



ISSN 2829-3355 (Print)  
ISSN 2828-8467 (Online)

Proceeding International Conference on  
Religion, Science and Education

# Proceeding International Conference on Religion, Science and Education

*Volume 2, April 2023*

Universitas Islam Negeri Sunan Kalijaga Yogyakarta, Indonesia  
— December 20, 2022 —

Editors: Prof. Martha C. Beck, Ph.D.  
Assoc. Prof. Jenny Ritchie.  
Avash Kumar Saha, M.Tech., M.D..  
Prof. Dr. M. Amin Abdullah.  
Dr. Istiningsih, M.Pd.

ICRSE 2022 organized & supported by:



SUNANKALIJAGA.ORG BIOLOGY, MEDICINE, &  
NATURAL PRODUCT CHEMISTRY

Publisher: Universitas Islam Negeri Sunan Kalijaga  
Co-Publisher: Society for Indonesian Biodiversity Chapter Yogyakarta

Volume 2  
April 2023



[sunankalijaga.org/prosiding](http://sunankalijaga.org/prosiding)



# **Proceeding International Conference on Religion, Science and Education**

**Volume 2 | April 2023 | ISSN 2829-3355 | EISSN 2828-8467**



SUNANKALIJAGA.ORG

---

**Title:** Proceeding International Conference on Religion, Science and Education.

**ISSN:** 2829-3355 (print), 2828-8467 (online).

**Volume 2,** April 2023

**Publisher:** Universitas Islam Negeri Sunan Kalijaga.

**Co-Publisher:** Society for Indonesian Biodiversity Chapter Yogyakarta.

**Editorial Office:** Faculty of Tarbiyah & Education Universitas Islam Negeri (UIN) Sunan Kalijaga, Jl. Marsda Adisucipto 1 Yogyakarta 55281, Indonesia.

**Email:** [icrse@sunankalijaga.org](mailto:icrse@sunankalijaga.org)

**Available Online** at <http://sunankalijaga.org/prosiding/index.php/icrse>

**Organizing & supporting:** Faculty of Tarbiyah & Education UIN Sunan Kalijaga, Southeast Asian Consortium for Islamic Education, International Office Faculty Tarbiyah and Teacher Training, [SunanKalijaga.org](http://SunanKalijaga.org), *Biology, Medicine, & Natural Procu*  
*Chemistry.*

**Font type:** Palatino Linotype font family on A4 format paper.

**Licensing:** Creative Commons Attribution 4.0 International (CC BY 4.0).

---

# Proceeding International Conference on Religion, Science and Education

Volume 2 | April 2023 | ISSN 2829-3355 | EISSN 2828-8467

## *Editorial & Committee*

### **Editors**

---

Prof. Martha C. Beck, Ph.D; *Arkansas, USA.*

Assoc. Prof. Jenny Ritchie; *Victoria University of Wellington, New Zealand.*

Avash Kumar Saha, M.Tech., M.D.; *National Institute of Technology Durgapur, India.*

Prof. Dr. M. Amin Abdullah; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Istiningsih, M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

### **Keynote Speaker**

---

Prof. Martha C. Beck, Ph.D; *Arkansas, USA.*

Assoc. Prof. Jenny Ritchie; *Victoria University of Wellington, New Zealand.*

Avash Kumar Saha, M.Tech., M.D.; *National Institute of Technology Durgapur, India.*

### **Steering Committee**

---

Prof. Dr.Phil. Al Makin, S.Ag., M.A.; *Rector of UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Prof. Dr. Hj. Sri Sumarni, M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Prof. Dr. Abdul Munip, S.Ag., M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. H. Zainal Arifin Ahmad, M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Imam Machali, S.Pd.I., M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

### **Organizing Committee**

---

Dr. Muhammad Ja'far Luthfi, M.Si. | Hj. Ratna Eryani, S.Ag. | Arifah Fauziah, S.S., M.Ed | Dedi Nurjadi, S.E. | Suharyanta, S.E. | Agus Suroso, S.E. | Jamil Suprihatiningrum, M.Pd.Si., Ph.D. | Riyanto, S.Si. | Tanti Agustina S.Pd. | Win Indra Gunawan, S.Si. | Sutriyono S.Si. | Dr. Sugiyanto, S.Si., M.Si. | Mohammad Farhan Qudratullah, S.Si., M.Si.

