**A PROGRAM BOOK**

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**The Institute of Research and Community Services**

**Universitas Sarjanawiyata Tamansiswa**

**2022**

**A PROGRAM BOOK OF**

**THE 4th INTERNATIONAL CONFERENCE OF TECHNOLOGY, EDUCATION, AND SCIENCE**

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**The Institute of Research and Community Services**

**Universitas Sarjanawiyata Tamansiswa**

**8 November 2022**

# **Preface**

Assalamu’alaikum warohmatullahi wabarokatuh.

Good morning, Salam dan Bahagia.

The honorable

* the rector of the Universitas Sarjanawiyata Tamansiswa, Indonesia
* the vice rectors of Universitas Sarjanawiyata Tamansiswa, Indonesia
* the director of postgraduate school, deans, heads of departments, heads of units of Universitas Sarjanawiyata Tamansiswa, Indonesia
* the head of the Institute of Research and Community Service, Universitas Sarjanawiyata Tamansiswa, Indonesia
* the plenary speakers at this international conference, Assoc. Prof. John Charles Ryan from Australia, Assoc. Prof. Dr. Sharidan Shafie from Malaysia, and Dr. Sri Adi Widodo, M.Pd. from Indonesia
* and all selected presenters and participants,

on behalf of the committee, we are proud to thank and welcome you to the 4th International Conference on Technology, Education and Sciences (InCoTES) 2022. We also would like to inform you that the hybrid InCoTES 2022 has been attended by around 250 participants consisting of researchers, lecturers, students, and education practitioners. The theme for the InCoTES 2022 is *Embracing Technology and Collaboration in Academic Publication* which has interesting relevance in the global community context. Our plenary speakers have considered these specific topics viewed from various facets.

InCoTES is linked to the online journal system under the website seminar.ustjogja.ac.id and jurnal.ustjogja.ac.id. The selected papers will be peer-reviewed by international editors and published in InCoTES proceedings and Journal under the management of the Institute of Research and Community Service, Universitas Sarjanawiyata Tamansiswa.

Finally, we encourage you and your colleagues to join our 5th InCoTES in 2023 as your presence will be valuable in the research and publication development. We hope you enjoy the conference.

Wassalamu’alaikum warohmatullahi wabarokatuh. Salam

Dr. Didi Supriadi, S.Si., M.Pd

Chief

the 4th InCoTES 2022

# **Welcoming Remarks**

Assalamu’alaikum warohmatullahi wabarokatuh

Good morning, Salam dan Bahagia

The honorable

* the rector of the Universitas Sarjanawiyata Tamansiswa, Indonesia
* the vice rectors of Universitas Sarjanawiyata Tamansiswa, Indonesia
* the director of postgraduate school, deans, heads of departments, heads of units of Universitas Sarjanawiyata Tamansiswa, Indonesia
* the plenary speakers at this international conference, Assoc. Prof. John Charles Ryan, Assoc. Prof. Dr. Sharidan Shafie, and Dr. Sri Adi Widodo, M.Pd.
* committee and all selected presenters and participants.

Welcome to the 4th International Conference on Technology, Education and Sciences (InCoTES) 2022. The InCoTES is an annual international conference organized by the Institute of Research and Community Services, Universitas Sarjanawiyata Tamansiswa for supporting the research dissemination and for establishing the international networking.

The Institute of Research and Community Services, Universitas Sarjanawiyata Tamansiswa has a longstanding commitment to research and community services. The number of research nowadays has increased significantly and InCoTES provides unique opportunities in networking and joint research. I really encourage you to build knowledge, share ideas and strengthen your networking in research and community services with us .

Finally, I would like to invite Prof. Drs. H. Pardimin. M.Pd., Ph.D. or his representative to open this 4th International Conference on Technology, Education and Sciences. I wish all InCoTES participants get priceless experience. Lastly, have a wonderful conference!

Wassalamu’alaikum warohmatullahi wabarokatuh.

Salam

Dr. Siti Rochmiyati, M.Pd

Head

The Institute of Research and Community Services

Universitas Sarjanawiyata Tamansiswa

# **Opening Remark**

Assalamu’alaikum warohmatullahi wabarokatuh

Good morning, Salam dan Bahagia

I warmly welcome the honorable plenary speakers:

* Assoc. Prof. John Charles Ryan from Southern Cross University, Australia and University of Notre Dame, Australia,
* Assoc. Prof. Dr. Sharidan Shafie from Universiti Teknologi Malaysia, Malaysia, and
* Dr. Sri Adi Widodo, M.Pd. from Universitas Sarjanawiyata Tamansiswa, Indonesia
* and all participants of the 4th International Conference on Technology, Education and Sciences (InCoTES) 2022.

Universitas Sarjanawiyata Tamansiswa (UST) through the Institute of Research and Community Services places human resource development as a high priority in research and community services. We believe that the use of intellectual capital is an essential emphasis on empowering our human resources and capacity building development. We really support strategic plans to ensure our integration into international community. Through this InCoTES, we establish a new horizon on professional development, networking and partnership on research and community services.

By saying bismillahirrohmanirrohiim…I formally open the 4th InCoTES 2022.

We strongly encourage you to take as much benefit as you can from this InCoTES 2022 and we wish you a fruitful conference.

Wassalamu’alaikum warohmatullahi wabarokatuh.

Salam

Prof. Drs. H. Pardimin. M.Pd., Ph.D

Rector

Universitas Sarjanawiyata Tamansiswa

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# **About InCoTES**

The Institute of Research and Community Service, Universitas Sarjanawiyata Tamansiswa has an established commitment to research and community service with both the domestic and abroad university partners. The number of researchers in UST has risen remarkably, shown by the double increase of the Sinta version 3 score from around 50,000 to 100,233 recently. This also brings UST into the fifth rank of the Sinta Score among higher education institutions in Yogyakarta, Indonesia.

The considerable increase of the Sinta score cannot be separated from the number of research publications in journals, books or Intellectual Property Rights (IPR). LP3M UST has managed approximately 39 journals and 20 proceedings under Operation Journal System 3,  and more than 450 IPR which firmly support the research publication.

The International Conference on Technology, Education, and Science (InCoTES) is an annual conference organized by LP3M UST since 2019. The 1st InCoTES was run in Saphir Hotel on 7 December 2019 with the theme of “Innovation Strategies: Industrial Revolution 4.0 to Society 5.0”. Due to the COVID pandemic, the 2nd and 3rd InCoTES were held online in 2020 and 2021 respectively. In 2022, the LP2M UST will facilitate the 4th InCoTES in a hybrid mode.

# **Important Links**

Program Book : <https://bit.ly/InCoTES_Program_Book2022>

Payment Confirmation: <https://bit.ly/payment-InCoTES>

**Zoom**

Zoom link: <https://bit.ly/InCoTES2022> (also available on the WAG description)

Zoom background

Presentation Materials (PPT/PDF/recorded video link) Submission:

<https://bit.ly/presentation_materials_InCoTES2022>

Attendance Form: <https://bit.ly/Attendance_InCoTES2022>

**Certificates**

[The 4th InCoTES 2022 Certificates (all)](https://bit.ly/InCoTES2022_certificates)

OR <https://bit.ly/InCoTES2022_certificates>

**Proceedings Links**

1. The 1st InCoTES in 2019:

<https://jurnal.ustjogja.ac.id/index.php/incotes/issue/view/409>

1. The 2nd InCoTES in 2020

<https://jurnal.ustjogja.ac.id/index.php/incotes/issue/view/516>

1. The 3rd IncoTES in 2021

<https://jurnal.ustjogja.ac.id/index.php/incotes/issue/view/561>

1. The 4th InCoTES in 2022:

[https://seminar.ustjogja.ac.id/index.php/InCoTES/](https://seminar.ustjogja.ac.id/index.php/InCoTES/index)

**Other publications Links**

1. Wacana Akademika: <https://jurnal.ustjogja.ac.id/index.php/wacanaakademika>
2. Sosiohumaniora : [https://jurnal.ustjogja.ac.id/index.php/sosio/](https://jurnal.ustjogja.ac.id/index.php/sosio/index)
3. Science Tech: <https://jurnal.ustjogja.ac.id/index.php/sciencetech>
4. Tamansiswa International Journal in Education and Science (TIJES): <https://jurnal.ustjogja.ac.id/index.php/TIJES>

