

Pusat Penelitian Nanoteknologi dan Rekayasa Inovasi



Sejak 24 April 2015 – Sekarang

Pendiri: Prof. Hendry Izaac Elim, Ph.D



Fasilitas PPNRI:



Dapur tembat kami Bekerja (*Integrated Laboratory <i-LAB>*)

Theoretical Physics

FROM THEORETICAL PHYSICS TO A DESIGN PROTOTYPE : Stamec-Gravitism

Complexity from simplicity

A DESIGN PROTOTYPE FOR EXAMPLE:

Stamec-Gravitism perpetual mobile device

RESEARCH PROCESS

Gravity surrounding us

Statistical Mechanics

$$G = \text{free energy} = H - ST$$

$$H = U + PV$$

$$G = A + PV$$

$$S = \text{(Entropy)} = \frac{\partial H}{\partial T}$$

$$H = U + ST$$

$$U = A + ST$$

$$V = \text{(Enhanced entropy)}$$

Physics discussion

Generator AC

$$\epsilon = NBA \omega \sin(90^\circ)$$

$$G = 6.7384 \times 10^{-11} N \cdot m^2 \cdot s^{-2}$$

$$= 6.67384 \times 10^{-11} m^3 \cdot kg^{-1} \cdot s^{-1}$$

Mechanical Rotation

$$F_g = -G \frac{m_B m_E}{r^2},$$

$$m_E = 5.972 \times 10^{24} Kg$$

$$E_k = \frac{1}{2}(I)\omega^2$$

$$\omega \rightarrow \tau = r \times F_g$$

Electricity and Magnetism System (Electrical power, P_e)

$$P_e = \epsilon I = I^2 \cdot R = \frac{\epsilon^2}{R}$$

$$E(\omega) \text{ depends on the designed system}$$

Eq. (6):

$$T = \frac{T_f - T_i}{\ln T_f - \ln T_i} = \frac{\Delta T}{\ln(\frac{T_f}{T_i})}$$

The invention of a constant temperature definition

actually a division between the temperature change ($\Delta T = T_f - T_i$) and the logarithm (\ln) of (T_f/T_i). For example: a measured constant temperature $T = (34.10 \pm 0.05) C^0$ is actually defined as

$$\frac{T_f - T_i}{\ln T_f - \ln T_i} = \frac{(34.15 - 34.05) C^0}{\ln(34.15) - \ln(34.05)}$$

$$= \frac{0.10 C^0}{3.53076 - 3.52783}$$

$$= \frac{0.10 C^0}{0.00293} = 34.13 C^0.$$

Such simple discovery illustrates that the creator (GOD/ YaHWeH) is THE ONLY 264 Mobile Perpetual Electricity Generator

Produk dari “Dapur Riset kami” :



of the theory and The Nature of His Truth, respectively. In physical science of our universe, such idea has been well-known by multidisciplinary scientists in which most of the breakthrough knowledge and understanding was always based on conservation laws in nature [2-4]. These all of 6 conservation laws in universe [2] could be also applied in nanoscience, nanotechnology and nanomedicine (NNN) various multitasking experiments [4] with the following 6 significant parameters of size, shape, flexibility, Hydrogen bonding and dipole interaction among 2 atoms, Functional group types and its orientation and Dispersion force, π -aromatic stacking, and hydrophobic effect [5,6]. This principle has been similarly applied to earthly rare materials (RE elements) [7]. Figure 2 shows how such thought is implemented in NNN through its nature of truth.

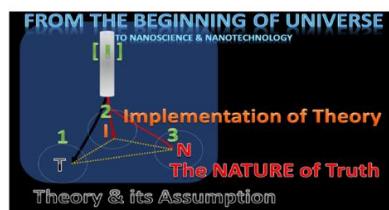


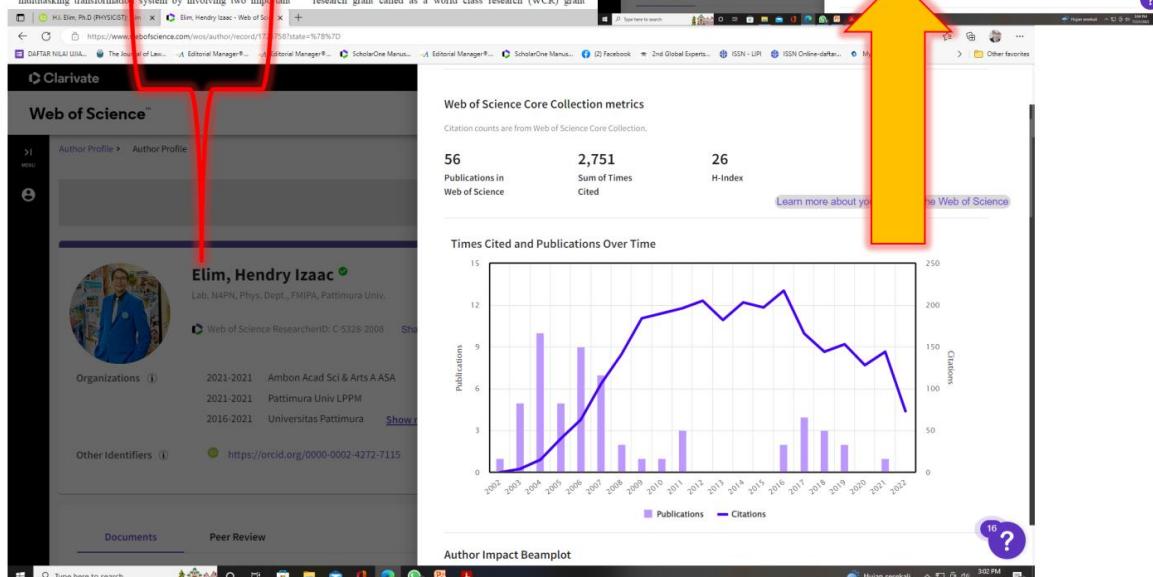
Figure 1: The point with its 3 personalities of understanding our universe started from its beginning until its various applications including in the knowledge of the development of nanoscience and nanotechnology: (1). Theory and its assumption, (2). Implementation of the theory and (3). The nature of truth.