### **Scientific Committee**

---

Dr. Istiningsih, M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. H. Tulus Musthofa, Lc.MA.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Sabarudin, M.Si.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Nurhadi, S.Ag. MA.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Andi Prastowo, S.Pd. I., M.Pd.I.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Ibrahim, M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Widodo, S. Pd., M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Muqowim, S. Ag., M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. H. Sukiman, M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Hj. R Umi Baroroh, S.Ag, M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Karwadi, MAg.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Siti Fatonah, S.Pd., M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. H. Suyadi, S.Ag., M.A.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Ja'far Shodiq M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Mahmud Arif, M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Zainal Arifin, S.Pd.I, M.S.I.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Maimunah, M.Ag.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Sigit Purnama, S.Pd.I., M.Pd.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Nurhadi, S.Ag, MA.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Dr. Eva Latifah, M.Si; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Khamidinal, S. Si., M.Si.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Agus Kamaludin, M.Pd.Si.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Drs. Nur Untoro, M.Si.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

**Layout, Design Cover & Prosiding and Webmaster** \_\_\_\_\_

Riyanto, S.Si.; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

Thifal Khansa Nabila; *UIN Sunan Kalijaga Yogyakarta, Indonesia.*

# Proceeding International Conference on Religion, Science and Education

Volume 2 | April 2023 | ISSN 2829-3355 | EISSN 2828-8467

## *Welcome Speech*

Dean of the Faculty of Tarbiyah and Education \_\_\_\_\_

*Assalamualaikum Warahmatullahi Wabarakatuh.*

Distinguish guests, speakers, participants, ladies and gentlemen, Good morning!

Today, we hold the 2nd International Conference on Religion, Science and Education organized by Faculty of Tarbiyah & Education UIN Sunan Kalijaga. Here, please allow me to express my sincere welcome on to all the experts and participant that have participated in this conference.

Ladies and Gentlemen, religion, science and education are the very basic fundamental things related to the development of humankind. Surveys on human civilization show that the betterment of humankind is rooted in those three foundations. It is believed that the educational institutions have significant roles to encourage the integration and interconnection between all three areas which lately have been somehow separated.

I would like to thank Prof. Martha C. Beck, Pd.D., Assoc. Prof. Jenny Ritchie, and Avash Kumar Saha, M.Tech., M.D. as speakers in plenary session. I also gratefully thank to the officials at UIN Sunan Kalijaga Yogyakarta and to all of the organizing and scientific committee and participants that contribute to this conference. Despite our best effort, it is inevitable that there is a lack in organizing this conference and I profoundly apologize to all speakers, participants, and committee members.

Finally, I wish the conference a complete success, and wish all the participants a good time during conference.

Thank you.

*Wassalamualaikum Warahmatullahi Wabarakatuh.*

**Prof. Dr. Hj. Sri Sumarni, M.Pd.**

Dean of the Faculty of Tarbiyah and Education, UIN Sunan Kalijaga Yogyakarta.

## **The Chairpersons of the Committee**

---

*Assalamualaikum Warahmatullahi Wabarakatuh.*

Dear guests, speakers, and participants.

We are honored to be among you today in this very important event. It is our great pleasure to welcome you at the International Conference on Religion, Science and Education held by Faculty of Tarbiyah & Education UIN Sunan Kalijaga.

This conference is attended by 117 participants from many regions in Indonesia and other country. Among them 85 papers will be presented. This conference would be an excellent forum for cross-disciplinary discussions, discourse and sharing in religious, scientific and educational realms. The three fields do not usually quite interconnected and even seem to be sometimes contradictory instead.

We would like to thank especially to all speakers and moderators in the plenary session. We owe special thanks to all committee members, participants and also to who appreciated the importance of this event and who kindly provided the facility for us to hold this conference.

On behalf of Organizing committee, we would like to extend our apologies to everyone if we have committed any inconvenience to all of you during this conference. Finally, we wish you a fruitful and pleasant work in the conference.

Thank you very much indeed.

*Wassalamualaikum Warahmatullahi Wabarakatuh.*

**Dr. Muhammad Ja'far Luthfi, M.Si.**

Chairpersons of the Committee

# Proceeding International Conference on Religion, Science and Education

Volume 2 | April 2023 | ISSN 2829-3355 | EISSN 2828-8467

## Table of Contents

Editorial & Committee .....	iii
Welcome Speech .....	v
Table of Contents .....	vii
Abstract from Keynote Speech .....	xix

---

<b>Mathematics Learning through Islamic Environmental Ethics: What is the Form?</b> Luluk Mauluah	1-6
<b>Prediction of Central Asia Bank's Stock Price using Support Vector Regression Method</b> Dide Guna Jayaswara, Isnandar Slamet, Yuliana Susanti	7-12
<b>The Earth Formation Process Analysis According to Science and Quran</b> Sri Amanda Rizky, Winarti	13-16
<b>Perceptions and Responses of Prospective Biology Teachers on The Use of Virtual Laboratories in Learning Plant Tissue Biology Material</b> Habibatul Unayah, M.Rasyid Nur Khilafah, Ngade Wantara	17-20
<b>Electronic Atlas Morphological and Anatomical Structure of Little Egret's Cervical Bones as A Biology Learning Media</b> Wahyu Priyambodo, Sulistiyawati	21-23
<b>The Analyze of Ethnoscience "Sanggring Gumeno" on Islamic and Science Learning Materials</b> Feby Permata Sari, Mirsya Adelia, Shofia Maghfiroh	25-29
<b>Mapping Science Learning Materials Integrated Ethnoscience "Jamu Madura" for Middle Schools/MTs</b> Mirsya Adelia, Asri Widowati	31-36
<b>Development of E-Module Biology Based on Modified Free Inquiry on Invertebrate Materials as Independent Teaching Material</b> Khoirun Najah, Runtut Parih Utami	37-41
<b>Development of Science Literacy-Based Physics Magazine on Vibration and Wave Material for Class VIII SMP/Mts</b> Sovia Mas Ayu, Asmara Dewi, Isma Oktaviani	43-56
<b>Islamic and Science Study of Jombang "Kenduren" Culture in Learning Materials</b> Shofia Maghfiroh, Feby Permata Sari, Mirsya Adelia	57-61
<b>Making Chemical Practicum Kit for Polimedia Students</b> Juwairiah	63-70