and many more on <https://jurnal.ustjogja.ac.id/>

# **Conference Schedule**

**The 4th International Conference on Technology, Education, and Science (InCoTES)**

**“Embracing Technology and Collaboration in Academic Publication”**

**8 November 2022**

**(Hybrid Mode)**

| **Time** | **Activities** | **PIC** |
| --- | --- | --- |
| 8 - 8.45 AM | Opening Ceremony | MC: **Epsilandri Septyarini, SE., MM** |
| Indonesian National Anthem and Hymn Tamansiswa | Main Zoom Operators  (Mr. Bimo and Mr. Mosi) |
| Welcoming Dance  (Golek Ayun-Ayun Dance) | Dancers: Destrine Megentina and Elsa Nur Safitri |
| Remarks | **Dr. Didi Supriadi, S.Si., M.Pd.**  (Committee Chairman) |
| **Dr. Siti Rochmiyati, M.Pd**  (Head of the Institute of Research and Community Services, UST) |
| Opening Speech | **Prof. Drs H Pardimin MPd PhD**.  (Rector of UST) |
| Photo Session | **Committee** |
| 08.45 - 11.30 AM  08.45 - 09.15 AM  09.15 - 09.45 AM  09.45 - 10.15 AM  10.15 - 11 AM | Plenary Session  **Assoc. Prof. John Charles Ryan.** (Southern Cross University, Australia  and University of Notre Dame, Australia)  **Assoc. Prof. Dr. Sharidan Shafie.** (Universiti Teknologi Malaysia, Malaysia)  **Dr. Sri Adi Widodo, M.Pd**. (Universitas Sarjanawiyata Tamansiswa)  Question-Answer Session | Moderators:  **Santiana, M.Pd.**  (Siliwangi University, Indonesia)  **Ima Widyastuti, S.S., M.A., M.A TESOL**  (Universitas Sarjanawiyata Tamansiswa) |
| 11 – 11.15 AM | Giving Tokens of Appreciation | MC  Zoom Operators |
| 11.15 - 01.00 PM | Parallel Session | |
|  | Zoom Room 1 (Technology) | Parallel Moderator: **Jamiu Temitope Sulaimon** (Ground-Plus College of Education, Nigeria)  Parallel MC: **Ahmad Zaki Marjan**  Zoom Operator: **Khotim Hanifudin Najib, M.Pd.** |
|  | Zoom Room 2 (Education) | Parallel Moderator: **Muhammad Amin Nadim**  (University of South Asia Lahore, Pakistan)  Parallel MC: **Alfannycia Twonita**  Zoom Operator: **Trio Ardhian, M.Pd** |
|  | Zoom Room 3 (Education) | Parallel Moderator: **Arnel S. Travero** (University of Science and Technology of Southern Philippines-Claveria, The Philippines).  Parallel MC: **Anugerah Sam**  Zoom Operator: **Syarief Fajaruddin, M.Pd.** |
|  | Zoom Room 4 (Education) | Parallel Moderator: **Regine Aguilar Principe**  Teacher I  Famy National Integrated High School Laguna, Philippines  Parallel MC: **Anggraeni Gunawati**  Zoom Operator: **Ag. Eko Susetyo, S.T. M.Sc** |
|  | Zoom Room 5 (Education) | Parallel Moderator: **Prof. Jhonnel Jacinto Abalajon**  Instructor and GAD Focal Person Capiz State University  Sigma Satellite Campus  Parallel MC: **Syarah Yasmin Mahfuzah**  Zoom Operator: **Ardian Arief, M.Pd.** |
|  | Zoom Room 6 (Science) | Parallel Moderator: **Pashupati Pratap Neelratan** (Department of Physics, S. S. V. College, Hapur, Uttar Pradesh, India)  Parallel MC: **Saviera Zulykha Ajeng Fauqii Nuura**  Zoom Operator: **Abdul Rahim M.Pd.** |
|  | Zoom Room 7 (Science) | Parallel Moderator: **Goutam Majhi**  (Assistant Professor in English, Sadhan Chandra Mahavidyalaya, affiliated to University of Calcutta, India)    Parallel MC: **Agus Arifuddin**  Zoom Operator: **Muhammad Prihastaka Ari Wibowo** |

# **The Rules on the Parallel Session**

1. Opening Session

* The MC opens the Parallel session.

1. Presentation Session

* This is led by the Parallel Moderator
* Each paper title is presented in maximum 15 minutes.
* The presenters may show the slides on their own laptops.

1. Question-Answer Session

* This is led by one parallel moderator.
* The participants, who would like to ask questions, click the **raise hand** facility on Zoom, OR type the questions on the chat box
* The moderator chooses the raised-hand participants to ask directly to the presenters, OR read the questions from the chat box

1. Closing

* The MC closes the parallel session as well as the InCoTES 2022.

# 

# **Parallel Session**

## **Zoom Room 1**

| Parallel Moderator | : **Jamiu Temitope Sulaimon** (Ground-Plus College of Education, Nigeria) |
| --- | --- |
| Parallel MC | : **Ahmad Zaki Marjan**  (Universitas Syiah Kuala) |
| Zoom Operator | : **Khotim Hanifudin Najib, M.Pd.**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Sigit Purnomo 1  Arif Bintoro Johan2  Rabiman3  Tri Pamungkas4 | Development Of Android Application-Based Learning Media on Motorcycle Electrical Maintenance Materials at Vocational High School | Universitas Sarjanawiyata Tamansiswa, Indonesia |
| 2.. | Sigit Purnomo1  Rabiman2  Arif Bintoro Johan3  Ega Bimantara4  Dianna Ratnawati5 | Learning Technology using E-Modul Chasis in Vocational Education: 4-D Model | Sarjanawiyata Tamansiswa University, Indonesia |
| 3. | Hendra Cahyadi1  Fitria Handayani2  Reyna Andiani3 | Correlation of Soil Plasticity Index (PI) Value with California Bearing Ratio (CBR) for Soil in Banjarmasin | Universitas Islam Kalimantan, Indonesia |
| 4. | Eka Purnamasari1  Muhammad Syafawi2 | The Effect of Variations Of Palm Oil Shell Waste And Fly Ash On The Compression Strength Of Concrete | Universitas Islam Kalimantan MAB Banjarmasin, Indonesia |

**Zoom Room 2**

| Parallel Moderator | : **Muhammad Amin Nadim**  (University of South Asia Lahore, Pakistan) |
| --- | --- |
| Parallel MC | : **Alfannycia Twonita**  (Universitas Sarjanawiyata Tamansiswa) |
| Zoom Operator | : **Trio Ardhian, M.Pd**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Mark Gabriel W. Aguilar1  Jayson N. Olayta2  Victa Sari Dwi Kurniati3 | Productivity, Efficiency, and Convenience of Tourism Management Students in Online Education versus Traditional Education | Emilio Aguinaldo College1, Philippines1  Laguna State Polytechnic University2, Philippines2  Universitas Sarjanawiyata Tamansiswa3, Indonesia3 |
| 2. | Mutoharoh1  Achmad Hufad 2  Isti Rusdiyani 3 | The Relationship between PAUD Head Supervision Competence and Teacher Performance in Early childhood education | Sultan Ageng Tirtayasa University Serang1, 3, Indonesia1, 3  Indonesian University of Education2 |
| 3. | Siska Lidya Revianti1  Andre Pramudjianto2  Indra Yatini Buryadi3  Dini Fakta Sari4  Muhammad Amin Nadim | An Android-Based English Vocabulary Learning Application for The First Grade of Elementary School Students | The Digital Technology University of Indonesia1-4  University of South Asia Lahore, Pakistan5 |
| 4 | Risky Nur Indahsari1  Daimul Hasanah2  Ani Widyawati3 | The Development of Electronic Student Worksheets (E-LKPD) Based on Scaffolding of Energy Material in Life System Class VII | Universitas Sarjanawiyata Tamansiswa Yogyakarta1, 2, 3, Indonesia1, 2, 3 |

## **Zoom Room 3**

| Parallel Moderator | : **Arnel S. Travero**  (University of Science and Technology of Southern Philippines-Claveria, The Philippines) |
| --- | --- |
| Parallel MC | : **Anugerah Sam**  (Universitas Sarjanawiyata Tamansiswa) |
| Zoom Operator | : **Syarief Fajaruddin, M.Pd.**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Maria Corazon Saturnina A. Castro | Written Corrective Feedback: Varying Perspectives and their Implications to Classroom Practices | Universitas of the Philippines |
| 2. | Rozanah Katrina Herda1  Ima Widyastuti2  Maria Corazon Saturnina A. Castro3  Angga Damayanto4 | Going Beyond the EFL Teachers’ Beliefs on Authentic Assessment: Reframing the Five-Dimensional Approach | Universitas Mercu Buana Yogyakarta1, Indonesia1  Universitas Sarjanawiyata Tamansiswa2, Indonesia2  University of the Philippines3, Philippines3  Universitas Negeri Yogyakarta4, Indonesia4 |
| 3. | Martin Flemming Panggabean1  Hudhoodha Wahed2  Yuyun Yulia3 | Strategies for Entrepreneurs with Disabilities Based on Porter’s Model | Khazar University1,2, Azerbaijan1,2  Universitas Sarjanawiyata Tamansiswa, Indonesia3 |
| 4 | Lidia Pilkita1, Siti Mariah2, Desy Tri Inayah3 | Contribution of organizational activity to Teacherpreneur student teacher candidates | Universitas Sarjanawiyata Tamansiswa, Indonesia1-3 |
| 5 | Yuyun Yulia | English language teaching media to accommodate students’ 21st century skills | Universitas Sarjanawiyata Tamansiswa |

## **Zoom Room 4**

| Parallel Moderator | : **Regine Aguilar Principe**  Teacher I, Famy National Integrated High School  Laguna, Philippines |
| --- | --- |
| Parallel MC | : **Anggraeni Gunawati**  (Universitas Sarjanawiyata Tamansiswa) |
| Zoom Operator | : **Ag. Eko Susetyo, S.T. M.Sc**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Lilies Youlia Friatin1  Mark Joren Awa Caberos2 | Students’ Self-Consciousness of Comic Strips as Teaching Aids in Narrative Writing Subject Matter | English Education Program, Universitas Galuh1, Indonesia1  Institute of Teacher Education, Gov. Alonso D. Tan College2, Philippines2 |
| 2. | Asti Febrina1  Dody Dores2 | The use of the Think Pair Share (TPS) Cooperative Model with LKS with Mind Maps on Biology Learning Competencies for Class X SMAN Airpura | Politeknik Negeri Sambas1, Indonesia1  Universitas Terbuka2, Pontianak2, Indonesia2 |
| 3. | Alfiatul Maulida1  Bernadetta Diansepti Maharani2  Zaizafun Sintarana3  Princessa Rakhita Enadi4  Regine Aguilar Principe5 | Implementation of Kampus Mengajar as A Means of Soft Skill Development | Universitas Sarjanawiyata Tamansiswa1, 2Indonesia1, 2  Universitas Ahmad Dahlan3, Indonesia3  Universitas Negeri Semarang4, Indonesia4  Famy National Integrated High School Laguna, Philippines5 |
| 4 | Alfiatul Maulida1  Nur Anita Chandra Putry2  Risa Puspitas Sari3  Icha Sulaeman4 | Softskill Improvement Through Business Feasibility Analysis to Minimize Bankruptcy of Micro, Small, and Medium Enterprises | Sarjanawiyata Tamansiswa University1234, Indonesia1234 |
| 5 | Dwi Wijayanti1, Biya Ebi Praheto2, ,Wachid Pratomo3 | Analysis of Democracy and Multicultural Education  Based on The Theory Of Ki Hadjar Dewantara: Study In Students of PGSD UST | Universitas Sarjanawiyata Tamansiswa, Indonesia1-3 |