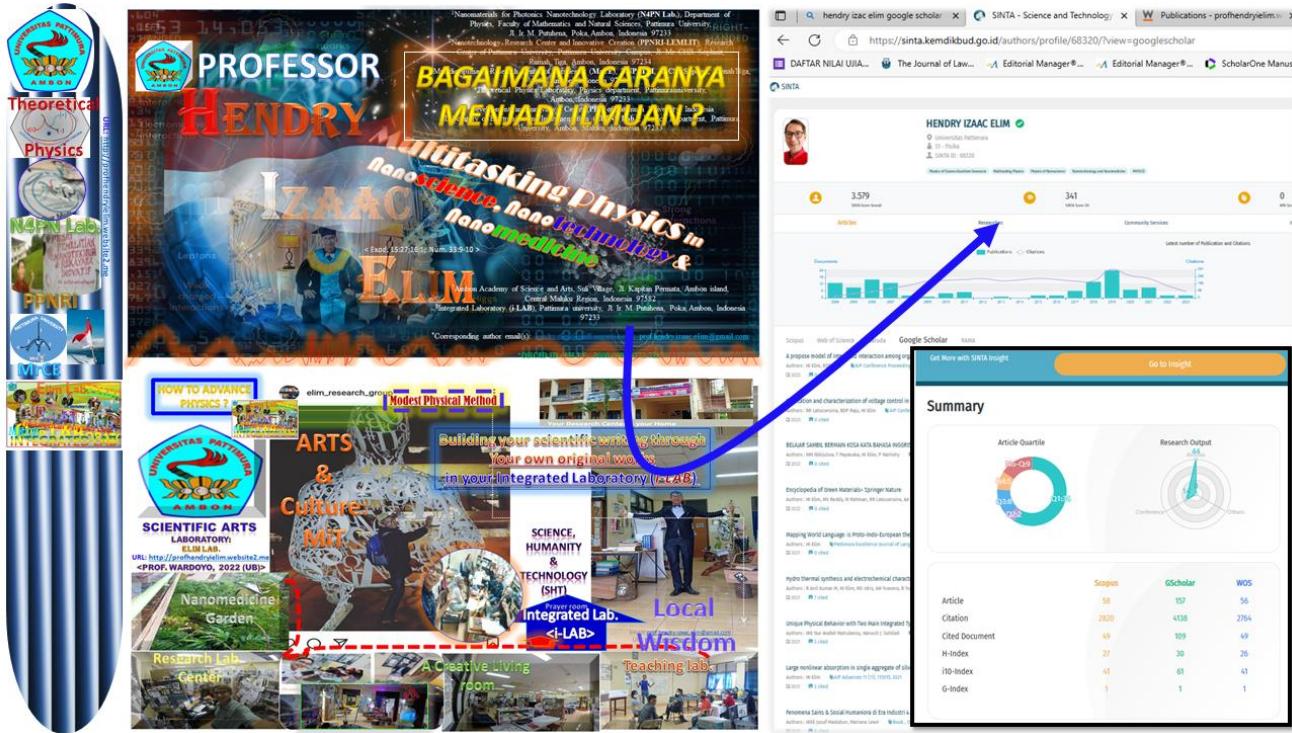
Figure 2: The applications of a deep understanding of Fig. 1 in nanoscience, nanotechnology and nanomedicine (NNN).

In remarkable conclusion and summary, TIN in NNN work in multtasking transformation system by involving two important

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Bagaimana cara mempublikasikan output riset kami:



Roadmap of our Research Planning (2015-2035):



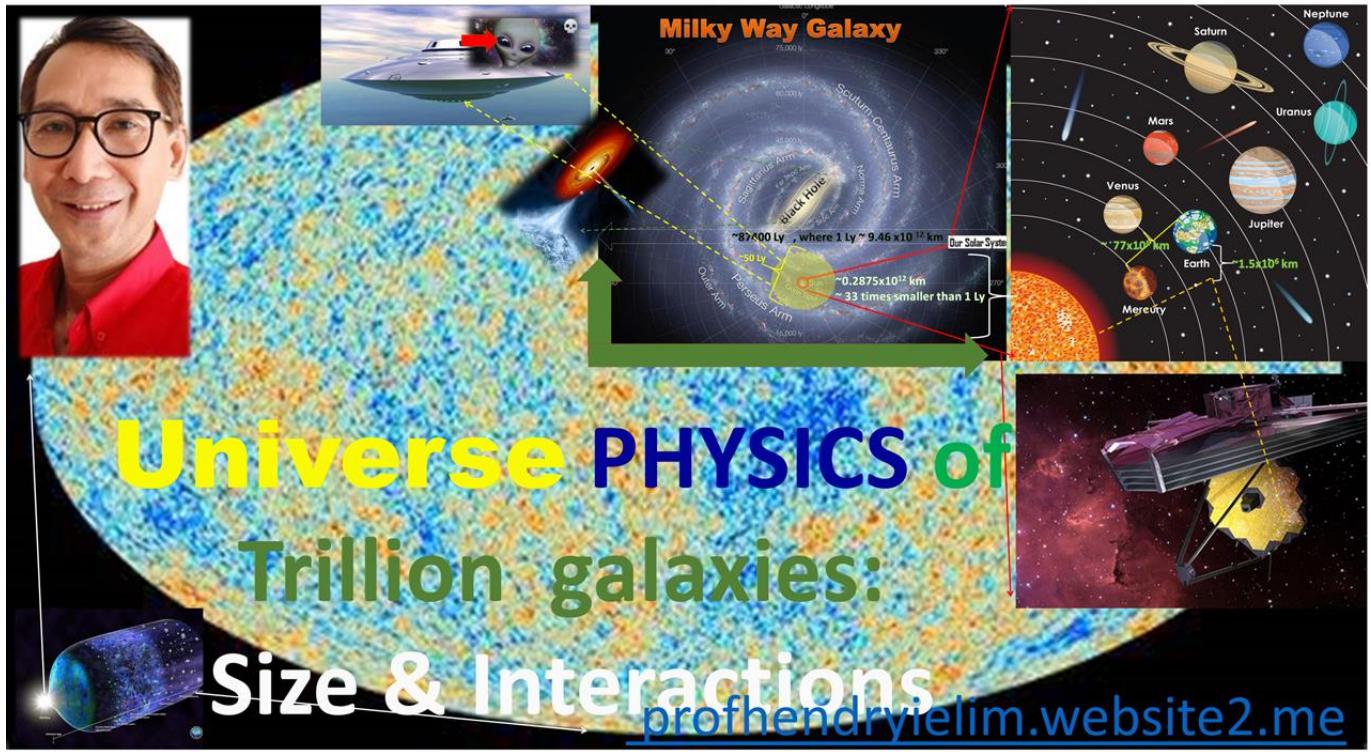
SK terbaru dan sistem Organisasi PPNRI:



Prof. H.I. Elim, Ph.D (on 1 December 2022)

Bagaimana Prof. Elim dan rekan ilmuannya bekerja di PPNRI:





Physics of Universe (Prof. H.I. Elim, Ph.D, 2023)

**Ketua Pusat Penelitian Nanoteknologi dan Rekayasa Inovasi
(PPNRI)**



A. IDENTITAS DIRI

- | | |
|---------------------------------|--|
| 1. N a m a | : <u>Prof.(RI.1053.40) Hendry Izaac Elim, S.Si, M.Si, Ph.D</u> |
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| 3. Guru Besar Dalam Bidang Ilmu | : FISIKA NANOSAINS DAN NANOTEKNOLOGI |
| 4. Pangkat/Golongan Ruang | : III D |
| 5. Tempat/Tanggal Lahir | : Ambon / 22 Januari 1969 |
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| 7. Unit Kerja | : Jurusan Fisika, FMIPA, UNPATTI |
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B. RIWAYAT PENDIDIKAN:

1. Menamatkan SD Xaverius B, Tahun 1982;
2. Menamatkan SMP Negeri 6, Ambon, Tahun 1985;
3. Menamatkan SMA Negeri 1, Ambon, Tahun 1988;
4. Menamatkan Strata Satu (S1), Jurusan FISIKA, Pada Fakultas Matematika dan Ilmu Pengetahuan Alam (MIPA), Universitas Gadjah Mada, Yogyakarta, Tahun 1995;
5. Menamatkan Program Magister Program Pascasarajana S2, Program Studi FISIKA, Pada Fakultas MIPA, Institut Teknologi Bandung, Tahun 1999;
6. Menamatkan Program Doktor (S3), Jurusan FISIKA, *National University of Singapore* (NUS), Singapore, Tahun 2005.
7. Melakukan Riset Pengembangan Ilmu sebagai *Research Fellow (Type B)* pada *Biomolecular and Chemical Engineering, Faculty of Engineering*, NUS, Singapore pada Tahun 2004-2006.
8. Melakukan Riset Pengembangan Ilmu sebagai *Postdoctoral Researcher* pada Jurusan Fisika, NUS, Singapore, Tahun 2006-2007.
9. Melakukan Riset Pengembangan Ilmu sebagai Research Assistant Professor pada *Institute of Multidisciplinary Research for Advanced Materials* (IMRAM), Tohoku University, Japan, Tahun 2007-2012.
10. Melakukan Riset Pengembangan Ilmu sebagai peneliti berpengalaman (*research scientist*) di Surya university dan STKIP Surya, Tahun 2013-2014.