<b>Development of Learning Tools Based on a Realistic Mathematics Approach with the Karo Cultural Context to Improve Student's Mathematical Connection Ability in Class XII</b> Atania Christianti Br Ginting, Nur Indah Simamora	71-76
<b>Portrait of a Chemistry Teacher's Efforts in Creating an Inclusive Classroom</b> Fauzan Abrori, Jamil Suprihatiningrum	77-86
<b>The Effectiveness of Mathematics Learning in Limited Face-to-Face at SMP Negeri 1 Palopo</b> Sitti Zahirah Nurdin, Dwi Risky Arifanti, Sumardin Raupu	87-90
<b>Algebraic Reasoning Student's of Islamic Junior High School Sabilurrosyad Malang in Solving Mathematical Problem's Based on Mathematical Ability</b> Ulfa Masamah, Nurul Ilmi Badrun Dujjah	91-97
<b>The Effect of Using Sway Media on Interest and Learning Outcomes Learners in the Learning of History Of Islam at MTs Arifah Gowa</b> Ahmad Suryadi	99-104
<b>The Effectiveness of Using Conceptual Instruction (ICI) Approach Toward The Concept Mastery Based on Classroom Activity and Learning Style</b> Dewi Astuti	105-116
<b>University Students' Coping Strategies in Blended Learning after The Pandemic COVID 19</b> Erina Rahmajati, Hurul Aini Fatimah, Ahmad Zawawi, Fatehun Ni'am	117-123
<b>Analysis of Independent Learning Policies Episode 17 (Revitalization Language Area)</b> Ferika Aulia Marwadi	125-133
<b>The use of Social Media to enhance Self-directed Learning (SDL) in English</b> Nurianti Sitorus	135-138
<b>The Unity of Science Paradigm for Suistainable Education in The Disruption Era</b> Dwi Wulan Sari	139-143
<b>Discovering The Past: Opportunities and Challenges Using Internet-Based Learning Resources for The History of Islamic Civilization Studies</b> Muhammad Nabil Fahmi, Dwi Ratnasari	145-150
<b>Reconstruction of Moral Education Based on Sustainable Religious Education in The Perspective of Education in The 21st Century</b> Suyahman	151-159
<b>Implementation of Toriduino (Toricelli Berbasis Arduino) as a Physics Learning Media in XI IPA SMA Negeri 15 Bandung</b> Andi Fauziah, Dilmatin Nuraeni, Widia Linta Nurjanah, Dadi Rusdiana	161-166
<b>Example Non Example Learning Model to Improve 21st Century Skills in Students</b> Naily Fatkhiyati	167-172
<b>Application of Assessment in Online Islamic Education Subjects</b> Dina Aulia Mildasari, Nur Ali, Mokhammad Yahya	173-184

<b>Modernization Of Islamic Religious Education In The 21st Century Through The Merdeka Curriculum</b> Edo Alvizar Dayusman	185-193
<b>The Obstacles Encountered In Implementing Group Guidance At Vocational High School (SMK) Nadhatul 'Ulama (NU) Banat Kudus</b> Shoma Noor Firda Inayah, Fifi Nofiaturrahmah, Sulthon	195-201
<b>Hybrid Lectures with Problem-Based Learning to Improve Learning Outcomes</b> Dwi Nurma Heitasari, Bambang Sugito, Ika Gita Lestari	203-209
<b>Science-Islam Integration: Reconstruction of Student Paradigm Towards Islamic Civilization in Society 5.0 Era</b> Taufik Hidayat	211-213
<b>The Implementation of Biplot and Cluster Analysis to Construct Sustainable Education Policies Toward Technology Literate Society in Indonesia</b> Pressylia Aluisina Putri Widyangga	215-223
<b>The Essence of "Merdeka Belajar" as a Transformational Culture Change in Indonesian Education</b> Zulfatun Ni'mah, Ari Susanto	225-230
<b>The Role of Taman Pendidikan Al-Qur'an in Instilling the Students' Principles of the Importance of Seek Islamic Education at Pondok Pesantren</b> Alfi Hulwatun Nasichah	231-237
<b>Analysis of Character Educational Values in the Main Characters of the Lion King's Movie</b> Roihani Faiziyah, Muhammad Zikri, Tirta Rhamadanty, Zulkifli Lessy	239-247
<b>Analysis of Students' Thinking Level Based on SOLO Taxonomy in terms of Learning Style</b> Fitri Handayani, Alia Lestari, Sitti Zuhaerah Thalbah	249-253
<b>Internalization of Multicultural Education Values in Building Tolerance in Trowulan Mojokerto Village Communities</b> Chusnul Maidah, Ummi Ulfatus Syahriyah, Siti Mariyam, Muhammad Khafid Zulfahmi Zein	255-264
<b>An investigation of pre-service teachers' current reading strategies and future reading classrooms</b> Hidayatul Luthfiya Azizah, Tomy Kartika Putra, Rohmad Arkam, Ahmad Pramudyanto	265-272
<b>Determination of Motivation and Career Development: Analysis of Training, Competence</b> Primadi Candra Susanto, Josua Panatap Soehaditama, Meikol Benned	273-279
<b>Strengthening Global Diversity Values through Profil Pelajar Pancasila in Citizenship Education Learning</b> Thoriq Abdul Aziz, Aim Abdulkarim	281-287
<b>Digital Authentic Assessment in Sentence Based Writing Course</b> Desi Wijayanti Ma'rufah	289-294
<b>How Professional English Teachers Motivate Their Students: A Multiple Case Study</b> Chotibul Umam, Nurul Aini, Griselda Gian Heris Herdina	295-307

