are known as Pañcatanmatras. Each subtle element is a quality of a gross element – Sabda for Akasha, Sparsa for Vayu, Rupa for Agni, Rasa for Jalam, Gandha for Pṛthivi. The above description of Hindu Cosmology does not contradict with the idea of the creation of the Universe according to Modern Cosmology. Similarities between the Hindu Cosmology and Modern Cosmology can be briefly described as follows: when Vayu (air) was created then air friction produced, causing condensation, which resulted in the production of heat energy (Teja) as the Energy of God.

This heat energy caused a very large expansion, so the space prakṛti of Lord in the Hiranyagarbha and all its contents burst out with Huge explosion; the sound of this Huge explosion was heard as the sound AUM (OM). The sound of Om is also called Pranava, Word, which is believed to be the sound of the beginning of the universe, so

the sound of Om is believed to be the Voice of the Creation. From this concept came many concepts that believe the Universe was created from Vak (Vicara, Sabda, the Word, the Logos or Sound).

The description of the Hindu cosmology is quite relevant to the Theory of Creation of the Modern Cosmology, especially the Big Bang theory. The difference of Hindu Cosmology from the Modern Cosmology is that Hindu Cosmology involves discourse about God while Modern Cosmology does not involve direct discourse on God. Modern Cosmology claims that it is based only on the laws of nature. This difference is understandable because the Hindu Cosmology uses the holistic approach while Modern Cosmology (Science) uses only logic senses.

Nevertheless Modern Cosmology also indirectly talks about God; it uses the name INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 66 Prima, Causal, Primordial Energy as the name of God in the language of physics and chemistry. Hinduism allows the name of God by whatever (any) name (Ekam Sat ViprahVahudavadanti). The most important thing to discuss here is that the elements that make this universe are the Astaparak?ti from Hiranyagarbha (womb of God).

Scolding (2007:196) describes that the eight elements, astaparak?ti, as the principle constituent of the Universe, are in united state; and these elements cannot be separated from each other. Three elements are very subtle, namely Buddhi, Manas and Aha?kara that come from God to pervade the entire creation and stay inside all electron atoms of all elements in the Universe. These three elements – Buddhi, Manas and Aha?kara are element of the intelligence property of God (material properties).

The proportion of these three attributes of God, within each element, will determine the nature and character of each element and finally the character of a creation in this Universe. All elements in the Universe, ranging from dust to the mountains, plants, stars and humans – are all permeated by these three attributes of God. Therefore, one statement in the philosophy, which states – “there is nothing dead in the world”, but, “all things in the world are actually alive”, is true. This statement becomes the basis of the belief that every object has a spirit.

Testing of the truth of this statement can be observed in laboratories of Science of Wave Mechanics or Quantum Physics. In the language of science (Quantum Physics), the basic principle of all the elements in the Universe is Energy; while in the language of Hindu Philosophy or Hindu Theology, the basic principle of all things is Shakti as the manifestation of God. It is relevant to Upaniœad 1 which states:

îùàvàyamida?sarvamyatki?cajagatyàmjagat... 'All things that animate or inanimate all of them covered by God...' (Radhakrishnan, 2008:437). This explanation is relevant to Bhagavadgîtà IX.4: mayàtatamidaýsarvaý jagadavyaktamùrtinà, matsthànisarva-bhùtàninacàhaýteûvavasthitaá (By Me all this Universe is pervaded through My unmanifested form. All beings abide in Me but I do not abide in them); and also to the Bhagavadgîtà IX.10: mayàdhyakûéóaprakâtiásùyatesacaràcaram, hetunànenakaunteyajagadviparivartate. (Under My guidance, nature (prakâti) gives birth to all things, moving and Linmovcing and by this means, O Son of Kunti (Arjuna), the world revolves); and also to the BhagavadgîtàIX.29:samo 'haý sarva- bhùteûu na me dveûyo 'sti na priyaá, ye bhajanti tu màý bhaktyà mayi te teûu càpy aham(I am the same in (alike to) all beings. None is hateful nor dear to Me.

But INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 67 those who worship Me with devotion they are in Me and I also in them). Presence of the attributes of God that permeates the entire Universe becomes the basis of the concept of pantheistic theology, although Hindu theologies not only rely on the pantheistic theology alone. Based on the Hindu pantheistic theology, it is believed that the God Almighty hasBiggest properties that cover the entire Macrocosm. Likewise God Almighty also has Smallest properties that can enter and stay in the electron of the atoms. Prof.