C. RIWAYAT KEPANGKATAN DAN JABATAN FUNGSIONAL DOSEN

1. Terhitung Mulai Tanggal 1 Maret 1996 (No. **9467/A2/KP/1996**), diangkat sebagai Calon Pegawai Negeri Sipil, Golongan III/a, pada Fakultas FKIP, Universitas Pattimura;
2. Terhitung Mulai Tanggal 20 Januari 1998 (No. **51/PT15.H15/KEP/C/1998**), diangkat sebagai Pegawai Negeri Sipil, dalam Pangkat Penata Muda/Asisten Ahli, Golongan Ruang III/a, pada Fakultas FKIP, Universitas Pattimura;
3. Terhitung Mulai Tanggal 2 April 2001 (No. **2338/PT16.H15/KEP/C/2001**), diangkat dalam Pangkat Penata Muda Tingkat I/Lektor Muda, Golongan Ruang III/b, pada Fakultas MIPA, Universitas Pattimura;
4. Terhitung Mulai Tanggal 1 Oktober 2019 (No. **152/D2.1/KK.01.00/LK/2019**), diangkat dalam Pangkat Penata/**Lektor Kepala**, Golongan Ruang III/c, pada FMIPA, Universitas Pattimura;
5. Terhitung Mulai Tanggal **1 Desember 2022** (No. **1178/E4/KP/GB/2022**), diangkat dalam Jabatan Sebagai **Profesor/Guru Besar**, Golongan Ruang III/d (No. **88826/A3/KP.06.00/2021**), dalam bidang Ilmu : **Ilmu FISIKA NANOSAINS dan NANOTEKNOLOGI**, pada Fakultas MIPA, Universitas Pattimura;

D. RIWAYAT PENGALAMAN JABATAN

1. Sebagai Sekretaris Jurusan FISIKA, Pada Fakultas MIPA Universitas Pattimura, Periode 2000-2001
2. Sebagai **Kepala Pusat Studi** Pusat Penelitian Nanoteknologi dan Rekayasa Inovasi (**PPNRI**), **LEMLIT**, Universitas Pattimura, Periode **2015-2019**.

15 Januari 2015, SK REKTOR UNPATTI, NO.: 65/uN13/SK/2015.

3. Sebagai **Kepala Pusat Studi** Pusat Penelitian Nanoteknologi dan Rekayasa Inovasi (**PPNRI**), **LPPM**, Universitas Pattimura, Periode 2021-2025.

22 Juni 2021 dengan SK REKTOR UNPATTI, No. 996/UN13/SK/2021 (2021 - 2025).

E. PUBLIKASI/ARTIKEL

Tabel berikut merupakan publikasi lengkap hingga menjadi seorang Guru Besar Fisika disertai dengan fakta-fakta sitasi pada setiap publikasi

No	Jumlah Citation	Authors	Judul paper	Tahun published	Nama Jurnal
1	371	BK Pong, HI Elim , JX Chong, W Ji, BL Trout, JY Lee	New insights on the nanoparticle growth mechanism in the citrate reduction of gold (III) salt: formation of the Au nanowire intermediate and its nonlinear optical properties	2007	The Journal of Physical Chemistry C 111 (17), 6281-6287
2	291	HI Elim , J Yang, JY Lee, J Mi, W Ji	Observation of saturable and reverse-saturable absorption at longitudinal surface plasmon resonance in gold nanorods	2006	Applied physics letters 88 (8), 83107
3	270	Y Zhu, HI Elim , YL Foo, T Yu, Y Liu, W Ji, JY Lee, Z Shen, ATS Wee, ...	Multiwalled carbon nanotubes beaded with ZnO nanoparticles for ultrafast nonlinear optical switching	2006	Advanced Materials 18 (5), 587-592
4	265	J Yang, HI Elim , QB Zhang, JY Lee, W Ji	Rational synthesis, self-assembly, and optical properties of PbS–Au heterogeneous nanostructures via preferential deposition	2006	Journal of the American Chemical Society 128 (36), 11921-11926
5	218	SH Lim, HI Elim , XY Gao, ATS Wee, W Ji, JY Lee, J Lin	Electronic and optical properties of nitrogen-doped multiwalled carbon nanotubes	2006	Physical Review B 73 (4), 45402
6	200	AH Yuwono, B Liu, J Xue, J Wang, HI Elim , W Ji, Y Li, TJ White	Controlling the crystallinity and nonlinear optical properties of transparent TiO ₂ -PMMA nanohybrids	2004	Journal of Materials Chemistry 14 (20), 2978-2987
7	166	AH Yuwono, J Xue, J Wang, HI Elim , W Ji, Y Li, TJ White	Transparent nanohybrids of nanocrystalline TiO ₂ in PMMA with unique nonlinear optical behavior	2003	Journal of Materials Chemistry 13 (6), 1475-1479
	159	HI Elim , W Ji,	Ultrafast optical nonlinearity in nanocomposites	2003	Applied physics letters 82 (16), 2691-2693

8		AH Yuwono, JM Xue, J Wang			
9	153	KC Chin, A Gohel, WZ Chen, HI Elim , W Ji, GL Chong, CH Sow, ATS Wee	Gold and silver coated carbon nanotubes: an improved broad-band optical limiter	2005	Chemical Physics Letters 409 (1-3), 85-88
10	120	GX Chen, MH Hong, TC Chong, HI Elim , GH Ma, W Ji	Preparation of carbon nanoparticles with strong optical limiting properties by laser ablation in water	2004	Journal of Applied Physics 95(3), 1455-1459
11	101	J He, W Ji, GH Ma, SH Tang, HI Elim , WX Sun, ZH Zhang, WS Chin	Excitonic nonlinear absorption in CdS nanocrystals studied using Z-scan technique	2004	Journal of Applied Physics 95(11), 6381-6386
12	91	L Tian, HI Elim , W Ji, JJ Vittal	One-pot synthesis and third-order nonlinear optical properties of AgInS ₂ nanocrystals	2006	Chemical communications , 4276-4278
13	88	HI Elim , B Cai, Y Kurata, O Sugihara, T Kaino, T Adschari, AL Chu, ...	Refractive Index Control and Rayleigh Scattering Properties of Transparent TiO ₂ Nanohybrid Polymer	2009	The Journal of Physical Chemistry B 113(30), 10143-10148
14	88	KC Chin, A Gohel, HI Elim , W Chen, W Ji, GL Chong, CH Sow, ATS Wee	Modified carbon nanotubes as broadband optical limiting nanomaterials	2006	Journal of materials research 21(11), 2758-2766
15	88	HI Elim , W Ji, GH Ma, KY Lim, CH Sow, CHA Huan	Ultrafast absorptive and refractive nonlinearities in multiwalled carbon nanotube films	2004	Applied physics letters 85(10), 1799-1801
16	86	YJ Liu, XW Sun, HI Elim , W Ji	Gain narrowing and random lasing from dye-doped polymer-dispersed liquid crystals with nanoscale liquid crystal droplets	2006	Applied physics letters 89(1), 11111
17	70	GX Chen, MH Hong, TS Ong, HM Lam, WZ Chen, HI Elim , W Ji, TC Chong	Carbon nanoparticles based nonlinear optical liquid	2004	Carbon 42 (12-13), 2735-2737
18	69	D Darbar, MR Anilkumar, V Rajagopalan, I Bhattacharya, HI Elim , ...	Studies on spinel cobaltites, MCo ₂ O ₄ (M= Mn, Zn, Fe, Ni and Co) and their functional properties	2018	Ceramics International 44(5), 4630-4639
19	52	HI Elim , W Ji, MT Ng, JJ Vittal	nanorods: A semiconducting material for saturable absorber	2007	Applied physics letters 90(3), 33106
20	44	B Cai, O Sugihara, HI Elim , T Adschari, T Kaino	A novel preparation of high-refractive-index and highly transparent polymer nanohybrid composites	2011	Applied physics express 4(9), 92601
	44	HI Elim , R Anandakathir, R Jakubiak, LY Chiang, W Ji, LS Tan	Large concentration-dependent nonlinear optical responses of starburst diphenylaminofluorenocarbonyl methano [60] fullerene pentads	2007	Journal of Materials Chemistry 17(18), 1826-1838