## 

## **Zoom Room 5**

| Parallel Moderator | : **Prof. Jhonnel Jacinto Abalajon**  Instructor and GAD Focal Person Capiz State University Sigma Satellite Campus |
| --- | --- |
| Parallel MC | : **Syarah Yasmin Mahfuzah**  (Universitas Sarjanawiyata Tamansiswa) |
| Zoom Operator | : **Ardian Arief, M.Pd.**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Titik Muti’ah1  Indriyati Eko Purwaningsih2  Juni Sungsang Prakosa3  Jhonnel J. Abalajon4 | Commitment and Resilience of Public and Private High School Teachers in Yogyakarta, Indonesia | Universitas Sarjanawiyata Tamansiswa123, Indonesia123  Capiz State University Sigma Satellite College4, the Philippines4 |
| 2. | Banun Havifah Cahyo K.1  Siti Rochmiyati2  Imam Ghozali3  Muhamad Fajarudin4  Aziz Murof Suharyanto5 | Representation of Character Education Values Based on Lickona’s Perspective in English Textbook at Indonesian Elementary School | Universitas Sarjanawiyata Tamansiswa, Indonesia |
| 3. | Siti Rochmiyati 1  Banun Havifah Cahyo K2  C. Indah Nartani3  Anik Dwi Nurmawati 4  Astrin Hamida5  Cantika Pangestuningtyas6 | Representation of Character Education to Realize Pancasila Student Profile of Indonesian Textbook in Elementary School | Universitas Sarjanawiyata Tamansiswa, Indonesia |
| 4. | Nabila Noor Qisthani1  Syarif Hidayatuloh2  Yulinda Uswatun Kasanah3  Miftahol Arifin4 | Identification of Stakeholder Roles in The Beef Halal Logistics Process at Purwokerto Slaughterhouse | Institut Teknologi Telkom Purwokerto1,2,3,4, Indonesia1,2,3,4 |
| 5 | Dinar Westri Andini1, Handoyo Saputro2, Wahyu Setya Ratri3, Anang Sudigdo4 | PASUSS (Simple Solar Panel) From Used DVD (Digital Versatile Disc)  As Insect Repellent on Agricultural Land | Universitas Sarjanawiyata Tamansiswa |

## **Zoom Room 6**

| Parallel Moderator | : **Pashupati Pratap Neelratan** (Department of Physics, S. S. V. College, Hapur, Uttar Pradesh, India) |
| --- | --- |
| Parallel MC | : **Saviera Zulykha Ajeng Fauqii Nuura**  (Universitas Sarjanawiyata Tamansiswa) |
| Zoom Operator | : **Abdul Rahim M.Pd.**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Dian Yulis Wulandari1  Ismaraidha2  Ocdy Amelia3 | Application of Binary Logistic Regression Analysis Method with SPSS Statistics 22.0 in Predicting Factors Affecting the Long of Study | Universitas Pembangunan Panca Budi123, Indonesia123 |
| 2. | HT Gita Prima Agusta | Building Student Character Through Positive Discipline | SMK Negeri 2 Lubuklinggau, Indonesia |
| 3. | Evi Hikmah Nurchayati1  Yuli Prihatni2  Rahayu Retnaningsih3 | Analysis of Hots-Based Assessment Instruments for Science Subjects | Sarjanawiyata Tamansiswa University1,2,3, Indonesia1,2,3 |
| 4. | Epsilandri Septyarini | Increasing Organizational Commitment in Dinas Koperasi Usaha Kecil dan Menengah, Perindustrian dan Perdagangan Kabupaten Bantul Through Transformational Leadership, Work Involvement, and Intrinsic Motivation | Sarjanawiyata Tamansiswa University, Indonesia |
| 5 | **Mulyanto**  Mundilarno2,  Welas Nugroho3 | The Teaching Factory Model Learning Management at SMK Bina Karya 1 Karanganyar, Kebumen | Universitas Sarjanawiyata Tamansiswa, Indonesia |

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## **Room Room 7**

| Parallel Moderator | : **Goutam Majhi**  (Assistant Professor in English, Sadhan Chandra Mahavidyalaya, affiliated to University of Calcutta, India) |
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| Parallel MC | : **Agus Arifuddin**  (Universitas Sarjanawiyata Tamansiswa) |
| Zoom Operator | : **Muhammad Prihastaka Ari Wibowo**  (Universitas Sarjanawiyata Tamansiswa) |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Agustina Sri Purnami1  Suyono2  Veni Sucahyani3  Goutam Majhi4 | Portrait of Scientific Publication of Teachers of SMK N 3 Yogyakarta | Universitas Sarjanawiyata Tamansiswa1,2,3, Indonesia1,2,3  University of Calcuta, India4 |
| 2. | Akbar Al Masjid1  Sumarlam2  Retno Winarni3  Budhi Setiawan4  Arya Dani Setyawan5  Endah Marwanti6 | The Philosophical Meanings Contained in The Serat Sari Swara (Especially the Wasita Rini Song) By Ki Hadjar Dewantara | Universitas Sarjanawiyata Tamansiswa1,5,6, Indonesia1,5,6  Universitas Sebelas Maret2,3,4, Indonesia2,3,4 |
| 3. | Juanda1  Zamzani2  Pangesti Wiedarti3  Cintya Nurika Irma4 | Indonesia Language Policies on Colonial and Postcolonial: Improving the function of Indonesian language | Universitas Negeri Yogyakarta123, Indonesia123  Universitas Sebelas Maret4, Indonesia4 |
| 4 | Wahyu Kurniawati1  Wahyu Prihatiningsih2  Rahma Kurnia Novitasari3 | Development of Science Worksheet Oriented on Marzono's Taxonomy to Improve High Order Thinking of Elementary School Students | Universitas PGRI Yogyakarta, Indonesia1,2  Universitas Negeri Yogyakarta, Indonesia3 |
| 5 | Nonik Kusuma Ningrum,  Putri Dwi Cahyani,  Ratih Kusumawardani,  Dwi Endra Prasetyo,  You is Nur Wahyudi,  Eva Pradhita Arum  Sari, and Agnes  Regita Cahya | Will Customers Pay More for Green Products? | Universitas Sarjanawiyata Tamansiswa, Indonesia |

## **Zoom Room 8**

| Parallel Moderator | : |
| --- | --- |
| Parallel MC | : |
| Zoom Operator | : |

| **NO** | **AUTHOR** | **PAPER TITLE** | **AFFILIATION** |
| --- | --- | --- | --- |
| 1. | Ima Widyastuti1  Victa Sari Dwi Kurniati2  Adhi Kusuma3  Didi Supriadi4  Mudimin5  Aura Victoria Noersadono6  Rifky Ramadhan7  Muhammad Rijalanavi8 | Literacy Design for Partner School in Freedom of Learning-Independent Campus (MBKM) | Universitas Sarjanawiyata Tamansiswa1-4 & 7-8, Indonesia1-4 & 7-8  SD N Temuwuh5, Indonesia5  Ringling Arts College6, Florida6, the United State of America6 |
| 2. | Victa Sari Dwi Kurniati1  Adhi Kusuma2  Ima Widyastuti3  Poppy Indriyanti4  Nur Utami5  Indra Kurniawan6  Rahma Noor Izza7  Dwi Ananda Ramadani8 | English Literacy Design for Partner School in Freedom of Learning-Independent Campus (MBKM) | Universitas Sarjanawiyata Tamansiswa, Indonesia1-4 & 6-8  SMP N 13 Yogyakarta, Indonesia5 |
| 3. | Adhi Kusuma1  Ima Widyastuti2  Victa Sari Dwi Kurniati3  Maria Corazon Saturnina A. Castro4 | English Acquisition Among Secondary Schools in Yogyakarta | Universitas Sarjanawiyata Tamansiswa 1,2,3, Indonesia1,2,3  Universitas of the Philippines4, Philippines4 |
| 4. | Ima Widyastuti1  Victa Sari Dwi Kurniati2,  Poppy Indriyanti3  Siti Rochmiyati4  Sikhorn Prasitsuwan5 | The Plural Marking Acquisition Among English Learners in Indonesia and Thailand | Universitas Sarjanawiyata Tamansiswa 1,2,3,4, Indonesia1,2,3,4  Thepsatri Rajabat University, Thailand5 |

# **Plenary Speakers**

## [**Assoc. Prof. John Charles Ryan**](https://drive.google.com/file/d/1nB480CP771u6jExSIuQxcQ1WQOaTioSP/view?usp=share_link)

|  | Faculty of Business, Law and Arts  Southern Cross University, Australia  and University of Notre Dame, Australia  john.c.ryan@scu.edu.au |
| --- | --- |

[**Towards the Digital Environmental Humanities (DEH): Science, Technology, and Data Ecology in an Open Knowledge Era**](https://drive.google.com/file/d/1wAVEA1BNyQFIlK4XLm-w-ITUyKYJNP1w/view?usp=share_link)

John Charles Ryan1

Southern Cross University,1 Australia1

john.c.ryan@scu.edu.au1

Researchers in the discrete fields of the digital humanities and the environmental humanities have begun to work in partnership more intensively under the aegis of the digital environmental humanities (DEH). The objective of this emerging field is to apply digital technologies in addressing the ecological urgencies of the Anthropocene. Recognizing DEH’s emphasis on natural and cultural health, this paper reviews two current areas of emphasis in the field: perennial eco-archiving and citizen ecohumanities. Within each area, the analysis considers the ways in which the concepts and practices of DEH have been implemented to promote environmental awareness. The conclusion offers some recommendations for further advancing DEH through open-access, community-based approaches.