Jiddu (2011:37) describes: " There are energy giving elements – Existential energy for the sustenance of all beings as manifestation of Parabrahma (Universal consciousness). The Existential energy i.e. Cosmic Energy (Divine Energy) is for man and man calls it as God ". The belief that the universe is covered, permeated, supported, controlled and guarded by the Consciousness of God later became the theme called Cosmic Consciousness in the Cosmology. Bhagavan Sri SathyaSai Baba says, "The world is always guarded by a consciousness of God, therefore no one leaf will fall down by accidentally". The results of a scientific research by Dr.

Masaru Emoto (2009), a scientist from Japan, have proved that in every particle of water there is awareness. The good words and bad words pronounced on the surface of the water were influential to the forms of water crystals in sub-zero temperature. Also there are many research results proving that plants have life and feelings. Recentstudies (<http://www.collegian.psu.edu/archive/2008/12/09>)describe: "Researchers from Michigan State University have discovered that plants have a rudimentary nerve structure, which allows them to feel pain.

According to the peer-reviewed journal Plant Physiology, plants are capable of identifying danger, signaling that danger to other plants and marshaling defenses

against perceived threats. According to botanist Bill Williams of the Helvetia Institute, "plants not only seem to be aware and to feel pain, they can even communicate." Based on the basic concepts above, Hindus believe in One God, outside and as well as inside the smallest particles of the Universe. This concept has led to a variety of Hindu theologies.

In the perspective of the faith that God is away from His creation, the Hindu religion provides a monotheistic theology. Then, in the perspective of the belief that God is the Smallest and very Smooth and dwells in the electrons of atoms, the Hindu religion provides a pantheistic theology. Not only these, but Hinduism provides a variety of theologies ranging from the most ancient theology to the most modern theology.

Hindu theology includes animistic awareness to monotheistic according to the evolution of intelligence of each person. Therefore, the Hindu theology will never contradict or at odds with the theology of any religion. A Hindu should not be angry only because of calling him so-called animist; because, it (animistic) is not bad, even it is glorious. For those who are animists will appreciate all of creation, they believe that in every creature there is a spirit or atman which is a manifestation of God or Brahman.

So, none of the faiths is bad or wrong; all faiths will lead to God-consciousness (Brahmavidyà, scolding, 2007; and Theology, scolding, 2010). According to Hinduism, the number of Spirits cannot be calculated; even, Hindu Cosmology states that the Universe at the beginning was a Spirit. If the Spirit can enter into the electrons of atoms of each element, then the world is filled with the Spirit. The number of spirits is same as the number of electrons of all the atoms in the Universe. If the number of the atomic electron is infinite, then the spirits are also innumerable; the Spirit covers the entire Universe.

Only human eyes cannot see it, but the yogis who mastered RajaYoga ('Brahmavidyà' or 'Atmavidyà') knowledge are able to see it. 2.3 Orbs, Hindu Pantheism and Cosmic Consciousness As has been described above that the world is originated from Hiranyagarbha or Warehouse of the Universe, which was not visible to the eye. Warehouse of the Universe is a kind of Subtle Body or Spirit of the God, also called Maya of God, from which the Universe was created. The Universe was initially hidden in Hiranyagarbha and after its creation it can then be seen by the eyes.

However, after transformed into matter, the delicate nature of the basic ingredients remains the same in the Universe. It is also stated in the Hindu theology that one day

the world will experience 'pralaya' or 'apocalypse' and will not be seen again. Creation and destruction will continue repeatedly and endlessly. As stated in the Bhagavadgîta II.28: avyaktàdinibhùtànimvyakta -madhyànibhàrata,avyakta-nidhanànyevat atrakàparidevanà (Beings are un-manifest in their beginnings, manifest in the middles and un-manifest again in their ends, O Bhàrata (Arjuna). What there in this for lamentation?).