21					
22	42	HI Elim, J Ouyang, SH Goh, W Ji	Optical-limiting-based materials of mono-functional, multi-functional and supramolecular C60-containing polymers	2005	Thin Solid Films 477 (1-2), 63-72
23	41	YJ Liu, XW Sun, HI Elim, W Ji	Effect of liquid crystal concentration on the lasing properties of dye-doped holographic polymer-dispersed liquid crystal transmission gratings	2007	Applied physics letters 90(1), 11109
24	41	HI Elim, W Ji, F Zhu	Carrier concentration dependence of optical Kerr nonlinearity in indium tin oxide films	2006	Applied Physics B 82(3), 439-442
25	38	R Kunwar, M Harilal, SG Krishnan, B Pal, II Misra, CR Mariappan, HI Elim, J. Rajan	Pseudocapacitive charge storage in thin nanobelts	2019	Advanced Fiber Materials 1(3), 205-213
26	37	HI Elim, SH Jeon, S Verma, W Ji, LS Tan, A Urbas, LY Chiang	Nonlinear Optical Transmission Properties of C60 Dyads Consisting of a Light-Harvesting Diphenylaminofluorene Antenna	2008	The Journal of Physical Chemistry B 112(32), 9561-9564
27	36	KC Chin, A Gohel, HI Elim, W Ji, GL Chong, KY Lim, CH Sow, ATS Wee	Optical limiting properties of amorphous SixNy and SiC coated carbon nanotubes	2004	Chemical physics letters 383 (1-2), 72-75
28	36	W Ji, HI Elim, J He, F Fitriawati, C Baskar, S Valiyaveettil, W Knoll	Photophysical and nonlinear-optical properties of a new polymer: Hydroxylated pyridyl para-phenylene	2003	The Journal of Physical Chemistry B 107(40), 11043-11047
29	32	AH Yuwono, J Xue, J Wang, HI Elim, W Ji	Titania-PMMA nanohybrids of enhanced nanocrystallinity	2006	Journal of electroceramics 16(4), 431-439
30	31	HI Elim, Y Zhu, CH Sow	Length dependence of ultrafast optical nonlinearities in vertically aligned multiwalled carbon nanotube films	2016	The Journal of Physical Chemistry C 120(31), 17733-17738
31	30	M Bystrzejewski, H Lange, A Huczko, HI Elim, W Ji	Study of the optical limiting properties of carbon-encapsulated magnetic nanoparticles	2007	Chemical Physics Letters 444 (1-3), 113-117
32	29	HI Elim, J Ouyang, J He, SH Goh, SH Tang, W Ji	Nonlinear optical properties of mono-functional 1, 2-dihydro-1, 2-methanofullerene [60]-61-carboxylic acid/polymer composites	2003	Chemical physics letters 369 (3-4), 281-286
33	28	HI Elim, B Cai, O Sugihara, T Kaino, T Adschari	Rayleigh scattering study and particle density determination of a high refractive index TiO ₂ nanohybrid polymer	2011	Physical Chemistry Chemical Physics 13(10), 4470-4475
34	27	HI Elim, W Ji, J Yang, JY Lee	Intensity-dependent enhancement of saturable absorption in nanohybrid composites: Evidence for resonant energy transfer by Auger recombination	2008	Applied Physics Letters 92(25), 251106

35	26	JP Lang, QF Xu, W Ji, HI Elim , K Tatsumi	Syntheses, Crystal Structures and Optical Limiting Properties of Three Novel Organometallic Tungsten-Copper-Sulfur Clusters:[PPh ₄][(η 5-C ₅ Me ₅) WS ₃ (CuCN) 2],[(η 5-C ₅ Me ₅) WS ₃ Cu ₂ ...]	2004	European Journal of Inorganic Chemistry 2004(1), 86-92
36	26	J Ouyang, SH Goh, HI Elim , GC Meng, W Ji	Dynamic mechanical behavior and optical limiting property of multifunctional fullerol/polymer composite	2002	Chemical physics letters 366 (3-4), 224-230
37	25	GS. Zhai; H.I. Elim	Control System of Multitasking Interactions between Society 5.0 and Industry 5.0: A Conceptual Introduction & Its Applications	2020	Jiurnal of Physics: Conference series 1463, 12035
38	25	HI Elim	Physics of Multitasking Nanomedicine	2017	International Journal of Health Medicine and Current Research 2(3), 509-519
39	23	HI Elim , W Ji, GC Meng, J Ouyang, SH Goh	Nonlinear optics and optical limiting properties of multifunctional fullerol/polymer composite	2003	Journal of Nonlinear Optical Physics &Materials 12(2), 175-186
40	21	HI Elim	Nanomedicine with its multitasking applications: a view for better health	2017	IJHMCR 2, 353-357
41	20	HI Elim	Scientific Breakthrough Based on Natural Creation: "1 Diamond with 7 Eyes"	2018	COJ Reviews and Research 1(1), 1-3
42	19	HI Elim	2, 3, 4, 5, and Arend L. Mapanawang6*, 2018 "The Attractive Differences Of Two Types Of Herbal Medicine From Zingiberaceae Fruit (Golobe Halmahera)"	2018	International Journal of Health Medicine and Current Research 3(1), 826-834
43	19	GX Chen, MH Hong, LS Tan, TC Chong, HI Elim , WZ Chen, W Ji	Optical limiting phenomena of carbon nanoparticles prepared by laser ablation in liquids	2007	Journal of Physics: Conference Series 59(1), 60
44	18	HI Elim , AL Mapanawang, MV Reddy	A creative proposal to improve woman and child health: from the knowledge of physical nanoscience to nanotechnology implementation and products	2019	CPQ Women and Child Health 1(6), 1-11
45	17	KP Abhilash, PC Selvin, B Nalini, R Jose, X Hui, HI Elim , MV Reddy	Correlation study on temperature dependent conductivity and line profile along the LLTO/LFP-C cross section for all solid-state Lithium-ion batteries	2019	Solid State Ionics 341, 115032
46	17	HI Elim	THE FIRST 1000 ATOMS IN HEALING PROCESS: FROM NANOTECHNOLOGY TO NANOMEDICINE	2018	International Journal of Health Medicine and Current Research 3(4), 1044-1046
47	17	GX Chen, MH Hong, Q He, WZ Chen, HI Elim , W Ji, TC Chong	Formation, structure and nonlinear optical properties of carbon nanoparticles synthesized by pulsed laser ablation	2004	Applied Physics A 79(4), 1079-1082
48	16	HI.Elim ; A.L. Mapanawang	Unique Chemical Bonding Behavior of Love Herbal Medicine and Its Ability as a Chemotherapy Drug	2018	Journal of Nanomedicine and Nanotechnology 9(3), 1000503
49	15	HI Elim	Multitasking Herbal Nanomedicine: A Frontier Report	2019	Nanoscale Reports 2(1), 22-30
	15	HI Elim	Theory, Implementation and the nature of truth (TIN) in	2019	Kenkyu Journal of Nanotechnology & Nanoscience 5: 33, 36.