***Keywords*:** *Digital Humanities, Environmental Humanities, Data Ecology, Open Knowledge, Climate Change Science*

[**Assoc. Prof. Dr. Sharidan Shafie**](https://drive.google.com/file/d/1sFEoozDLxF4vIYubOWDEogp8b5xw6CFB/view?usp=share_link)

|  | Department of Mathematical Sciences, Faculty of Science  Universiti Teknologi Malaysia, Malaysia  sharidan@utm.my |
| --- | --- |

[**MHD Double-diffusive Free Convection Flow of Nanofluids between Vertical Oscillating Plates**](https://drive.google.com/file/d/1w_6d0Avzfl1I9QG27pDm51xMNlCrGEGr/view?usp=share_link)

Fasihah Zulkiflee1

Sharidan Shafie2

Ahmad Qushairi Mohamad4

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In this paper, double-diffusive free convection of nanofluids flow with oscillating vertical parallel plates and mass diffusion were considered. Some effects like radiation, chemical reaction and MHD are considered. Obtained equations were converted into ordinary differential equations with appropriate transformations. Laplace transform method was used to find the exact solutions of velocity, temperature and concentration profiles from the dimensionless governing equations. Discussion of graph pertaining to different embedded parameters was also added. Results show that nanoparticle volume fraction reducing velocity and concentration profile but increasing temperature profile for fluid flow. Oscillating effects cause the the velocity profile to decreases.

**Keywords**: *MHD, Nanofluids, Vertical Oscillating Plates*

## **Dr. Sri Adi Widodo, M.Pd.**

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[**International Publication: from Zero to Hero, A Story Share Experience**](https://docs.google.com/presentation/d/1jDd_iWETFkSQxQWOtzHv9Ha3jukBDPQR/edit?usp=share_link&ouid=115430403454547719328&rtpof=true&sd=true)

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Abstract. paradigm from teaching-based universities to research-based universities, absolutely must be done by all universities for the present era and even for the future. Several universities have begun to receive the positive effects of this paradigm shift. This is because the ranking of universities carried out by the Ministry of Education and Culture in Indonesia, or an international rating agency includes publication indicators as one of the benchmarks. For this reason, lecturers as one of the academic communities who are the last gatekeepers in the academic field, need a strategy to publish in international journals. This paper talks about the strategies that researchers can use to carry out international publications.

***Keyword:*** *International Publication, research, IMRAD*

# **Parallel Abstracts**

| **1** | Development of Android Application-Based Learning Media on Motorcycle Electrical Maintenance Materials at Vocational High School |
| --- | --- |
| Sigit Purnomo1  Arif Bintoro Johan2  Rabiman3  Tri Pamungkas4  Universitas Sarjanawiyata Tamansiswa, Indonesia 1234  sigitpurnomo@ustjogja.ac.id  Purpose of this study was to produce learning media and test the feasibility of learning media based on android applications at Vocational High School. The type of research used in this research is research and development using a 4-D model. The subjects in the study were 31 students of class XI at Vocational High School. The data collection instrument used quantitative descriptive analysis to determine the feasibility of learning media. The results of this study indicate: (1) Development research produces learning media for motorcycle electrical maintenance materials for students of class XI TBSM with the development process through the following stages: (a) define; (2) designs; (3) development; (4) disseminate; furthermore (2) Android-based learning media is categorized as feasible to use in learning to get validation results from material experts of 83.5%, media experts 76.8%, student trials 80.4%.  **Keywords:** *Learning Media, Android, Motorcycle Ignition System* | |

| **2** | Learning Technology using E-Modul Chasis in Vocational Education: 4-D Model |
| --- | --- |
| Sigit Purnomo1  Rabiman2  Arif Bintoro Johan3  Ega Bimantara4  Dianna Ratnawati5  Sarjanawiyata Tamansiswa University1,2,3,4,5, Indonesia1,2,3,4,5  sigitpurnomo@ustjogja.ac.id1  This study aims to produce Modul Chasis based learning media in Class XI PMKR Learning at Vocational High School. In addition, to determine the feasibility of the resulting Flipping Book to be used as a learning medium for class XI students at the Vocational High School, this research is included in the type of research and development (Research and development) using the 4-D model. The stages used in E-Modul media development process are define, design, development, and desiminate. Collecting data using observation and questionnaires. This study involved material experts, media experts, teachers and students to get an assessment and student response to the feasibility of E-Modul. The data analysis technique used is qualitative and quantitative data analysis techniques. The results showed that validation by material experts obtained a percentage of 79% in the good category, the results of validation by media experts obtained a percentage of 79% in the good category, small class test results obtained a percentage of 90% in the very good category and the results of the large class test obtained a percentage of 71,20% in the good category. Based on the data obtained, it can be concluded that e-modul chasis is feasible to use in the learning process.  **Keywords:** *Learning Media, E-Modul Chasis 4D* | |

| **3** | Correlation of Soil Plasticity Index (PI) Value with California Bearing Ratio (CBR) for Soil in Banjarmasin |
| --- | --- |
| Hendra Cahyadi1, Fitria Handayani2, Reyna Andiani3  Universitas Islam Kalimantan123, Indonesia123  irarizqonroyan@gmail.com1  fitria.ftsunika@gmail.com2  reynaandiani26@gmail.com3  Education is a human effort to expand knowledge in order to form values, attitudes, and behaviors. Indonesia as a developing country needs qualified human resources and able to compete in the world. One of the government's efforts to create quality human resources is through education. Schools as one of the formal educational institutions have a very important role to realize educational goals. The purpose of this study: (1) To determine the contribution of teaching experience, professional competence and pedagogical competence together to the Trilogy of SD teacher learning leadership in Mungkid Subdistrict, Magelang District. (2) To determine the contribution of teaching experience to the leadership trilogy in elementary school teacher learning in Mungkid Sub-district of Magelang District (3) To determine the contribution of professional competence to leadership trilogy in elementary school teacher learning in Mungkid Sub-district of Magelang. This study uses a quantitative research approach in which research. This research is a quantitative research. The research data collection techniques used the following methods: The questionnaire in this study was used to obtain data on teaching experience, professional competence, and pedagogical competence towards leadership trilogy in learning for elementary school teachers in Mungkid Subdistrict, Magelang District.  **Keywords:** *Plasticity Index, CBR, Atterberg Limit, Clay* | |

| **4** | The Effect of Variations Of Palm Oil Shell Waste And Fly Ash On The Compression Strength Of Concrete |
| --- | --- |
| Eka Purnamasari1  Muhammad Syafawi2  Universitas Islam Kalimantan MAB Banjarmasin12, Indonesia12  eka.ftsuniska@gmail.com  Concrete is a composite building material made from a combination of coarse aggregate, fine aggregate and cement paste which is very often used in the building and construction sector in Indonesia. The increase in the use of concrete causes the amount of available resources to decrease, so that one alternative that can be used to overcome this is to utilize the results of industrial waste as a substitute for concrete constituents. The purpose of this study was to determine the composition and results of the compressive strength of concrete using substitution materials in the form of oil palm shells and fly ash. The percentage variations used are 0%, 3%, 6%, 9% for oil palm shells and 5% for fly ash in each mixed plan with a design concrete quality of K-200. The number of test objects is 9 cubes per mixed variation with a test age of 7 days, 14 days and 28 days. such as for village roads, ground floors and column foundations.  **Keywords:** *Palm Oil Shell, Concrete, Fly Ash* | |

| 5 | Productivity, Efficiency, and Convenience of Tourism Management Students in Online Education versus Traditional Education |
| --- | --- |
| Mark Gabriel W. Aguilar1  Jayson N. Olayta2  Victa Sari Dwi Kurniati3  Emilio Aguinaldo College1, Philippines1  Laguna State Polytechnic University2, Philippines2  Universitas Sarjanawiyata Tamansiswa3, Indonesia3  markgabrielaguilar@gmail.com1  jaysonolayta24@gmail.com2  victasari@ustjogja.ac.id3  The COVID-19 pandemic has caused changes in the global education system, requiring all educational institutions to adapt online instruction in response to government regulations such as lockdowns, travel restrictions, and the ban of public meetings, among others. More than two years later, as the country recovers from the effects of the pandemic, the Philippine government has chosen to return educational institutions' activities to face-to-face mode. During the pandemic, several academics sought to learn about the influence of online education on students' academic achievement, students' attitudes about online learning, the impact on students' mental health, and parents' perceptions and experiences. However, despite the abundance of published material, there is a lack of studies on students' preference between online education and traditional education, notably among tourism management students in the Philippines, as well as studies that have determined the differences on students' choice in terms of the type of institution they are enrolled at. Most studies included students from other countries, while those undertaken in the Philippines have focused on students' perceptions of online education rather than comparing the two modalities, motivating the researchers to conduct this study. Using a descriptive research design taking on quantitative research approach, the researchers aimed to determine the experience of tourism management students in selected colleges and universities in Region IV-A, Philippines towards online and traditional education in terms of productivity, efficiency, and convenience. To present a clearer picture of the case, a comparative analysis of the responses of the respondents was performed in terms of their age, sex, and the type of institution they are enrolled at, identifying which age group, sex group, and students in certain type of institution have higher productivity and efficiency levels, and have felt more convenient following online and traditional education, compared with other groups, consequently identifying which modality is preferred by these students. Findings of this study serve as guide for government agencies concerned with education and educational institutions to understand their stakeholder, allowing them to come up with more preferable policy decisions in the future.  **Keywords:** *Online Education, Traditional Education, Tourism Students, Educational Management* | |