Again a œloka in the Bhagavadgîta (IX.7)states: sarva bhùtànikaunteyaprakâtiyyàntimàmikàm, kalpakûayepunas tànikalpàdauvisâj àmyaham (All beings, O Son of Kunti (Arjuna), pass into nature which is My own at the end of the cycle; and at the beginning of the (next) cycle, I send them forth). And INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, I SSUE 5, N OV 2012 69 the Bhagavadgîta IX.8

states: prakâtiýsvàmavaû þabhyavisâjàmipunaáþunaá,bhùtagràmmamimaykátsnamavaúáyprakâtervaúàt (Taking hold of nature which is My own, I send forth again and again all this multitude of beings which are helpless, being under the control of nature (Prakâti). Prof. Dr. B.B. Puri (2003:8) states that our Sages and Saints could see thousands of years ahead. They knew various mysterious and mystical elements of this Universe even before Western Scientists could start finding them out. Dr. B. S. Mavinkurve et al (1995:26) describes: We find Science analysing matters and sub- dividing it to arrive at the Reality at the base, while Spirituality starts right from the base of all phenomena, and then explains the multifarious types of phenomena in relation to that Reality.

Just as Science sees atoms, protons, electrons and so on as the 'building blocks' of the physical world, Spirituality, going still deeper to the source, studies the Cosmic Consciousness immanent in all things and beings, and sees that as the essential substratum of the Universe. Today, Science is finding that matter, subdivided into subatomic elements, tapers off into energy and light, whose working finally points to a supreme Intelligence or Consciousness. As Fritjof Capra, the eminent Physicist puts it: "Solid matter does not exist. It is a construct of the human sense and the mind, which does not exist in the Cosmic drama of energy patterns.

The power that keeps the Cosmic drama going is, according to Spiritual Science, the Divine Mind. The Dancing 'Nataraja' of Hindu culture symbolises this Truth". KowthaLalith in Gayatri Devi Vasudev's book (2009:141) describes that each of these directions has a deity called Dikpàlas. The Dikpàlas are asfollows: East – Indra, South – Yama, West – Varuna, North – Kubera, South-East – Agni, South- West - Nir?ti, North-West – Vàyù, and North-East – Íúàna. The Vedic texts have given different hymns

to the eight Dikpàlas. What has been described by KowthaLalith about Dikpàlas means that God is present everywhere, also in every atom. Everything in the Universe, if seen as Cosmic Consciousness wave (= 0 Hz), can possibly perform as the subtle material or as the soul.

And if everyone possesses Cosmic Consciousness (= 0 Hz), then he/she will see everything as a soul; it is easy to understand if everyone understands the knowledge of RajaYoga (the King of Knowledge). In addition, Japanese scientist Dr. Masaru Emoto, as stated earlier, reported the results of his research that proved that the utterance of any good/bad word can affect the structure of water crystals. He stated that chanting of mantras also can affect the crystals of water in human body, which ultimately has a positive effect on physical and mental health. Other new evidences have also been given by many other researchers.

The basic concepts of Quantum physics and modern technology of digital cameras and Kirlian photography and Aura photography have given spirit to explore more and more the effects of Hindu rituals and spiritual disciplines; and it has been proved that Hindu teachings are not mere beliefs, but very scientific truths. Donder (2009) in a research on " Exotic Phenomena around Ratu Bagus " reported that the joy, peace and controlled happiness of human mind and heart effect the emergence of beautiful 'Orbs' around the area of "shaking meditation".

The forms and colours of the Orbs are different according to the different states of the mind. Again in "Bio Energy Meditation - Ratu Bagus" (2009), it is stated that at the stage of proper contemplation, the mind can invite the 'Orbs'. The more the level of contemplation becomes high, the more the shapes and colours of "Orbs" become clear. Many authors and researchers describe, in internet, that the Orbs are only "wet dust, exposed to light". Others say that the Orbs are 'ghosts'; or, these are due to some 'problem of lens in camera'. But, Donder concludes that the Orbs are the smallest conscious particles due to the vibrations of the energy of human mind and body.

This conclusion corresponds to the concept of pantheism in Hindu theology, that Almighty God pervades the entire universe down to the core of atom. So, the "Orbs" are symptoms of divinity, which appears materially to be uncountable particles. At the solemn and holy atmosphere in the rituals, many Orbs appear, as if, they come to show their joy dancing like Tandavan?tya of ĀivaNatharaj. Ida PanditaMpuNabeParamadaksaNathaRatuBagus says that harmony is the law of the Universe. As it is known that the principle of harmony of life among all the dwellers in the Universe is the principal characteristic of Hinduism.