50			nanoscience, nanotechnology, and nanomedicine (nnn): from the beginning of universe to nm scale behavior		
51	15	HI Elim, AL Mapanawang	Electronics physical system of large antioxidant structure in herbal medicine based Zingiberaceae fruit: Understanding and application	2018	Int J Nano Res Appl 1(1), 1-4
52	14	AL Mapanawang, HI Elim	Chemical bonding character of love herbal medicine: a prominent medicine candidate for preventing hiv virus	2018	Nanotechnology &Applications (1)
53	14	HI Elim, R Talapessy, N Sari	Water contaminated CaCO3 and its optical process of aggregation	2016	International Journal of Health Medicine and Current Research 1(1), 102-108.
54	14	AH Yuwono, J Xue, J Wang, HI Elim, W Ji	Transparent TiO2-PMMA nanohybrids of high nanocrystallinity and enhanced nonlinear optical properties	2005	Journal of Nonlinear Optical Physics &Materials 14(2), 281-297
55	13	HI Elim, MVV Reddy, R Jose	A Frontier 2D Nanobattery: “Improving Challenges (Hotumese) and Development”	2019	Science Nature 2(2), 114-121
56	13	HI Elim, LY Chiang	Nanochip medicine: physical chemistry engineering	2019	Science Nature 2(1), 86-89
57	13	HI Elim	The Discovery of new golobe and its amazing healing system	2019	Science Nature 2(1), 66-70
58	11	AL Mapanawang, HI Elim	Pangi leaf (<i>Pangium edule Reinw</i>) herbal medicine: a marvelous candidate for the prominent hiv herbal medicine	2019	Science Nature 2(2), 97-104
59	10	H Izaac Elim, E Kembauw, RH Siahainenia, JSA Lamerkabel, ...	Heavenly small islands simple technology &its cultural economy impacts in Maluku, Indonesia: a new proposed Multitasking Philosophy in Diversity (MPD)	2019	Science Nature 2(4), 192-207
60	9	HI Elim	From Molecular Electronics System (MES) to Advanced Nanotechnology: A Progress of Frontier Development	2020	Nano Progress 2(4), 7-11
61	9	IF Seay, HI Elim	The observation of fast, long term, and stable performance of toxic absorption in herbal blessing product based on galoba maluku (Zingiberaceae Fruits)	2019	Science Nature 2(2), 122-127
62	9	HI Elim	Basic Universe of Molecular Electronics System (MES): Introduction and its Applications in Harvesting Daily Life	2019	Science Nature 2(4), 232-238
63	9	JYL Hendry I. Elim, Wei Ji, Mohan Singh Dhoni, N. Venkatram, Jian Yang	Aspect-ratio Dependence of Optical Nonlinearities on Resonance with Longitudinal Surface Plasmon in Au Nanorods: Unique Character versus Common Behavior	2018	Science Nature 1(1), 1-7
64	8	HI Elim, M Rahman, WS Tutupoho, RR Latuconsina, AA Pattipeilohy	Flexible Thin Battery with Fast and Sensitive Voltage Control by a Simple Mechanical Bending: No Energy without Working	2019	Science Nature 2(3), 157-166
65	8	MJ Saptenno, S Sisinaru, E Ubwarin, WA Siahaya, HI Elim	Customary Law Associated with Five Integrated Aspects in Developing Traditional Coastal and Marine Protections for Improving Social People Life and Natural Products in Aru ...	2019	Science Nature 2(2), 105-113
66	8	A Masrikat, HI Elim	Unique Physical and Chemical Properties of Kian Sand Worm (<i>Siphonosoma ur-pulau</i>) Traditional Medicine: Electrical, Optical and Chemical Response of Edible Powder with Different ...	2019	Biochemistry and Modern Applications 2(1), 51-54
	7	A Masrikat, Y Noya,	Image Processing and Optical-Electricity Property of Traditional	2019	Science Nature 2(3), 148-156

67		HI Elim	Medicine Products from Kian Sand Worm (<i>Siphonosoma ur-pulau</i>)		
68	7	GX Chen, MH Hong HI Elim W. Ji	Time-resolved analysis of nonlinear optical limiting for laser synthesized carbon nanoparticles	2010	Applied Physics A 101(3), 467-470
69	6	HI Elim	Is Your Brain Strong Enough to Solve Hard Problems?: Brain Vitamins as a Simple Example for Multitasking Nanotechnology Scientis	2020	Science Nature 3(1), 244-256
70	6	HI Elim , W Chen, W Ji, Z Zhong, J Lin, GC Meng, KC Chin, A Gohel, ...	OPTICAL LIMITING STUDIES OF NEW CARBON NANOCOMPOSITES AND AMORPHOUS SixNy OR AMORPHOUS SiC COATED MULTI-WALLED CARBON ...	2004	Journal of Nonlinear Optical Physics &Materials 13(2), 275-289
71	6	FP Zen, HI Elim	Lax Pair Formulation and Multi-soliton Solution of the Integrable Vector Nonlinear Schrodinger Equation	1999	arXiv preprint solv-int/9902010
72	6	FP Zen, HI Elim	Multi-soliton Solution of the Integrable Coupled Nonlinear Schrodinger Equation of Manakov Type	1999	arXiv preprint solv-int/9901010
73	5	P Nanlohy, NS Hehanussa, AS Atmadipoera, IW Nurjaya, HI Elim	A unique cyclonic and anti-cyclonic eddies current character in Banda sea	2017	INTERNATIONAL JOURNAL OF HEALTH MEDICINE AND CURRENT RESEARCH- IJHMCR 2 (4 ...
74	5	FP Zen, HI Elim	Soliton solution of the integrable coupled nonlinear Schrodinger equation of Manakov type	1998	arXiv preprint hep-th/9812215
75	4	AL Mapanawang, HI Elim	Chemical bonding characters of love herbal medicine	2018	J. Nanomed. & Nanotech 9, 63
76	4	HI Elim , Ronaldo Talapessy, Rafael Martinus Osok, Sawia, and Eliyas Andreas	From Rubbish to a Large Scale Industry: A Simple Fabrication of Superfiber with Multitasking Applications	2015	Journal of Environmental Science and Engineering B 4, 620-623
77	3	HI Elim	Large nonlinear absorption in single aggregate of silver nanoparticles observed with z-scan imaging technique	2021	AIP Advances 11(11), 115015
78	3	H.I. Elim , P. Nanlohy, Nasrin Silawane, IWNASA,...	Sound Velocity Properties due to Salinity, Temperature and Depth of The Whole Banda Sea: A Marvelous Thing of The ~318 Meter Surface of Deep Sea	2018	Advances in Theoretical and Computational Physics 1(1), 1-5
79	3	HI Elim , P Nanlohy, R Lalita, N Sahartira, H Silawane, AS Atmadipoera	Typical Character in the South of Banda Sea Based on Thickness and Variability in the Upper Limit Thermocline Area and Its Relationship with Sound Velocity	2017	INTERNATIONAL JOURNAL OF HEALTH MEDICINE AND CURRENT RESEARCH- IJHMCR 2 (4 ...
80	2	MRA Kumar, HI Elim , MS Idris, AH Yuwono, B Yuliarto, PTD Rompas, ...	Hydro thermal synthesis and electrochemical characterization of (V1/2Sb1/2Sn) O4and (Fe1/2Sb1/2Sn) O4as energy storage materials	2021	6th International Conference on Basic Sciences 2020, ICBS, 50001 . American Institute of Physics Conference Series 2360(1), 50001
81	2	H.I. Elim , Nur Arafah Mahubessy, Hanoch J. Sohilait	Unique Physical Behavior with Two Main Integrated Types of Chemical Substances of Herbal Medicine based Insulin Leaf (<i>Tithonia diversifolia</i> (Hemsley) A. Gray (Asteraceae)): A ...	2021	Science Nature 4(1), 304-317
	2	B Vidyadharan, B Pal,	Multifunctional nanowires and hierarchical 3D nanostructures of	2020	Journal of Physics: Conference Series 1463(1), 12036