<b>Multicultural Counseling Awareness School Counselor in Area 3 T (Lebak Banten)</b> Iis Solihah	309-314
<b>The Impact of Powtoon Learning Media on Students' Critical Thinking Skills in Learning Basic Accounting</b> Maharani Fadhiyah Haifani, Susilaningsih, Muhtar	315-321
<b>Strengthening Character Education Through Implementation of The School Literacy Movement</b> Luma'ul 'Adilah Hayya', Aldy Prasetyo	323-329
<b>Mapping Student Satisfaction from the Islamic Perspective to Improve a Lecturer's Performance</b> Muizzudin	331-339
<b>Integration of Inclusivity Values with Entrepreneurship Education at SD Tumbuh 1 Yogyakarta</b> Roma Wijaya	341-347
<b>The Relevance of God's Voice in Conscience and Its Impact to Character Building</b> Laila Nabilahtauzzahro Ibrahim, Salsabila Nova Calista, Rommel Utungga Pasopati	349-355
<b>Integration Of Science And Islam On Education Dynamic: A Comparative Study Of Al-Attas And Kuntowijoyo Thought</b> Alif Rizky Ramadhan, Nur Qamarina	357-363
<b>Life On Planets Other Than Earth From The Perspective Of The Qur'an Surat An-Nahl Verse 49</b> Muhammad Akmansyah, Sovia Mas Ayu, Asmara Dewi, Eka Wahyu Safitri	365-375
<b>Collaborative governance for lesbian in prison in Indonesia: a literature review</b> Cahyoko Edi Tando, Mulyani Rahayu	377-381
<b>Pesantren, Islamic Studies, and Ecological Discourse: Eco-pesantren study in Pesantren Hanacaraka Wonogiri, Central Java</b> Mibtadin Mibtadin	383-391
<b>Atmospheric Interpretation in Islamic and Physics Perspective</b> Jihan Ariqatur Rafiah, Firdausita Safitri Rakhmah, Winarti	393-396
<b>Implementation of Internet-Integrated Qur'an Hadith Teaching Materials to Improve Digital Literacy of Students MAS Miftahussalam Demak Regency</b> Zarkasi Zarkasi	397-402
<b>STOP Early Merriage to Protect Indonesian Women Through a Phenomenological Approach</b> Clara Yunianti	403-409
<b>The Concept of Faith and Its Influence for Social Reform in Qaradawy's Thought (A study of his book Al-Iman wal Hayah)</b> Imroatul Istiqomah	411-415

<b>Internalization of Islamic Values Through Tartil Reading of the Qur'an in a Psychological Perspective at Al-Yasini Pasuruan Integrated Islamic Boarding School</b> Arofatul Muawanah	417-428
<b>Ambassador Message Ja'far Bin Abi Thalib In The Wayang Kekayon Khalifah</b> Lutfianto, Abdul Munip	429-438
<b>'Ulum Al-Qur'an: Discourse Nasikh-Mansukh Syahrur's Perspective</b> Mia Fitriah El karimah	439-444
<b>Sharia Consumption Ethics Analysis on "Buying the Good Product Campaign" Of World-Wide Fund for Nature (WWF) Indonesia</b> Sunardi, Nur Jamaludin, Nurul Mulia Wati	445-450
<b>Rational-Religious Islamic Education Tanet and Its Relevance To Contemporary Islamic Education: Analysis Of Wahid Hasyim's Paradigm</b> Noviandriani Putri, Zulfatun Ni'mah	451-458
<b>Analysis of The Design Concept for Handling Quarter-Life Crisis with The Qurani Approach</b> Ratu Bilqis Assyifa	459-469
<b>Analyzing Meteor Phenomena in The Perspective of Science and Al-Quran</b> Retno Yekti Utami, Winarti	471-475
<b>The Features of Temptation and Redemption as Implied in Hans Christian Andersen's The Red Shoes</b> Michelle, Anicleta Yuliasuti, Rommel Utungga Pasopati	477-486
<b>Cognitive Development Analysis of C4, C5, C6 in Early Childhood Education Students and Their Implications for Teacher Efforts at Raudhatul Athfal</b> Nur Setyaningrum, Faisal Fadli	487-496
<b>Examining Modernization on Higher Educational Institution: From Late Ottoman Period to the Modern Republic of Turkiye</b> Ahmad Siddiq	497-508
<b>Analytic Study of Information Functions: Management Information System Transformation at MAN 2 Yogyakarta</b> Ananda Amalia Romadhona, Ahmad Kamal Assidiqi, Tiara Nur Urbiyanti, Daffa Alif Umar Himawan, Sumarsono	509-518
<b>Religiosity in Banyumas Folklore as Children's Literacy Material Primary School</b> Detria Nur Aini Sutrisno, St.Y. Slamet, Septi Yulisetiani	519-526
<b>The Impact of Transformational Leadership in Micro, Small and Medium Enterprises (MSMEs) A Literature Review</b> Mohammad Naufal Fawwaz, Richie Ichsan, Rizka Dewi Anggraeni, Ananda Fortunisa	527-535
<b>Digital Educational Game in Elementary School</b> Anggitiyas Sekarinasih	537-541