As regards Hinduism in Bali, one can find worshipping places at every nook and cranny in mountains, rivers, big trees, phenomenal places, etc. On that account, some ignorant people will say that Hinduism venerates the nature. The Hindus need not get angry or feel inferior to be called a worshipper of nature. The Hindus must inform them that Hinduism seems to be the worshipping of nature, because it completely realises that God pervades over all things, even into the nucleus of atomic electron; and from there God provides the energy of the Universe.

The Vedas say: 'sarvakhallidam Brahman' or 'all are God'; and the IsaUpanishad states: 'isavasyamidamsarvamyatkiñcajagatyamjagat' or INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 71 'God pervades the whole Universe'. Moreover, the Quantum Physics Theory or New Physics justifies pantheism in the principles of Hinduism. Fritjof Capra says that the Āivanataraja or Tandava dance represents the dance of God in every single atomic electron. Ida PanditaMpuParamaDaksaNathaRatuBagus is the Master of "Bio Energy Meditation of Ratu Bagus" in Bali, Indonesia. He has disciples in 38 countries in the world. He teaches everyone to grow the cosmic consciousness within.

And he said that the one who has the cosmic consciousness can enter into the core of the atom. It proves that the spiritual consciousness of the human condition (manah in the microcosm) affects the consciousness of the Universe (Mahat in the macrocosm); and vice versa. It also proves the truth of what the Hindu saints claimed, that the natural phenomena are reflections of the human mind.

There is a little difficulty to explain the phenomenon of appearance of Orbs; especially when explained to people without the understanding of Hinduism. Indeed, in the present times, Science and Technology are trying to explain this phenomenon. The only point is that Science uses the term "Primordial Energy", instead of "God", behind every phenomena and secrets in the Universe. There are many discourses and debates between believers and non-believers regarding the existence of the Orbs. It would be easy to explain to the people who have basic knowledge of Hindu theology, Hindu philosophy, especially the concept Pañcamàhabhûta (the five Divine elements) and the knowledge of Quantum Physics.

Through the Hindu theology that sources from the Catur-Vedas, Aranyaka Upanishads, or Brahmasutra, etc., we know about how the universe was created and how the nature of God Almighty exists outside of the universe and covers the INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 72 Universe. And the nature of God as Very Small (

Paramànu) existence can occupy the core of the sub-atom particles in each element.

The God life exists within every sub-atom, which, in the language of Physics and Chemistry, is called potential energy of the electrons, and sometimes it is called the Primordial Energy. Indeed, the appearance of Orbs can be explained completely by Hinduism and Science. Swami Vivekananda says: "The control of the mind and manipulation of mental power is at the bottom of most phenomena which cannot be explained by laws of external Nature. Rajayoga is the science concerned with this".

Based on the above description, it is clear that the Orbs appear at the time of worship due to collaborative/collective effects of the energies in all ritual procession.

III. CONCLUSION As I have mentioned above that I have two times carried out researches on orbs and the results of my research have been published as a book. My research was supported by hundreds of photographs of orbs.

The photos of orbs I took at different times and different places. And the data are also supported by the photos of orbs, photographed by Ratu Bagus students who come from different countries. Through my observations and also reports from students of Ratu Bagus, it is understood that the orbs will be coming a lot around us with different shapes and colours when we are in shades of silence and sacredness. Orbs are not only in caves, cemeteries or haunted places. Orbs exist anywhere, at the place of calm conditions.

Cosmologically, theologically and physically, orbs are truly collection of dust, but in the dust, there is a sense that controls dust, that's one form of Cosmic Consciousness. This phenomenon is a very good for humans, because by knowing that there are orbs everywhere, it will INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 73 make people aware that the manifestation of God is always watching human behaviour everywhere. Hopefully, discourse on orbs will make people more aware of the existence of God.

We have possibility to see the orbs everywhere and at any time directly with the naked eyes, through a method of spiritual practice. But today's digital technology has also prepared tools to see them. We are free to choose any one of them depending on our goals. BIBLIOGRAPHY 1. Capra, Fritjof, 2001. Tao of Physics (Menyingkap Paralelisme Fisika Modern dan Mistisisme Timur), Yogyakarta: Jalasutra 2. Donder, I Ketut Donder, 2006. Brahmavidya: Teologi Kasih Semesta (Brahmavidya: Theology of Universal Affection), Surabaya : Paramita 3. Donder, I Ketut, 2005. Esensi Bunyi Gamelan dalam Ritual Hindu (The Essence of Gamelan Sounds in the Hindu Ritual), Surabaya: Paramita 4.