82		II Misnon, HI Elim , R Jose	material composites for energy storage		
83	2	HI Elim	Simple Technology to Develop Marine Wastes: From a Prototype to a Large Scale Industry	2015	International Proceeding of 1st International Conference on Applied Marine ...
84	2	HI Elim , W Ji, T Lu, MT Ng, JJ Vittal	Large nonlinear optical properties of ternary quantum dots and nanorods	2007	Nanophotonic Materials IV 6639, 7-18
85	1	HI Elim	Physical Healing System of Herbal Medicine based Galoba fruits (<i>Zingiberaceae</i> sp.): A Feeling Side of “1 Medicine with 7 Spirits”	2021	AIP Conf. Proc. 2360 (2021-09-03), 181-187
86	1	HI Elim	Advancing Frontier Nanophysics in Time of Analytical Chemistry: Who to educate first?	2020	Science Nature 3(3), 275-281
87	1	YP Iswahyudi, HI Elim	Stamec-Gravitism: A Simple Theoretical Study to Inspire a Prototype Fabrication for Mobile Perpetual Electricity Generator	2020	Science Nature 3(2), 257-274
88	1	B Cai, O Sugihara, HI Elim , T Adschari, T Kaino	An approach of high refractive index and highly transparent polymer nanocomposite fabrication	2011	17th Microopics Conference (MOC), 1-2.
89	1	HI Elim , B Cai, O Sugihara, T Kaino, T Adschari	Size-and concentration-dependent of Rayleigh scattering properties of titanium dioxide nanohybrid polymer	2010	Linear and Nonlinear Optics of Organic Materials X 7774, 65-73
90	1	H Yu, WH Zhang, ZG Ren, JX Chen, CL Wang, JP Lang, HI Elim , W Ji	Formation of new organometallic W/Cu/S clusters from reactions of $\{(\eta_5\text{-C}_5\text{Me}_5)\text{WS}_3\} 3\text{Cu}_7$ (MeCN) 9(PF_6) 4 with donor ligands. Crystal structures and optical limiting properties ...	2005	Journal of organometallic chemistry 690(17), 4027-4035
91	1	HI Elim , J Ouyang, SH Goh, W Ji	Nonlinear optical performances of supramolecular 1-(4-Methyl)-piperazinylfullerene [60]-containing polysiloxane	2003	arXiv preprint cond-mat/302463
92	1	HI Elim	New Integrable Coupled Nonlinear Schrodinger Equations	1999	arXiv preprint solv-int/9907007
93	0	RR Latuconsina, BDP Raju, HI Elim	Fabrication and characterization of voltage control in thin flexible battery (TFB) using merbau iron wood (<i>Instia</i> sp.) waste material	2023	AIP Conference Proceedings 2642(1), 40002
94	0	MM Nikijuluw, T Papasoka, HI Elim , P Nanlohy	BELAJAR SAMBIL BERMAIN KOSA KATA BAHASA INGRIS PADA SISWA SEKOLAH DASAR: EVALUASI MOTIVASI DAN PENGETAHUAN	2022	J-Gefüge (German für Gesellschaft) 1(1), 9-18
95	0	HI Elim	Mapping World Language: is Proto-Indo-European the First one?	2021	Pattimura Excellence Journal of Language and Culture 1(2), 42-47
96	0	HI Elim	Integrated 8 Wisdom Compounds Interaction in Multitasking Healing System: Confinement Energy in 4D Frequency Interconnection	2021	Science Nature 4(1), 326-337
97	0	HI Elim	Refractive Index Border Associated with Nonlinear Optical Properties in Superhybrid Transparent TiO ₂ Nanoparticles-Polymer: Great Potential for Ultrafast Optical Waveguide in ...	2020	Science Nature 3(4), 282-289
98	0	HI Elim , B Cai, O Sugihara, T Kaino, T Adschari	A Novel Simple Technique to Study Mie Scattering Imaging with Photon Counts: Introduction and Its Applications	2019	JAMFAS
	0	S SAMANERY , HI Elim	ANALISIS ENERGI LISTRIK DC SISTEM IEM-FC (Inorganic Electrolyte Membrane Fuel Cell) DENGAN SUMBER ENERGI	2019	JAMFAS

99			AIR SUNGAI ERANG SERAM BARAT DAN AIR ALPHA SPIN: <i>â€¢PENDAHULUAN DARI ...</i>		
100	0	HI Elim, AL Mapanawang, and MV Reddy	A Creative Proposal to Improve Woman and Child Health: from the Knowledge of Physical Nanoscience to Nanotechnology Implementation and Products	2019	CPQ Women and Child Health, 1 (6),
101	0	A Masrikat, HI Elim	Unique Physical and Chemical Properties of Kian Sand Worm (<i>Siphonosoma ur-pulau</i>) Traditional Medicine: Electrical, Optical and Chemical Response of Edible Powder with Different Sizes	2019	Biochemistry and Modern Applications DOI: 10.33805/2638-7735.123
102	0	HI Elim	Mini Report ISSN: 2455-183X Theory, Implementation and the Nature of Truth (TIN) in Nanoscience, Nanotechnology, and Nanomedicine (NNN): From the Beginning of Universe to nm ...	2019	
103	0	HI Elim	Metode Fisika Eksperimen: Pelengkap Teori Fisika	2019	Pattimura University Press, ISBN: 978-602-5943-5-8
104	0	JL Natasian, HI Elim	SIMPLE VISUALIZATION THEORY FOR INVESTIGATING THE MECHANICAL BEHAVIOR OF A NOVEL FIBER	2017	Pattimura Proceeding: Conference of Science and Technology, pp. 101-106
105	0	Elim (Elim Heaven) Hendry Izaac. R Talapessy, NABR Sari	WATER CONTAMINATED CaCO ₃ AND ITS OPTICAL PROCESS OF AGGREGATION	2016	INTERNATIONAL JOURNAL OF HEALTH MEDICINE AND CURRENT RESEARCH- IJHMCR 1 (1 ...
106	0	O Sugihara, B Cai, HI Elim , T Adschiri, T Kaino	Preparation of Photo-Cured Organic-Inorganic Hybrid Materials with High Refractive Index	2013	IEICE Technical Report; IEICE Tech. Rep. 113(18), 61-64
107	0	HI Elim , B Cai, O Sugihara, T Kaino, T Adschiri	Simple tecnique for studying Mie scattering behavior of nanohybrid polymer material	2011	17th Microopics Conference (MOC), 1-2
108	0	B Cai, O Sugihara, HI Elim , T Kaino, T Adschiri	Fabrication of high refractive index polymer nano-hybrid composite film	2011	IEICE Technical Report; IEICE Tech. Rep. 110(463), 5-9
109	0	O Sugihara, B Cai, HI Elim , T Kaino, K Komatsu	Preparation of Nanoparticle-Doped Hybrid Polymers and Photonic Applications	2010	IEICE Technical Report; IEICE Tech. Rep. 109 (468), 17-22
110	0	HI Elim , B Cai, O Sugihara, T Kaino, T Adschiri	Rayleigh scattering study of titanium dioxide nanohybrid polymer	2010	IEICE Technical Report; IEICE Tech. Rep. 109 (468), 1-5
111	0	HI Elim , W Ji, L Tian, M Ng, JJ Vittal	Large nonlinear optical properties of ternary quantum dots and nanorods [6639-02]	2007	PROCEEDINGS-SPIE THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING 6639
112	0	W Ji, HI Elim	Multi-walled carbon nanotubes for all-optical switching	2006	Optoelectronic Materials and Devices 6352, 463-470
113	0	AH Yuwono, JM Xue, J Wang, HI Elim , W Ji, YY Li, TJ White	Nonlinear optical behavior of transparent nanohybrids of nanocrystalline TiO ₂ in poly (methyl methacrylate) prepared by <i>in situ</i> sol-gel polymerization technique	2005	Journal of Metastable and Nanocrystalline Materials 23, 367-370
	0	GX Chen, MH Hong, ZB Wang, HI Elim , WZ Chen, HM Lam,	Solvent effect and wavelength effect of laser-synthesized carbon nanoparticle colloids on optical limiting	2004	Fifth International Symposium on Laser Precision Microfabrication 5662, 71-76