<b>Ecology-Based Islamic Education: A Study of the Relationship between Islamic Education and Environmental Sustainability Efforts in the Cultural Traditions of Merti Dusun in Tetep Randuacir Salatiga</b> Puspo Nugroho, Asfa Widiyanto	543-551
<b>Improving Reading Skills through Digital Islamic Comic Strip: Students' Perspective</b> Rizky Vita Losi, Sri Wahyuni, Sisi Rosida, Putri Zahra	553-556
<b>The Urgency of Islamic Education in Early Children in Forming Islamic Personality</b> Ferry Indrayani	557-561
<b>Unveiling the Potency of Coriandrum sativum as Repellent for Antimalarial: In silico Study</b> Gabriella Chandrakirana Krisnamurti, Dewi Ratih Tirto Sari	563-567
<b>Strategies of Handlying Bullying at Private Junior High Schools in Samarinda</b> Andi Meldayani, Zulkipli Lessy, Yuli Kuswandari	569-577
<b>The Relationship of Self-Concept With Interpersonal Communication of Student</b> Pomarida Simbolon, Nagoklan Simbolon	579-584
<b>The Stimulus Factors for The Study of The Qur'an in Learning Tajwid SD/MI</b> Vivin Devi Prahesti	585-589
<b>The effectiveness of organic fertilizers of chicken, cow and sheep manure against the growth of cabbage, caisim, chicory plants vegetatively</b> Ahmad Zamzami, Rev. Puri I. W, Angga Jawi A, Herlinda Putri U, Desy Cahya W	591-596
<b>Potency of Genus Cinnamomum in Addressing Type 2 Diabetes: A Review</b> Baso Ilham, Umami Zubaidah, Luhana Ahadia	597-604
<b>Review of Green Synthesis: "Activated Charcoal" to Reduce Sebum Levels in Oily Facial Skin</b> Febriansyah Husaini Syarif, Neng Risanti Alma'sum, Reza Pratama Saputra, Syifa Intan Ratiani, Aden Dhana Rizkita	605-609
<b>Determination of The SPF Value of Onion Extract (Allium Cepa L) and Kecomrang Leaves (Etlingera Elatior) A Systematic Review</b> Rhamal Amir, Nisa Sri Wahyuni, Nisa Alwia, Azahra Aqila, Silfia Ismiati, Aden Dhana Rizkita	611-615
<b>Monday Pon Activities in the Formation of Students' Religious Character in the 21st Century (Case Study at MI Kresna, Mlilir District, Madiun Regency)</b> Indah Fatmawati, Andy Litehua, Yuli Umro'atin	617-623
<b>Spatial-Temporal Variation of Land Surface Temperature in South Tambun District, Bekasi Regency in 2011 – 2022</b> Fauzan Ananda Prasetyo, Adi Wibowo, Riza Putera Syamsuddin	625-633
<b>Green Synthesis Reviews: Synthesis of Silver Nanoparticles from Galangal Rhizome Extract (Alpina galanga) and Centella asiatica Leaves as Bacterial Inhibitors</b> Aden Dhana Rizkita, Febriansyah Husaini Syarif, Neng Risanti Al'masum, Tris Ella Julita Gulo, Shari Bella Shapira	635-641