| **6** | The Relationship between PAUD Head Supervision Competence and Teacher Performance in Early childhood education |
| --- | --- |
| Mutoharoh1 Achmad Hufad 2  Isti Rusdiyani 3  Sultan Ageng Tirtayasa University Serang1, 3, Indonesia1, 3  Indonesian University of Education2  7782200019@untirta.ac.id  This study aims to determine the relationship between the competence of the head of PAUD academic supervision and the performance of PAUD educators. The type of research used is correlation research to determine the relationship between the academic supervision competence of the PAUD head and the performance of PAUD educators. The population is Formal and Non-formal PAUD Educators and Education Personnel, totaling 320 people. The research sample amounted to 30 respondents with a random sampling technique. Data collection techniques using a questionnaire in the form of a google form. The results showed that the academic supervision competence of the head of PAUD has a significant relationship with the performance of PAUD educators with a correlation value of 0.704. This is evidenced by the correlation test with an r value of 0.704 greater than r table count at a significant level of 5%, namely 0.361 (0.704 > 0.361). The result of the calculation of the coefficient of determination (R Square) is 0.496. This shows that the relationship between the academic supervision competence of the head of PAUD and the performance of PAUD educators is 49.6% while the remaining 50.4% (100% - 49.6%) is influenced by other variables not included in this study. So the better the academic supervision competence of the PAUD head, the better the performance of educators in PAUD, Kramatwatu District, Serang Regency, Banten Province.  **Keywords:** *Academic Supervision Competence, PAUD Educator Performance* | |

| **7** | An Android-Based English Vocabulary Learning Application for The First Grade of Elementary School Students |
| --- | --- |
| Siska Lidya Revianti1  Andre Pramudjianto2  Indra Yatini Buryadi3  Dini Fakta Sari4  The Digital Technology University of Indonesia1234  siskalidya@utdi.ac.id1  andreold192@gmail.com2  indrayatini@utdi.ac.id3  dini@utdi.ac.id4  Early age is a golden period because it is the most crucial period in forming the basics of personality, intelligence, and social skills. Providing educational stimuli at an appropriately early age is necessary to ensure that every child achieves optimal development in every aspect of intelligence. Language is one aspect of intelligence that must be learned. Therefore, the introduction of English as one of the international languages ​ from an early age is highly recommended. The introduction to English in kindergarten or elementary school can be in the form of introducing vocabulary, especially regarding basic themes, for example, objects, numbers, colors, animals, fruits, and vegetables.  This study aimed to design an Android-based learning application using YouTube's Application Programming Interface (API) technology which was built using the Kotlin programming language. This YouTube’s API technology was used to display learning videos that have been adapted to the themes listed from the Elementary School curriculum. Extensible Markup Language (XML) was used as the interface, and the database technology used a firebase real-time database.  This English vocabulary learning application, called English Vocabulary, contains nine primary themes: numbers, objects, animals, fruits, vegetables, transportation tools, body parts, names of days, and names of months. The themes in this application were presented in a structured manner with an attractive appearance. Teachers can act as admins who have access to add and remove videos with certain themes. This learning application has generated the students’ interest in learning English in a fun way.  **Keywords:** *Learning English Vocabulary, YouTube’s Application Programming Interface (API), Android, Firebase, Kotlin*   | **8** | The Development of Electronic Student Worksheets (E-LKPD) Based on Scaffolding of Energy Material in Life System Class VII | | --- | --- |   Risky Nur Indahsari1  Daimul Hasanah2  Ani Widyawati3    Universitas Sarjanawiyata Tamansiswa Yogyakarta1, 2, 3, Indonesia1, 2, 3  riskynurindahsari730@gmail.com1  daim\_alhasan@yahoo.co.id2  ani.widyawati@ustjogja.ac.id3  The study aims (1) to develop,(2) to determine the feasibility, and (3) to determine the students’ responses of electronic student worksheets (E-LKPD) based on scaffolding of energy material in life system class VII . This study uses the research method of developing the instructional design ADDIE model which includes analyze, design, development, evaluation stages. This research only reached the development stage. This research was polited in class VIII . Data collection techniques used in observation, interviews, and questionares. There were 10 students who filled out the response questionares. The data analysis technique used in this research is V Aiken and descriptive statistical data analysis techniques with a likert scale. The results show that (1) has been produced electronic student worksheets (E-LKPD) based on scaffolding to increase of energy material concepts in life system class VII , (2) has a validity value of 0,86 with category od “high validity”, (3) students said that the E-LKPD IPA is interesting with the proportion of student responses as a whole of 85,56.  The conclusion of this study is that a E-LKPD based on scaffolding of energy material in life system class VII is feasible to use. Students gave an intersted response to the developed E-LKPD IPA.  **Keywords:** *Liveworksheets, Scaffolding, Conceptual understanding, Electronic Student Worksheet* | |
| **9** | Written Corrective Feedback: Varying Perspectives and their Implications to Classroom Practices |
| Maria Corazon Saturnina A. Castro  Universitas of the Philippines  macastro1@up.edu.ph  Error correction is one of the most contentious and misunderstood issues in both foreign and second language teaching. Despite varying positions on the effectiveness of error correction or the lack of it, corrective feedback remains an institution in the writing classes. Given this context, this action research endeavors to survey prevalent attitudes of teachers and students toward corrective feedback and examine their implications to classroom practices. This paper poses the major problem: How do teachers’ perspectives on corrective feedback match the students’ views and expectations about error treatment in their writing?  Professors of the University of the Philippines who teach composition classes and over a hundred students enrolled in their classes were surveyed. Results showed that there are differing perceptions of teachers and students regarding corrective feedback. These oppositions must be addressed as they have implications to current pedagogical practices which include constructing and establishing appropriate lesson goals, using alternative corrective strategies, teaching grammar points in class even in the tertiary level, and further understanding the learning process.  **Keywords:** *Writing Errors, Corrective Feedback, Classroom Practices, Teaching Strategies* | |

| **10** | Going Beyond the EFL Teachers’ Beliefs on Authentic Assessment: Reframing the Five-Dimensional Approach |
| --- | --- |
| Rozanah Katrina Herda1  Ima Widyastuti2  Maria Corazon Saturnina A. Castro3  Angga Damayanto4  Universitas Mercu Buana Yogyakarta1, Indonesia1  Universitas Sarjanawiyata Tamansiswa2, Indonesia2  University of the Philippines3, Philippines3  Universitas Negeri Yogyakarta4, Indonesia4  rozanah@mercubuana-yogya.ac.id1  The 21st-century EFL teachers should focus more on students’ real performance, and authentic assessments become the most suitable assessment type that demonstrates students’ knowledge to perform real-world tasks in their real and meaningful context. The objectives of this qualitative study were to reveal the teachers’ beliefs in authentic assessment and propose an authentic assessment model adapted to Gulikers et al.'s five-dimensional framework (2004). This study involved 37 EFL teachers in Indonesia from three education levels. The data were collected through a close-ended questionnaire made online and then analyzed using descriptive statistics. The findings of this study showed that teachers believed in the urgency of authentic assessment and the need to have a guideline that could be used to design appropriate authentic assessments. Additionally, by linking up to the need on how to design an ideal authentic assessment, the writers proposed a framework that did not only focus on the result but also considers the important elements in designing an authentic assessment that not many teachers know. Hopefully, the proposed framework will benefit educators, practitioners, and researchers who need new insight into dealing with the procedure to conduct an authentic assessment for their students.  **Keywords:** *Authentic assessment, Students’ performance, Five-dimensional framework* | |

| **11** | Strategies for Entrepreneurs with Disabilities Based on Porter’s Model |
| --- | --- |
| Martin Flemming Panggabean1  Hudhoodha Wahed2  Yuyun Yulia3  Khazar University1,2, Azerbaijan1,2  Universitas Sarjanawiyata Tamansiswa, Indonesia3  [mfpanggabean@gmail.com1](mailto:mfpanggabean@gmail.com1)  According to Socio-Economic Survey (Susenas) March 2019, Indonesia has more than 23.3 million people with disabilities. These disabled people always experienced difficulties in finding a job and had a higher risk of losing their jobs and experienced greater challenges to return to work during the economic recovery period amid the pandemic of Covid 19. People with disability usually are at higher risk of experiencing limited opportunity not only to access education but also lower levels of employment, and higher poverty rates. As the results, the people with disability also experience various barriers to social and economic inclusion in society. Therefore, it is really important to create an ecosystem which can help to create an inclusive economy, especially for people with disabilities. Furthermore, it is imperative to empower a decent and inclusive self-employment in order to ensure their access to the world of work. This issue becomes crucial because Indonesia is projected to gain bonus demography, where the population of productive age will reach its unprecedented peak by 2020-2035. Entrepreneurship can be an alternative solution for people with disabilities to open their own businesses because it is still difficult to work and there are still few alternative jobs that can be done. The purpose of this study is to explore the strategy development of startup business competitiveness for entrepreneurs with disabilities. This study adopts Porter‘s Diamond Model as a theoretical framework to evaluate competitiveness of the startup industry in a more comprehensive and strategic way.  This paper concludes by discussing managerial implications for industry and government.  **Keywords:** *Disabilities Diamond model, Entrepreneur Competitiveness* | |

| **12** | Contribution of organizational activity to Teacherpreneur student teacher candidates |
| --- | --- |
| Lidia Pilkita1  Siti Mariah2  Desy Tri Inayah3  Universitas Sarjanawiyata Tamansiswa, Indonesia1-3  [lidiaplikita@gmail.com](mailto:lidiaplikita@gmail.com) [siti.mariah@ustjogja.ac.id2](mailto:siti.mariah@ustjogja.ac.id2)  The purpose of this study was to determine the contribution of organizational activity to teacherpreneur students of the Faculty of Teacher Training and Education, Universitas Sarjanawiyata Tamansiswa. This type of research is quantitative descriptive with a student population who is active in the management of student organizations in the 2021/2022 academic year. This study used a purposive sampling technique of 55 active students and a questionnaire to collect data that was tested for validation with a product moment error rate of 5%, obtained 19 valid items of organizational activity instruments and 30 teacherpreneur items were declared valid. Reliability test with Cronbach's alpha coefficient of organizational activity is 0.912 and teacherpreneur is 0.899. This study uses descriptive statistical analysis techniques, validation tests, analysis prerequisite tests, and hypothesis testing. Research results 1) Organizational activity contributes 36.2% to student teacherpreneur with teacherpreneur level in the good category and organizational activity level in the very active category. Students who are active in organizations can become teacherpreneurs who are confident, creative, innovative, result-oriented and future-oriented, willing to take risks, leadership, and able to develop themselves in a sustainable manner to achieve goals and improve the quality of education.  **Keywords:** *Teacherpreneur, Organizational activity, Student teacher candidates* | |