114		W Ji, ...			
115	0	W Ji, HI Elim , AH Yuwono, JM Xue, J Wang	Polymer-TiO _x /sub 2/hybrid nanocomposites for all-optical switching	2003	CLEO/Pacific Rim 2003. The 5th Pacific Rim Conference on Lasers and Electro ...
116	0	HI Elim , FP Zen	Analysis of Hamiltonian Dynamics of Dispersion-Managed Coupled Breathers in Optical Transmission System	2001	arXiv preprint nlin/106009
117	0	HI Elim	Exact Solution of the Energy Shift in each Quantum Mechanical Energy Levels in a One Dimensional Symmetrical Linear Harmonic Oscillator	1999	arXiv preprint quant-ph/9901009
118	0	HI Elim , BDP Raju	A Propose Model of Integrated Interaction among Organic Molecules in 4D Frequency Interconnection System: a Universe Control Prototype (UCP)	2023	AIP Conf. Proc. (2023). In Press
119	0	HI Elim	Observation of Self-Diffraction in Fullerene and Carbon Nanotubes: Different Structures, Different Nonlinear Optical Behaviors	2022	Beta Fisika. (Accepted)
120	0	HI Elim	SKEMA ZAKHAROV-SHABAT PERSAMAAN-PERSAMAAN DIFERENSIAL SCHRODINGER NON-LINTER	1999	Tesis S2 (ITB)
121	0	HI Elim	(Lab. N4PN), Department of Physics, Faculty of Mathematics and Natural Sciences (FMIPA), and Nanotechnology Research Center and Innovative Creation (PPNRI-LEMLIT), Pattimura ...	2015	Gen 1, 26-27,
122	0	H.I. Elim, Z. Sariwon, E Ferdinandus, NK Latukau, JL Natasian, M Lilipaly, S Tohatu, <i>et al.</i>	SIMPLE TECHNOLOGY TO DEVELOP MARINE WASTES: FROM A PROTOTYPE TO A LARGE SCALE INDUSTRY	2015	Proceedings of The 1st "International Conference On Applied Marine Science, 40.

MENULIS BUKU

- BUKU REFERENSI Pengembangan ILMU FISIKA NANOSAINS dan NANOTEKNOLOGI serta NANOMEDIS yang dikembangkan sesuai dengan pengalaman riset dan mengajar FISIKA EKSPERIMENT maupun membimbing SKRIPSI mahasiswa FISIKA, FMIPA, Universitas Pattimura, Penerbit Pattimura University Press, Tahun 2019. Sedangkan buku lainnya dari hasil workshop mahasiswa penerima beasiswa Bidik Misi tahun 2021.

No	Jumlah Citation	Authors	Judul paper	Tahun published	Nama Penerbit/ ISBN
1	26	HI Elim	Nonlinear Optics and The Frontier of Nanoscience and Nanotechnology	2018	Research Text Book, Pattimura University Press, ISBN: 978-602-61906-9-7
2	17	HI Elim	METODE FISIKA EKSPERIMENT: PELENGKAP TEORI FISIKA: "To be Perfect like The 1 Who Created Our Incredible Universe"	2019	Buku ajar, Penerbit: Pattimura University Press
3	4	HI Elim	Panduan Skripsi Sarjana Sains (S.Si)	2018	ISBN: 978-602-61906-8
	0	Jusuf Madubun,	Fenomena Sains & Sosial Humaniora di Era Industri 4.0:	2021	Publisher: Manggu,Makmur Tanjung

4		Mariana Lewir, H.I. Elim (Editors)	Percikan Pemikiran Mahasiswa Universitas Pattimura		Lestari ISBN: 9786236003107 (Book)
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➤ Menulis **Chapter Book:**

No	Jumlah Citation	Authors	Judul paper	Tahun published	Nama Penerbit/ ISBN
1	0	HI Elim, MV Reddy, M Rahman, RR Latuconsina, AA Pattipeilohy	Encyclopedia of Green Materials. Springer Nature. Perpetual Voltage Control with Flexible Thin Battery from Green Garbage Materials • Perpetual Voltage Control with Flexible Thin Battery from Green Garbage Materials SpringerLink P Perpetual Voltage Control with Flexible Thin Battery from Green Garbage Materials	2022	Text Book (our work is a chapter of it: DOI: 10.1007/978-981-16-4921-9_255-1
2	0	HI Elim	Smart Innovative Technology for the NOVEL Superfibers Development of Ocean Wastes, Memuliakan Laut, Pattimura University Press, pp.250-263 (2017)	2017	Buah Pikiran Akademisi Universitas Pattimura, Publisher: Pattimura University Press Memuliakan Laut
3	0	Alfonsina Marthina Tapotubun, Friesland Tuapelte, Agustina Soumokil, Hendry I Elim, Melianus Salakory, Putri Reno Intan, Febby J Polnaya, Natelda R Timisela, Ilyas Marzuki, Maria Nindatu, Gun Mardiatmoko	MALUKU MASA DEPAN: Bunga Rampai Pemikiran Para Akademisi Maluku Incredible Future of Maluku Province with Herbal Medicines (H.I. Elim)	2021	Publisher: Adab ISBN: 9786236872925 Halaman 79-97.

F. PENGABDIAN KEPADA MASYARAKAT

Beberapa seleksi dari berbagai pengabdian kepada masyarakat:

1. Nara sumber, pada pembelajaran ilmu mipa secara kreatif dan inovatif di sma negeri 5 kota Ambon; Tahun 2021/2022.
2. Nara sumber, pada sosialisasi mitigasi kebencanaan di daerah kepulauan, Tahun 2021/2022.
3. Nara sumber, pada pembelajaran pintar terintegrasi dengan sharing pendidikan yang berbasis multitasking untuk memahami fisika lebih baik di alam semesta dengan alat-alat peraga yang sedehana tetapi smart pada 10 siswa pilihan di sma negeri 6, Ambon, Tahun 2020/2021.

4. Nara sumber, pada pembelajaran pintar terintegrasi dengan sharing pendidikan yang berbasis multitasking untuk memahami fisika lebih baik di alam semesta dengan alat-alat peraga yang sedehana tetapi smart pada sma negeri 12, Ambon, Tahun 2020/2021.