<b>Green Synthesis Nanoparticles Review: Sun Protection Based on Silver Nanoparticles Made From Extract Rhizome Galangal and Ketapang Leaf</b>	<b>643-650</b>
Syifa Intan Ratiani, Ayu Andini Rizki Lestari Rohman, Risma Eka Putri Selay, Syahrul Syah Gibran, Sintia Ayu Dewi, Aden Dhana Rizkita	
<b>Spatial Modelling of Air Surface Temperature Due to Land Cover Change at Caturtunggal Village, and Sinduadi Village</b>	<b>651-662</b>
Rizki Yaqubara Arridha, Adi Wibowo, Revi Hernina	
<b>Literature review : Nanoparticle Coatings for UV Protective Sunscreens</b>	<b>663-669</b>
Aden Dhana Rizkita, Dwi Nur Cahyani, Nisa Sri Wahyuni, Reny Rahma Wati, Siti Annisa Putri	
<b>Peripheral Countries on Climate Change: A Critical Discourse Analysis</b>	<b>671-677</b>
Danial Hamdani, Dhiva Angger Sakhena	
<b>Review for Understanding Dark Matter in The Universe as Negative Energy</b>	<b>679-685</b>
Ruben Cornelius Siagian, Lulut Alfaris, Goldberd Harmuda Duva Sinaga	
<b>The Effect of Yeast Amount on the Organoleptic Properties of Kepok Banana Tapai and Horn Banana (Musa acuminata x balbisiana)</b>	<b>687-691</b>
Ely Yosriah	
<b>Investigation of Transfer Learning Freeze Model Perfomance in Different Epoch</b>	<b>693-697</b>
Bibit Waluyo Aji, Ratna Herdiana	
<b>Biologiku: Android-Based Biology Learning Media Integration of Science, Islam and Technology</b>	<b>699-704</b>
Achmad Ali Fikri, Venty Zuslia, Muhammad Yusman, Nilam Rizkya Agustanti, Aprilisa Risky Diana, Vina Naila Muna, Lin Eflina Nailufa	
<b>Analysis Of Chemical And Physical Parameters In Lemukutan Island Bengkayang Regency West Kalimantan Waters</b>	<b>705-710</b>
Adrianto, Septiawati, Elsa	
<b>Systematic review : Natural Acne Patch Base On Nanomaterial Gelatin/Chitosan Bilayer from Mulberry Extract</b>	<b>711-714</b>
Antan Saldaw, Lintang Tri Ananda, Muhammad Rafi Hafis, Shahibatul Wafa, Aden Dhana Rizkita	
<b>Covid-19 Transmission Modeling (Case Study of Jawa Timur Province and Daerah Khusus Ibukota Jakarta Province, Indonesia)</b>	<b>715-719</b>
Sugiyanto, Muchammad Abrori	
<b>Isolation and Identification of Chemical Components of Winged Bean (Psophocarpus tetragonolobus D.C) Leaf Diethyl Ether Extract</b>	<b>721-725</b>
Aden Dhana Rizkita, Sintia Ayu Dewi	
<b>Matter of Superiority Complex as Depicted on Leo Tolstoy's The Three Hermits</b>	<b>727-734</b>
Axlinabila Annisa Annasai, Kusuma Wijaya, Rommel Utungga Pasopati	

<b>Development of the PTEAM (Physics, Technology, Engineering, Art, Mathematics) Approach by applying the SOLO Taxonomy</b> Vivi Mardian, Didi Teguh Chandra	735-739
<b>The Six Periods of the Creation Universe in the Perspective of the Study Quranic Interpretation with Science</b> Alifia Dityasari, Ika Kartika	741-748
<b>A Hybrid of t-Distributed Stochastic Neighbors Embadding and Markov Cluster in Cluster Analysis</b> Bibit Waluyo Aji, Bambang Irawanto	749-753
<b>Application of Response Surface Methodology (RSM) for Optimization of COD Removal from POME by Activated Sludge Simulation Program (ASIM)</b> Reno Susanto, Budiman Batara, Said Zul Amraini, Tjandra Setiadi	755-760
<b>A Comparison of SVM Kernel Functions for Sentiment Analysis of UU TPKS</b> Ni Kadek Mirah Budayani, Isnandar Slamet, Sri Sulistijowati Handajani	761-765
<b>Retrans: Regional Language-English Translator Machine Based on Artificial Intelligence (AI) for The 10 New Bali Regions</b> Naufal Siddiqi Nasrullah, Griselda Gian Heris Herdina, Nurul Aini	767-771
<b>Remote Sensing for Mapping the Distribution of Poverty and Inequality in Gunungkidul Regency, Yogyakarta Special Region</b> Anatansyah Ayomi Anandari	773-779
<b>DFT and molecular docking study of Vladinol F as pF-DHFR-TS inhibitors</b> Muhammad Adrian Natsir, Engelbertus Dedycando Seran, Nikita Putri, Baso Ilham	781-786
<b>Review: Natural Material Polymers As A Substitute for Synthetic Polymers</b> Shelly Siti Nour Baety, Kon Yohanes, Yudha Maulidian, Aden Dhana Rizkita, Rhamal Amir	787-793
<b>Determination of Nitrite in the Kapuas Besar River by Spectrophotometric Method</b> Noerul Hanin, Dyan Puji Lestari	795-800
<b>Identification of Endophyte in Figs Fruit (<i>Ficus carica</i> L.) Potentially as Antibacterial with 16s rRNA Marking Gene</b> Venita, Endang Sulistyarini Gultom	801-809
<b>Policy Effectiveness of Social Assistance for Religious Minority Group in Sidoarjo Regency</b> Baharuddin Riqiey, Wiwik Afifah	811-817
<b>Digital Activism by Muslim Groups in Digital Media</b> Aulia Putri Meidina, Siti Nur Laili Rahmawati	819-826
<b>The Truth of Redemption and Purification in Islam as Exposed in What I've Done Song by Linkin Park</b> Raka Dito Fahnani, Cahyaningsih Pujimahanani, Rommel Utungga Pasopati	827-834
<b>The Small Group Discussion to Improve English Communication Skills</b> Joko Prayudha S, Nabila Maratus Solihah	835-839