| **13** | Students’ Self-Consciousness of Comic Strips as Teaching Aids in Narrative Writing Subject Matter |
| --- | --- |
| Lilies Youlia Friatin1  Mark Joren Awa Caberos2  English Education Program, Universitas Galuh1, Indonesia1  Institute of Teacher Education, Gov. Alonso D. Tan College2, Philippines2  liliesyouliafriatin@gmail.com  The use of comic strips as teaching aids for narrative writing is the subject of this study. This study used comic strips in the context of narrative writing to examine students' feelings of self-consciousness. The researcher conducted a case study to gather qualitative information for this study. Questionnaire was used as research instrument in this study. The form of the questionnaire used by the researcher is a close-ended question with a short rating questionnaire (strongly agree, agree, neutral, disagree or strongly agree) which is consist of ten of statements. To analyze the data, the researcher used the formula of the computation which suggested by Hatch & Larazaton (1991) for calculating the data to be a percentage of each student's response to each questionnaire item by presenting them into the table and then described it, the questionnaire was examined. The findings indicate that using comic strips as teaching aids for the narrative writing curriculum is well received by the students.  **Keywords**: *EFL Classroom, Teaching Aids, Comic Strips, Self-consciousness* | |

| **14** | The use of the Think Pair Share (TPS) Cooperative Model with LKS with Mind Maps on Biology Learning Competencies for Class X SMAN Airpura |
| --- | --- |
| Asti Febrina1  Dody Dores2  Politeknik Negeri Sambas1, Indonesia1  Universitas Terbuka2, Pontianak2,, Indonesia2  [astifebrina02@gmail.com1](mailto:astifebrina02@gmail.com1)  his type of research is a quasi-experimental research, which uses the Randomized Posttest Only Control Group design. The research population was all students of class X SMAN Airpura in the second semester of the 2021/2022 academic year as many as 6 classes, while the sample was class X4 as the experimental class and class X5 as the control class which was taken using the Purposive Sampling technique. The instruments used are objective tests for cognitive domain competencies, and observation sheets for affective and psychomotor competencies. Based on the results of the study, the biology learning competence of students with TPS-type cooperative learning with mind maps was better than students with conventional learning with mind maps. Evidently, the average value of the cognitive domain of the experimental class students was 74.92, while the control class was 65.42. The average value of the affective competence of the experimental class students was 91.50, while the average value of the control class students was 70.57. The average value of the psychomotor competence of the experimental class students was 88.70, while the average value of the control class students was 67.50. Based on the results of the study, it can be concluded that the cognitive, affective and psychomotor learning competencies of students in the TPS type cooperative learning model with mind map content are higher than conventional learning with mind map content worksheets.  **Keywords**: *Think Pair Share, Kompetensi, LKS* | |

| **15** | Implementation of Kampus Mengajar as A Means of Soft Skill Development |
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| Alfiatul Maulida1  Bernadetta Diansepti Maharani2  Zaizafun Sintarana3  Princessa Rakhita Enadi4  Regine Aguilar Principe5  Universitas Sarjanawiyata Tamansiswa1, 2Indonesia1, 2  Universitas Ahmad Dahlan3, Indonesia3  Universitas Negeri Semarang4, Indonesia4  Famy National Integrated High School  Laguna, Philippines5  alfiatulmaulida@ustjogja.ac.id1  This study aimed to determine how far the implementation of Kampus mengajar was able to improve students' soft skills. This qualitative descriptive study uses survey methods and Likert scale 4 questionnaires. The results of this research state that the existence of a teaching campus improves student learning outcomes soft skills Communication Skills, Commitment, Detail Orientation, Entrepreneur Skills, Flexibility, Integrity, Leadership, Lifelong Learning, Motivation, Self -Confident, dan Thinking Skills.  [**Keywords:** *Soft Skill, Kampus Mengajar, Implementation*](http://jurnal.ustjogja.ac.id/index.php/incotes/article/view/5926) | |

| **16** | Softskill Improvement Through Business Feasibility Analysis to Minimize Bankruptcy of Micro, Small, and Medium Enterprises |
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| Alfiatul Maulida1  Nur Anita Chandra Putry2  Risa Puspitas Sari3  Icha Sulaeman4  Universitas Sarjanawiyata Tamansiswa1,2,3,4, Indonesia1,2,3,4  alfiatulmaulida@ustjogja.ac.id1  The Community service Entrepreneurship Development Program is intended for students who are interested and are starting a business, but the perpetrators or prospective MSME actors are still having difficulties in literacy and skills to develop businesses so they don't go bankrupt. Thus, many of the MSME actors or prospective MSME actors are confused and even desperate to analyze their business and must use it so that their business develops. The existence of this activity is expected to increase literacy and entrepreneurial skills through lectures and training on Business Feasibility Analysis to Minimize Bankruptcy of Micro, Small, and Medium Enterprises. So that it will produce new MSME actors who are competitive and ready.  **Keywords:** *Eligibility, Business, Bankruptcy, MSME* | |

| **17** | Commitment and Resilience of Public and Private High School Teachers in Yogyakarta, Indonesia |
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| Titik Muti’ah1  Indriyati Eko Purwaningsih2  Juni Sungsang Prakosa3  Jhonnel J. Abalajon4  Universitas Sarjanawiyata Tamansiswa123, Indonesia123  Capiz State University Sigma Satellite College4, the Philippines4  [titik@ustjogja.ac.id](mailto:titik@ustjogja.ac.id)1  indriyati@ustjogja.ac.id2  The Community service Entrepreneurship Development Program is intended for students who are interested and are starting a business, but the perpetrators or prospective MSME actors are still having difficulties in literacy and skills to develop businesses so they don't go bankrupt. Thus, many of the MSME actors or prospective MSME actors are confused and even desperate to analyze their business and must use it so that their business develops. The existence of this activity is expected to increase literacy and entrepreneurial skills through lectures and training on Business Feasibility Analysis to Minimize Bankruptcy of Micro, Small, and Medium Enterprises. So that it will produce new MSME actors who are competitive and ready.  **Keywords:** *Eligibility, Business, Bankruptcy, MSME* | |

| **18** | Representation of Character Education Values Based on Lickona’s Perspective in English Textbook at Indonesian Elementary School |
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| Banun Havifah Cahyo Khosiyono1  Siti Rochmiyati2  Imam Ghozali3  Muhamad Fajarudin4  Aziz Murof Suharyanto5  Universitas Sarjanawiyata Tamansiswa12345, Indonesia12345  [banun@ustjogja.ac.id](mailto:banun@ustjogja.ac.id)1  [rochmiyati\_atik@ustjogja.ac.id](mailto:rochmiyati_atik@ustjogja.ac.id)2  [imamghozali@ustjogja.ac.id](mailto:imamghozali@ustjogja.ac.id)3  The context of this study is the Society 5.0 period in the field of education. Children’s education begins in elementary school. All human potential must be developed via education if people are to develop into people who can uphold moral principles. As a result, the Indonesian government is creating primary school textbooks that may include moral principles into the teaching and learning process. This research looked in character education from Lickona's perspective in English textbooks at the 4th grade Indonesian Elementary school. Descriptive qualitative research of this kind includes steps of data gathering, data reduction, data presentation, and conclusion-making. The result shows that English Textbooks for Fourth Grade Elementary School Students Curriculum Merdeka apply characters based on Lickona's perspective from all aspects, although not every chapter has each character aspect based on Lickona's perspective.  [**Keywords:** *Character Education, English Textbook, Elementary School, Lickona Perspective*](http://jurnal.ustjogja.ac.id/index.php/incotes/article/view/5924) | |

| **19** | Representation of Character Education to Realize Pancasila Student Profile of Indonesian Textbook in Elementary School |
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| Siti Rochmiyati 1  Banun Havifah Cahyo Khosiyono2  C. Indah Nartani3  Anik Dwi Nurmawati 4  Astrin Hamida5  Cantika Pangestuningtyas6  Universitas Sarjanawiyata Tamansiswa12345, Indonesia12345  [rochmiyati\_atik@ustjogja.ac.id](mailto:rochmiyati_atik@ustjogja.ac.id)1  [banun@ustjogja.ac.id](mailto:banun@ustjogja.ac.id)2  cindahnartani@gmail.com3  The background of this research is facing the era of Society 5.0 in the world of education. Elementary School as the basis of children's education. Education must play a greater role in building individuals capable of implementing the character and values of Pancasila. Therefore, the Indonesian government has developed an elementary school textbook that is able to realize Pancasila Students profile. The purpose of this study is to evaluate character education to realize Pancasila Student Pofile of Indoensian Textbook in the 4th grade of Indonesian Elementary School. This type of research is descriptive qualitative with stages of data collection, data reduction, data presentation, and drawing conclusions. Indonesian textbooks for fourth grade elementary school students, the Merdeka curriculum, apply the Strengthening of the Pancasila Student Profile from all aspects, although not every chapter has each aspect of the Pancasila Student Profile.  **Keywords:** *Character Education, Indonesian Textbook, Elementary School, Pancasila Student Profile* | |

| **20** | Identification of Stakeholder Roles in The Beef Halal Logistics Process at Purwokerto Slaughterhouse |
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| Nabila Noor Qisthani1  Syarif Hidayatuloh2  Yulinda Uswatun Kasanah3  Miftahol Arifin4  Institut Teknologi Telkom Purwokerto1,2,3,4, Indonesia1,2,3,4  nabila@ittelkom-pwt.ac.id1  The halalness of a product is an important thing and is starting to get much attention from customers today. It is because awareness of the importance of halal products consumed by Muslims is crucial. Many factors, including logistic factors, cause the halalness of a product. Many stakeholders are involved in the beef supply chain to produce halal beef. This study will identify stakeholders who play a role in the slaughtering process and inbound and outbound logistics of beef at the Purwokerto Slaughterhouse. Five main stakeholders have a role in producing halal and tayyib beef: cow transporters, veterinarians, halal butchers, carcass transporters, and beef haulers.  **Keywords:** *Halal Logistic, Beef, Stakeholder* | |