G. KONFERENSI/SEMINAR/WORKSHOP/SIMPOSIUM

1.	I-LAB, Inspirator-Inventor&Innovator, 13-11-2020 to welcome the 12 physics freshmen, Daring Seminar. DOI: 10.13140/RG.2.2.26288.38405 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
2.	The Journey of Scientific Writing Improvement for High Quality Journals, International EXPO 2020 on Languange, Culture and Education. DOI: 10.13140/RG.2.2.31337.11368 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
3.	Multitasking Herbal Medicine versus 1 Target Medicine: Love or Blessing in NEW NORMAL Condition, International Webinar Of Mathematics, Natural Sciences, And Learning In The New Normal Order (IWMANSELEN) 2020 held on 15th October 2020 at Manado state Univ. (UNIMA) . DOI: 10.13140/RG.2.2.29207.19367 . Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
4.	Mapping ENERGY using Multitasking PHYSICS, INTERNATIONAL Webinar between Germany and Indonesia. DOI: 10.13140/RG.2.2.25851.75049 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
5.	EtHics in Review Articles and Proof Readers, National Webinar from Language Center of Pattimura Univ. DOI: 10.13140/RG.2.2.12680.03844 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
6.	A high quality research output starting from a good scientist, and then his own laboratories up to the integrated research center (i-LAB), The 1st National Webinar from Pattimura univ. DOI: 10.13140/RG.2.2.32812.69762 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
7.	Multitasking Physics Contributions between Indonesia Society 5.0 and Inductry 5.0. ISBN : 978-602-52468-7-6 pp. 1-7 from 283 pages of Proceeding book from Hasnuddin university, Makasar, Indonesia. Proceeding of Seminar Nasional Fisika 2019 , ISBN : 978-602-52468-7-6 with 283 pages Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
8.	Modest Physical Method to Explain the Interplay among Molecules and/or Nanostructures with Multitasking Healing System based on Local Wisdom, September 2022 DOI: 10.13140/RG.2.2.26459.03368 Conference: The 8th International Conference on Basic Sciences Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
9.	Memanfaatkan Sampah untuk Multitasking Sains dan Teknologi (Employing Garbage to be Multitasking Science & Technology Research Products), April 2022 DOI: 10.13140/RG.2.2.13341.59361 Conference: webinar Bimbingan Teknisi dari yayasan YPPK Dr Sitanala, 1 April 2022 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
10.	"How to Prepare Your Research & Publications", Assoc.Prof. Elim, My File sharing-1-FKIP-UNPATTI, 30-9-2021, September 2021 DOI: 10.13140/RG.2.2.27433.31841 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)
11.	A Review of Eternal Energy based Gravity Versus Renewable Energy: Theory & Prototype

	<p>Design for Sustaining Nanotechnology Energy Supply, July 2021 DOI:10.13140/RG.2.2.15913.31841</p> <p>Conference: The 4th African International Conference on Nanotechnology and Its Application, 2021. Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)</p>
12.	<p>Simple Mathematical Physics for World 1 st Nanochip of C 60 (Fullerene), March 2021 DOI:10.13140/RG.2.2.20255.28327</p> <p>Webinar dari Indonesia Theoretical Physics Group (GFTI) powered by LIPI, Jakarta Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)</p>
13.	<p>Frontier Nonlinear Optics for Photonics Breakthrough: Eternal Power vs. Renewable Energy,</p>  <p>March 2021. OUTLINE OF INVITED TALK</p> <ul style="list-style-type: none"> International conference (Virtual) on Optoelectronics and Advanced Materials on March 26th to 27th, 2021 (ICOAM - 2021), Department of Physics ,Sri Venkateswara University- Tirupati , India- 517502 <p>DOI:10.13140/RG.2.2.11866.67524 Source: H.I. Elim, Ph.D (Assoc.Prof. in PHYSICS)</p>
14.	<p>As Invited Speaker in Las Vegas (2018) 23rd International Conference on Nanomaterials science & Nanoengineering & Technology on April 18-19, 2018 las Vegas Nevada USA</p> 
15.	<p>As Invited Speaker in New York (2019) in International Conference on Pharmaceutical Nanotechnology and</p>

Nanomedicine on 20th to 21st March 2019 held in Hilton JFK airport Hotel.

References (recorded videos): [Q & A of H.I. Elim, PH.D 1st invited talk in New York, on 20th March 2019 - Bing video](#); [Part of Dr Elim invited talk at PharmaNano, NY on 20 to 21st March 2019 - Bing video](#)

➤ ***Invited Guest Lectures:***

1. **Nordhausen University and Applied Sciences, Germany (2017).** URL (recorded video): [Plenary Talks - Elim Laboratory \(EL\) \(website2.me\)](#); [My 1st Quest Lecture in Germany at Nordhausen university of Applied Sciences - YouTube](#)
2. Universitas Pelita Harapan, Tangerang, Indonesia (2011)
3. **Universitas Indonesia (2018).** URL: [Kuliah Tamu Dr. Hendri Izaac Elim Photonics Nanotechnology Laboratory, Physics Department – FMIPA Univ.Pattimura – Departemen Metalurgi dan Material \(ui.ac.id\)](#)
4. Universitas Negeri Manado (2016, 2019), URL: [Berita Kawanua - Kuliah Umum Jurusan Fisika Unima Hadirkan Pembicara dari National University Of Singapura](#)
5. Universitas Sam Ratulangi (2016).

H. PENGHARGAAN

1. Penghargaan **PENELITI TERBAIK INDONESIA** asal Universitas Pattimura **Tahun 2017**. Tercatat: **13 November 2017, SK REKTOR UNPATTI, No. 1157/ UN13/SK/2017;**
2. Penghargaan **Satyalencana Karyasatya XX Tahun** dari **Presiden Republik Indonesia**, Tahun 2017.
3. **Selected achievements, URL:** [\(PDF\) Assoc.Prof. H.I. Elim, Ph.D-International Achievement DATA \(researchgate.net\)](#).

I. ANGGOTA KEILMUAN

1. In 2017, Dr. Elim has been elected as *a regular member* of *American Association for the Advancement of Science* (AAAS): #41737449.
2. In February 2018, Dr. Elim has been *a regular member* of *American Chemical Society* (ACS): #31447106.
3. In 2019, Dr Elim has been a member of MRS Indonesia.
4. Sejak 2016, Anggota regular dari Grup Fisikawan Teoretik Indonesia (GFTI).
URL: [GFTI - Grup Fisikawan Teoritik Indonesia - komunitas peneliti fisika teoritik Indonesia \(lipi.go.id\)](#)
5. Member of American Nano Society, URL: [Public Profile of Member hendry elim | American Nano Society](#)

J. PIMPINAN JURNAL INTERNASIONAL DAN INTERNATIONAL CONFERENCE

1. Editor-in-Chief of **SCIENCE NATURE (2018-present)**, URL: [About the Journal | SCIENCE NATURE \(unpatti.ac.id\)](#)
2. Editor-in-Chief of **Pattimura Excellence Journal of Language and Culture (2022-present)**, URL: [Editorial Team | Pattimura Excellence Journal of Language and Culture \(unpatti.ac.id\)](#)
3. ICFP-IMAS 2017: **1st International Conference in Frontier Physics and Its Multitasking Applications on 14th November to 16th November 2017**, URL: [CFP \(easychair.org\)](#)
4. **The 5th International Seminar on Language and Interdisciplinary Research on 13rd October to 14th October 2022**, URL: [As Conference Organizer - profhendryelim.website2.me](#)

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