Donder, I Ketut, 2007. Kosmologi Hindu (Hindu Cosmology) Surabaya: Paramita 5.

Donder, I Ketut, 2009. Ratu Bagus Bio Energy Meditation, Surabaya:Paramita 6. Donder, I Ketut, 2009. The Exotic Phenomena around Ratu Bagus, Surabaya:Paramita 7. Donder, I Ketut, 2010. Theology in Perspective of Sanatana Dharma, Surabaya:Paramita 8. Mavinkurve, Brahmanand S., 1995. Spirituality and Science, New Zealand: Sathya Sai Publications of New Zealand and Values Education and Service Trust 9. Pudja, I Gde, 1999, Bhagavadgîtà, Surabaya: Paramita 10. Puri, B.B., 2008. Vastu Science for 21 st Century, New Delhi: New Age Books 11. Radhakrishna, S., 2008. Upanisad-Upanisad Utama (The Principle of Upaniûad), Surabaya: Paramita 12.

Rau, Jiddu Butchi Venkat, 2011. Panchabhutas (Five Divine Elements), Hyderabad: Srikala Printers INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 74 13. Sagan, Carl, 2000. Kosmologi (Cosmology), Jakarta : Yayasan Obor Indonesia 14. Sirsikar, Malati, 1996, Cosmic Laws (Physics and Metaphysics), Maharashtra, Cosmos Publishing House 15. Swami Atmaramananda, 2008. Art, Culture and Spirituality, Kolkata, Advaita Ashram. 16. Swami Budhananda, 2009. Can One be Scientific and Yet Spiritual?, Kolkata: Advaita Ashram. 17. Swami Nihseyananda, 1993. Man and His Mind, Mylapore – Madras, Sri Ramakrishna Math 18. Swami Yatiswarananda, 2006.

Essentials of Spiritual life, Mylapore - Chennai: Sri Ramakrishna Math 19. Swami Vireswarananda, 2008. Spiritual life for Modern Times, Chennai, Sri Ramakrishna Math. 20. Swami Vivekananda, 2009. The Science and Philosophy of Religion, Kolkata: Advaita Ashram 21. Vasudev, Gayatri Devi, 2009, Vastu – Astrology and Architecture, New Delhi, Motilal Banarsidas 22.

<http://asalasah.blogspot.in/2012/03/orbs-dan-makhluk-halus-di-sekitar-kita.html> 23.
<http://en.allexperts.com/q/Paranormal-Phenomena-3278/2010/10/Flash-light.htm> 24.
<http://en.wikipedia.org/wiki/Backscatter> 25. <http://en.wikipedia.org/wiki/Orb> 26.
http://en.wikipedia.org/wiki/Perceptions_of_religious_imagery_in_natural_phenomena 27. <http://en.wikipedia.org/wiki/Retroreflection> 28.
<http://forageporage.wordpress.com/2011/10/10/orbs-a-phenomenon-of-light/> 29.
<http://frimeyou.blogspot.in/2012/09/orb-sebuah-fisik-atau-mistik.html> 30.

<http://ghostweb.com/> 31. <http://artshangkala.wordpress.com/> INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY EDUCATIONAL RESEARCH ISSN : 2277-7881 VOLUME 1, ISSUE 5, NOV 2012 75 32. <http://donnyverdian.net/> 33.
<http://insightparanormal.org/> 34. <http://theshadowlands.net/ghost/orbs.htm> 35.
<http://pub43.bravenet.com/forum/static/show> 36.
<http://shaiboi808.angelfire.com/orbs.html> 37.
<http://talkingtoheaven.webs.com/orbs.htm> 38. <http://Wikipedia.org/> 39.
<http://millersparanormalresearch.com/> 40.

http://www.collegian.psu.edu/archive/2008/12/09/recent_studies_have_proven_pla.aspx 41. <http://www.ghostweb.com/magic1.html> 42.
http://www.ghostweb.com/orb_theory.html 43.
<http://www.millersparanormalresearch.com/> 44.
<http://www.skepticalanalysis.com/id6.html>
45. <https://psghosthunters.wordpress.com/2010/02/18/orbs/>

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