| **21** | Application of Binary Logistic Regression Analysis Method with SPSS Statistics 22.0 in Predicting Factors Affecting the Long of Study |
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| Dian Yulis Wulandari1  Ismaraidha2  Ocdy Amelia3  Universitas Pembangunan Panca Budi123, Indonesia123  dianyulis@dosen.pancabudi.ac.id1  Binary logistic regression is a statistical method that analyzes the relationship between response or independent variables that have two or more categories with explanatory or dependent variables on a dichotomous scale (2 categories). Determination of the binary logistic regression model in addition to the usual calculation method can also use the help of IBM SPSS 22.0. The purpose of this study is to provide information on the stages in managing data related to the Binary Logistics Regression Model using IBM SPSS 22.0. In this study, the examples of cases that were analyzed were the factors that influenced the length of the study period. The response variables (independent) that affect the length of the study period in this study are academic ability, motivation, environment, lecturers, physical condition, mentality, interests, talents, learning methods, intelligence (IQ), and study time. The sample in this study used the sample clustering method, totaling 54 respondents, and came from lecturers, employees, and students at the Panca Budi Development University. The method used is a survey using a questionnaire. Based on the results of the analysis in this study, the variable with the category of intelligence (IQ) has a partial influence on the dependent variable for the length of the study period. Simultaneously the independent variable affects the dependent variable by 41.5% and the rest is influenced by other factors. The accuracy of calcification in predicting the relationship between the independent variable and the dependent variable was 79.6%.  [**Keywords:** *Length of the study period, Binary Logistics Regression, Intelligence*](http://jurnal.ustjogja.ac.id/index.php/incotes/article/view/5939) | |

| **22** | Building Student Character Through Positive Discipline |
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| HT Gita Prima Agusta  SMK Negeri 2 Lubuklinggau, Indonesia  Prima.gita460@gmail.com  Character education in schools becomes an urgency because children and adolescents go through a long period of education at school. The impact of online learning has increased the number of declines in student character values and the solution to these character violations and deviations is carried out using a positive discipline culture through the restitution triangle. The teacher has 5 control positions in the school (1) Punisher, (2) Originator, (3) Friend, (4) Monitor and (5) Manager.  **Keywords:** *Discipline positive, Restitution, Teacher control position* | |

| **23** | Analysis of Hots-Based Assessment Instruments For Science Subjects |
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| Evi Hikmah Nurchayati1  Yuli Prihatni2  Rahayu Retnaningsih3  Universitas Sarjanawiyata Tamansiswa123 , Indonesia123  [evihikmah2018@gmail.com](mailto:evihikmah2018@gmail.com)  This study discusses the analysis of the Higher Order Thinking Skill (HOTS) Instrument for Science Subjects for Class IX. The activity aims to determine the appropriate and standard HOTS instrument for science subjects for grade IX students to measure higher-order thinking skills. This study uses research and development research. The stages of research and development of the HOTS instrument in this study are: (1) Research and information gathering stage, (2) planning, (3) Initial product development, (4) Limited product trial, (5) Product revision, (6 ) Field trials, (7) Final product revision. Data analysis used qualitative and quantitative analysis to determine the quality of the HOTS instrument in terms of valid, reliable, discriminatory index, difficulty index and distractor quality criteria. The final result of the development shows that the HOTS instrument in the form of multiple choice questions with 24 items is feasible to use. The HOTS instrument was declared valid based on the expert's assessment with the results of the Aiken validity being more than 0.8 in the very valid category. The HOTS instrument has a difficulty level dominated by 50% of moderate questions, 70% of the discriminating power of items including having adequate discriminating power, and the effectiveness of the distractor as much as 47.5% of the questions are in the good and very good categories and the reliability is 0, 85 in the very high category.  **Keywords:** *HOTS, Research and Development* | |

| **24** | Increasing Organizational Commitment in Dinas Koperasi Usaha Kecil dan Menengah, Perindustrian dan Perdagangan Kabupaten Bantul Through Transformational Leadership, Work Involvement, and Intrinsic Motivation |
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| Epsilandri Septyarini  septyariniepsilandri@gmail.com  This study aims to determine the effect of transformational leadership, work involvement, and intrinsic motivation on the organizational commitment of the Dinas Koperasi Usaha Kecil dan Menengah, Perindustrian dan Perdagangan Kabupaten Bantul.  The population and samples used in the study were all employees of the Dinas Koperasi Usaha Kecil Dan Menengah, Perindustrian Dan Perdagangan Kabupaten Bantul, amounting to 75 people using the saturated sample method. Methods of data collection using questionnaires. With the help of SPSS 26 as an analysis of the data quality test using validity and reliability tests. The data analysis technique used a classical assumption test, normality test, multicollinearity test, and heteroscedasticity test. Hypothesis test using R² test, T-test, and F-test.  The results showed that the transformational leadership style had a positive and significant effect on organizational commitment. Employee work involvement does not affect organizational commitment. Intrinsic motivation has a positive and significant effect on organizational commitment. Simultaneously, transformational leadership style, employee job involvement, and intrinsic motivation have a positive and significant effect on organizational commitment. It can be concluded that the transformational leadership style, employee work involvement, and intrinsic motivation have a positive and significant impact on the organizational commitment of the Dinas Koperasi Usaha Kecil dan Menengah, Perindustrian dan Perdagangan Kabupaten Bantul.  **Keywords:** *Transformational Leadership, Job Engagement, Intrinsic Motivation, Organizational Commitment* | |

| **25** | **Portrait of Scientific Publication of Teachers of SMK N 3 Yogyakarta** |
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| Agustina Sri Purnami1  Suyono2  Veni Sucahyani3  Goutam Majhi4  Universitas Sarjanawiyata Tamansiswa1,2,3, Indonesia1,2,3  University of Calcuta, India4  purnami@ustjogja.ac.id1  suyono@ustjogja.ac.id2  veni.sucahyani@yahoo.com3  goutammajhi78@gmail.com4    Teachers as professionals, in carrying out their duties, are required to carry out continuous professional development. As a professional teacher, it is obligatory to publish scientific publications in the form of research results or ideas for formal education. The background of the problem in this research is the teacher's weakness in scientific publications. These weaknesses are partly due to: weak teacher motivation in writing, lack of reading, lack of writing culture in schools, lack of teacher language skills, and unsystematic thinking. The purpose of this study is to uncover the basic problems that cause teachers at SMK Negeri 3 Yogyakarta, then the solution will be sought. The stages of the research method carried out are exploratory studies on the problems encountered. Data collection techniques with questionnaire techniques and interview techniques. The data obtained were then triangulated, followed by data analysis. The data analysis technique used is according to Miles and Huberman in Sugiyono (2013: 404). Data analysis in this study was carried out through (1) data reduction, (2) data presentation, (3) data verification, and (4) drawing conclusions, and checking the validity of the data through triangulation. The results of the study (1) more than 90% of teachers understand and understand the duties of professional teachers; (2) 73.5% of teachers sometimes have difficulty carrying out sustainable development; (3) More than 90% of the teachers feel happy when research assistance is carried out up to the research output. The conclusion of the research is that teachers are stuck in routine activities, teachers do not have time for professional development, especially scientific publications. The most interesting finding is that the teachers already feel comfortable with the current conditions and do not have the motivation to develop.  **Keywords:** *Scientific Publications, Teachers, Motivation*   | **26** | The Philosophical Meanings Contained in The Serat Sari Swara (Especially the Wasita Rini Song) By Ki Hadjar Dewantara | | --- | --- | | Akbar Al Masjid1  Sumarlam2  Retno Winarni3  Budhi Setiawan4  Arya Dani Setyawan5  Endah Marwanti6  Universitas Sarjanawiyata Tamansiswa1,5,6, Indonesia1,5,6  Universitas Sebelas Maret2,3,4, Indonesia2,3,4  almasjida@ustjogja.ac.id1  Serat Sari Swara is an old literary work (1930) written directly by KHD using Javanese script and in Javanese in the form of tembang (poetry genre). This study of old literary works is important because it is an intellectual heritage of the work of the Father of the Indonesian National Education (KHD), which contains many moral and philosophical teachings that are useful as lessons and knowledge for the current generation. The data analysis method used is the content analysis method through the perspective of literary interpretation. The primary data source of this research comes from the Serat Sari Swara script, especially the Asmaradana Wasitarini songs. The results of the research on the philosophical meaning of the Asmaradana Wasita Rini song are about advice and teaching to women in fighting for their rights to obtain gender equality and women's independence, as well as the dedication of women (wives) to men (husbands) so that they can live in harmony and happiness. In detail, the contents of Wasita Rini's philosophical meaning are as follows: 1) teachings to women to always maintain the norms of decency and decency; 2) Protect themselves and their honor; 3) Women need to be respected and respected and do not like being treated arbitrarily; 4) can control themselves; 5) A woman must be conscientious and good at sorting out good and bad things; 6) Women must have the intelligence of creativity, taste, and intention (morals).  **Keywords:** *Philosophical Meaning, Serat Sari Swara, Wasita Rini’s Song, Content Analysis* | | | |