<b>The Perceptions of Students from Arabic Education Programs About Arabic Teaching Materials Containing Islam and Science in Madrasah</b> Mohammad Zaelani Musonif	841-850
<b>Enhancing Students Speaking Proficiency by Developing the Vocabulary Mastery: a Case Study</b> Arum Putri Rahayu	851-861
<b>Vulnerability Analysis and Adaptive Capacity of Small-Scale Fishermen in Tambakrejo Fishing Village, Semarang, Central Java, Indonesia</b> Siti Nur Khasanah	863-870
<b>Implementation of Instructor Professional Program for Increasing Instructor Competency Improvement (Cave Rescue) Basarnas Education and Training Center</b> Sisilia Ayu Sulistyani	871-877
<b>Social Assistance Rights for Disability in Gresik Distric</b> Pandu Satriawan Zainulla, Wiwik Afifah	879-883
<b>The Right to Access Information and Data Collection on Social Assistance in Sidioarjo Regency</b> Probojati Bayu Herlambang, Wiwik Afifah	885-889
<b>Complaint Mechanism Related to Social Assistance in Gresik District</b> Rio Aldino Yosevan Silalahi, Wiwik Afifah	891-896
<b>Student's Spiritual Well-Being in Juveniles Prison in Indonesia: A Descriptive Study</b> Wahyu Saefudin, Sriwiyanti	897-902
<b>The Role of Anti-Bullying Change Agents in Shaping Civic Dispositions to Tackle Bullying Behavior</b> Aris Suhendar, Muhammad Halimi	903-913
<b>Promoting Woman's Empowerment for Social Resilience in Post-Conflict Area of Lampung</b> Uswatun Hasanah	915-918
<b>Ethical issues in human therapeutic cloning</b> Yuliana Yuliana	919-921
<b>Analysis And Strategy Increasing of Traditional Fisherman Exchange Rate in The Situbondo District</b> Ramli, Ulfatul Mardiyah, Moh. Rasidi, Yona Wahyu Lolita	923-934
<b>The world will be edging toward a Global Recession (The Outlook of Education)</b> Thobias Sarbunan	935-938
<b>Coping Stress in Islamic Perspective</b> Abidah Ayu, Suhendar	939-944
<b>The effect of upwelling on water productivity based on chlorophyll-a parameters in Sumatra and Java Waters (Edge of Jakarta Bay, South Lampung and South Coast of Central Java)</b> Endah Rochmatika, Sadida Anindya Bahtiar	945-949

<b>Correlation Between Multiculturalism and Religious Moderation for Education for Sustainable Development in the 21st Century</b> Huzdaeni Rahmawati	951-961
<b>Women in the Perspective of Dayak Losarang Indramayu</b> Suci Muzfirah, Frenky Mubarak, Rico Herlambang	963-969
<b>The Influence of Government Spending in Education and Health Sector Towards Human Development Index in Java Island</b> Rima Melati Anggraeni, Moh Khusaini, Ferry Prasetyia	971-977
<b>The Effect of E-Commerce on Product Selling Power to MSMEs Moslem Owners</b> Ahmad Fadlan, Mohammad Yusuf, Herurel Pernanda	979-985
<b>Postcolonial Studies in Student Hidjo's Novel</b> Pandita Ningrum, Novi Anoegrajekti	987-991
<b>The Role of Youth in Strengthening Education and Literacy: The Case of The Loloan Youth Movement in Jembrana Bali</b> Sabarudin, Hasbil Ma'ani	993-1004
<b>The influence of Good or Negative Attitude Person's on Performance at Workplace</b> Adinda Okta Tiara, Ezha Mahendra, Ananda Fortunisa	1005-1011
<b>The Level of Environmental Concern in State Middle School Students in Yogyakarta City</b> Zudha Rahma Nur Azizah, Taat Wulandari	1013-1018
<b>Equality and Freedom in Educational Institutions: An Overview of Religious Tolerance in Indonesia</b> U. P. Charles Silalahi	1019-1028
<b>Women's Fiqih (Haid, Nifas, And Istihadhah) on Reproductive Health</b> Ai Umir Fadhilah	1029-1034
<b>Aceh Education Specificity Policy: Study on Efforts to Educate Islamic Values (Memadrasahkan) Toward Public Schools in Aceh</b> Amirul Haq RD, Mahmud Arif, Rahmad Syah Putra	1035-1040
<b>Psychological Well Being of Highly Educated Women with an Interest in Marriage (Case Study of Female in Departement of Islamic Religious Education Master Program Sunan Kalijaga State Islamic University Yogyakarta)</b> Rafiqah Dwi Rahmah	1041-1046
<b>The Value of Patience in Surah Al-Insyirah Verses 1-4: Application to Students from the Hedonistic Attitude in the 21st Century of the Tahlili Perspektive Interpertation</b> Heru Chakra Setiawan, Indah Fatmawati	1047-1052
<b>The Values of Islamic Religious Education and Their Relation to Religious Harmony (Study on QS. Al-Kafirun the Perspective of Tafsir Al-Azhar Buya Hamka)</b> Rahmat Ardi Nur Rifa Da'i, Dyah Elisa Rosanti	1053-1060
<b>The Determinants of Indonesian Students' Science Performance: An Analysis through PISA Data 2018</b> M. Mujiya Ulkhaq	1061-1066

<b>Munasabah Al-Qur'an in The Perspective of Islamic Education</b> Uswatun Chasanah	<b>1067-1074</b>
<b>The Influence of Religious Motivation, Physics Learning Motivation on The Results of Basic Physics Learning of Physics Education Students</b> Murtono Murtono	<b>1075-1080</b>

**THIS PAGE INTENTIONALLY LEFT BLANK**

# Proceeding International Conference on Religion, Science and Education

Volume 2 | April 2023 | ISSN 2829-3355 | EISSN 2828-8467

*Abstract from Keynote Speech*

---

## **Connecting Pancasila and Islam in Indonesia to Current International Models of Education for Sustainability**

*Dr. Martha C. Beck, Philosophy*

*Lyon College, Arkansas, USA.*

Teaching Philosophy and its big picture is that we need in a paradigm shift. People have been saying this at least for 50 years ago, when I was in college. We need to switch from the modern paradigm of reason and the relation between reason and faith to a system's view that is holistic one. That's what we have to do if we're going to have sustainability. Transdisciplinary multi-disciplinary approach like that of Aristotle or Pancasila are opening up the possibility of solution of the modern world problem in education. Students should also apply the virtues to their own lives and the lives of those they know. In the higher grades, student should also learn how these traditions are corrupted by wicked political leaders. They should learn to recognize patterns in abuses of power, in manipulative rhetoric, and about how character flaws and ignorance of the facts of circumstance have caused people in the past to make the wrong choices. Student should appreciate how many characters in Greek tragedies have really good arguments for making a really bad choice. They should recognize their own ways of doing the same thing. The goal is to live an examined life "the unexamined life is not worth living" says socrates, the most well-known western philosopher.

---

## **Education For Sustainability Examples From New Zealand**

*Assoc. Prof. Jenny Ritchie*

*Victoria University of Wellington, New Zealand.*

I providing a perspective from new zealand and I really interested to contribute to such a conference because it's really useful to learn from cross-disciplinary discussions and to talk about the integration and interconnection of religion science and education and I think that it's also important that we have a lens on education for sustainability at this complex time when we do have so many global challenges. I'll come years as an education and my teaching and I just want to really recognize meaning and guidance for us and understanding our deeper sense of connectedness within our world and understanding how all those domains of religion, science and in any context but I was imagining a context challenges that we face. Listen to children and young people and disempowerment will be made worse if they don't feel like they're being heard. children to become more knowledgeable about the climate culture, their political analysis and struggle to be heard and I hope that our research would insight the matters.

---

## **Biomass Is a Fructose In Steel Making: Stepping Towards The Vision of Sustainable Development and Its Climate Change In 2030**

***Mrs. (Sct) Awash Kumar Saha, M.TE.CH, M.D***

*Department of Metallurgical and Materials Engineering, Nation Institute of Technology Durgapur, India.*

The conference is all about Science Education and also religion well my focus is all on science and education where we can bring a lot of change technology is developing so much higher than today's the more far accomplishment is about skill making which is required in every country and every part of the world of the country but now the thing that before entering the skill making we have a simple clear idea that still making is physically the more effect of carbon that carbon is a dangerous thing is that today's world fossil fuels nothing fossil foods are going to killer this time it's the pickup time to change this world using a strong heft called biomass. Metallurgical industries are using fossil fuels to meet their energy needs, Metallurgical industries are one of the major energy consuming industry emitting carbon dioxide as pollutant. Due to pandemic, economic crisis had led to huge losses in industries and mankind, stepping towards to sustainable development can improve the under loses weightage which was done due to Covid-19. Sustained development needed for existence on earth. Energy audit is need of the day. The fossil fuels (coal, oil and gas) are the primary energy source to meet chemical, thermal and process needs of the metal industry. Metallurgical industries particularly plants are highly energy consuming sectors and account for nearly 5-6% global share The high energy use resulting into environmental issues need minimization by ass sector short term and long term measures. Hydrogen and biomass have potentiality as future energy source for metal industries Scaling down of Climate change can resolve the dreadful problems by raising the hands towards sustainable Development.

---