| **27** | Indonesia Language Policies on Colonial and Postcolonial:Improving the function of Indonesian language |
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| Juanda1  Zamzani2  Pangesti Wiedarti3  Cintya Nurika Irma4  Universitas Negeri Yogyakarta123, Indonesia123  Universitas Sebelas Maret4, Indonesia4  [juanda.unsa@gmail.com](mailto:juanda.unsa@gmail.com)  Indonesia country has about 650 million population and 704 regional languages. It clearly considers national languages and an official language as a tool of communication between inter-regions and governmental administration. Besides that, the Government of Indonesia attempts to improve the function of Indonesian language (Bahasa Indonesia) as Graddol’s hypothesis which estimates it into the regional language by 2020. This paper discusses Bahasa Indonesia (Indonesian language) policy from the pre to colonial stage (Sriwijaya Kingdom, Portuguese, Vereenigde Oostindische Compagnie (VOC), French, England, Nederlands-Indië, and Japanese) and postcolonial stage (1945-2018), covers independence to reformation (1998-2018), regarding BIPA. The paper concludes that (1) the adoption of Bahasa Indonesia based on sociological factor, political factor, and synthesis language factor. (2) Indonesia has formulated language policy from macro to micro levels since colonial and postcolonial stage; Then, (3) there are five strategies to improve the function of Bahasa Indonesia, namely to use it in international forums, to develop the Bahasa Indonesia teaching for foreign speakers, to improve the linguistic and literary cooperation with abroad, to develop and empower Bahasa Indonesia learning at abroad, and other efforts. To reach those strategies, Agency for National Language (Badan Bahasa Nasional) designs Indonesian Language for Foreigner Program (Bahasa Indonesia bagi Penutur Asing, abbreviated BIPA), refers to Pancasila, The Republic of Indonesia Constitution 1945, the Republic of Indonesia Act No. 24/2009, the Republic of Indonesia Governmental Regulation No. 57/2014, and other regulations. Thus, Bahasa Indonesia has both explicit and implicit language policies.  **Keywords:** *Bahasa Indonesia,**BIPA, language policy* | |

| **28** | Literacy Design for Partner School in Freedom of Learning-Independent Campus (MBKM) |
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| Ima Widyastuti1  Victa Sari Dwi Kurniati2  Adhi Kusuma3  Didi Supriadi4  Mudimin5  Aura Victoria Noersadono6  Rifky Ramadhan7  Muhammad Rijalanavi8  Universitas Sarjanawiyata Tamansiswa1-4 & 7-8, Indonesia1-4 & 7-8  SD N Temuwuh5, Indonesia5  Ringling Arts College6, Florida6, the United State of America6  Ima@ustjogja.ac.id1  The current community service is the continuum of the previous similar activity entitled “Pendampingan Penelitian dan Publikasi Guru Sekolah Dasar Program Kampus Mengajar – Merdeka Belajar Kampus Merdeka” in 2021. On the current community service activity, the team invited Temuwuh 3 Primary School, Dlingo, Yogyakarta under the Teaching Campus Program, and one student of Ringling Arts College, Florida. Furthermore, the program also invited lecturers and university students to work collaboratively in designing seven books for learning reading Bahasa. Each book was designed one team by considering the master plan on Mari bermain kata. The current community service activity was depicted to the provide more benefit to the students Grade 1 who mostly faced difficulty in reading Bahasa.  **Keywords:** *Literacy, Bahasa, Grade 1 of Primary School* | |

| **29** | English Literacy Design for Partner School in Freedom of Learning-Independent Campus (MBKM) |
| --- | --- |
| Victa Sari Dwi Kurniati1  Adhi Kusuma2  Ima Widyastuti3  Poppy Indriyanti4  Nur Utami5  Indra Kurniawan6  Rahma Noor Izza7  Dwi Ananda Ramadani8  Universitas Sarjanawiyata Tamansiswa, Indonesia1-4 & 6-8  SMP N 13 Yogyakarta, Indonesia5  victasari@ustjogja.ac.id1  The school coverage expansion of the Teaching Campus – Freedom of Learning-Independent Campus (MBKM) to the junior high schools have done since 2021 in which some Teaching Campus agents were sent to the junior high school level across provinces in Indonesia. Regarding to the literacy, the prominent difference between the primary and junior high school level lays on the language. In the primary school level, Bahasa is the compulsory, while English is depicted to the extracurricular or local content subject. In contrast, in the junior high school level, English belongs to compulsory subject. However, due to the missing learning of English in the primary school level, many junior school students face difficulty in understanding English. The current community service activity attempts to assist the junior school teacher in designing a practical English learning by integrating the Teaching Campus agents.  **Keywords**: *English Literacy, Junior High School, Practice* | |

| **30** | English Acquisition Among Secondary Schools in Yogyakarta |
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| Adhi Kusuma1  Ima Widyastuti2  Victa Sari Dwi Kurniati3  Maria Corazon Saturnina A. Castro4  Universitas Sarjanawiyata Tamansiswa1,2,3, Indonesia1,2,3  Universitas of the Philippines4, Philippines4  adhikusuma@ustjogja.ac.id1  ima@ustjogja.ac.id2  victasaro@ustjogja.ac.id3  [macastro1@up.edu.ph4](mailto:macastro1@up.edu.ph4)  In a Foreign Language setting, the target language is not used widely in the society. It is mostly learnt and used in the classroom contexts. Consequently, learners do not have sufficient language input. As a result, learners are mostly reluctant in using their foreign language which leads to their language acquisition. One of possible strategies lays on the learners themselves in their target language learning strategies. The similar condition fits perfectly to English learners in Indonesia. This research aims to identify the language learning strategies the secondary schools’ students in Yogyakarta. The survey inventory of language learning (SILL) version 7.0 covering six categories’ strategies namely Memory, Cognitive, Compensation, Metacognitive, Affective, and Social is used to investigate the English language learning of the current research participants. The data taken from 115 participants from 3 targeted secondary schools in Yogyakarta. The result of the present study showed that from six categories of language learning strategy, there were no strategy used in the high level. As the analysis resulted on the Medium used (M between 2.5 to 3.4). This score indicated that all six of learning strategies are normally used by the students.  **Keywords**: *EFL Learners Language Learning Strategy, Secondary School* | |

| **31** | The Plural Marking Acquisition Among English Learners in Indonesia and Thailand |
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| Ima Widyastuti1  Victa Sari Dwi Kurniati2  Poppy Indriyanti3  Siti Rochmiyati4  Sikhorn Prasitsuwan5  Universitas Sarjanawiyata Tamansiswa1,2,3,4, Indonesia1,2,3,4  Thepsatri Rajabat University, Thailand5  ima@ustjogja.ac.id1  victasari@ustjogja.ac.id2  For your article title, please use 14-point bold font of the Times New Roman with an initial capital letter for proper nouns. The margin for the article title is to the center of the page. All the authors’ full names should be typed in 12-point bold size. The abstract heading is typed in 12-point bold while its content should be in 10-points italics. The abstract should be in range of 150 – 250 words covering the background of the study, the methodology, the main findings and the conclusions. Please include the 4-5 keywords with initial capitalized words separated with commas.  **Keywords**: *Plural marking, Acquisition, English Learners* | |

| **32** | Development of Science Worksheet Oriented on Marzono's Taxonomy to Improve High Order Thinking of Elementary School Students |
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| **Wahyu Kurniawati1 Wahyu Prihatiningsih2 Rahma Kurnia Novitasari3**  Universitas PGRI Yogyakarta1, Indonesia1  Universitas PGRI Yogyakarta2, Indonesia2  Universitas Negeri Yogyakarta3, Indonesia3  wahyukurniawati@upy.ac.id1  wahyuprihatiningsih18@gmail.com2  rahmakurmianovitasari@gmail.com3  *Higher order thinking skills are defined as the broad use of the mind to find new challenges. These higher thinking skills want him to apply new information or prior knowledge and utilize the information for possible answers in new situations. higher thinking skills include: Analyzing (C4), Evaluating (C5), and creativity (6). This research is based on observations, it is known that teachers have never developed HOTS-based worksheets, teachers only provide learning tools in the form of paper worksheets, where students know to fill out questions based on what they know. So that the learning and use of the WORKSHEET is felt to have weaknesses including students not completing the questions given. This study aims to find out how to develop HOTS-based worksheets in science learning. Data collection techniques were carried out using validation techniques to meet the needs of material experts, design experts, linguists and practitioners. The results of the study are: have developed HOTS-based worksheets in science learning. Based on the results, it can be said that the HOTS-based WORKSHEET in science learning is declared valid and does not require a significant overhaul so that it is very suitable to be used as teaching materials in learning.*  **Keywords**: *Science Learning, Thinking Skills, HOTS, Worksheet, Learning tools* | |

| **33** | **Will Customers Pay More for Green Products?** |
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| **Nonik Kusuma Ningrum, Putri Dwi Cahyani, Ratih Kusumawardani,**  **Dwi Endra Prasetyo, You is Nur Wahyudi, Eva Pradhita Arum Sari, and Agnes Regita Cahya**  *Universitas Sarjanawiyata Tamansiswa*  **Antonius Satria Hadi**  *Universitas Widya Mataram*  *This study addresses how environmental concerns affect the willingness of customers to pay more for green products. A quantitative approach with a survey was used to gather the data. This study result shows that only loyal customers with environmental concerns have the willingness to pay more for green products.*    ***Keywords****: environmental concern, eco-literacy, perceived customer effectiveness, customer loyalty, and willingness to pay more.* | |

| 34 | PASUSS (Simple Solar Panel) From Used DVD (Digital Versatile Disc)  As Insect Repellent on Agricultural Land |
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| Dinar Westri Andini, Handoyo Saputro, Wahyu Setya Ratri, Anang Sudigdo  1-4 Universitas Sarjanawiyata Tamansiswa  [dinar@ustjogja.ac.id](mailto:dinar@ustjogja.ac.id)  [hansputra131@gmail.com](mailto:hansputra131@gmail.com)  [agnes.wahyuratri@gmail.com](mailto:agnes.wahyuratri@gmail.com)  [anang.sudigdo@ustjogja.ac.id](mailto:anang.sudigdo@ustjogja.ac.id)  *Garbage is still a major problem. Especially related to electronic waste which is difficult to decompose and often causes problems. One of the electronic waste that can still be used as a simple solar panel material with the ability to absorb heat from solar energy is DVD. This study aims to explore unused DVD (Digital Versatile Disc) as an alternative to solar panels (monocrystalline). The research method used is through experimentation. The hope is to be able to test the innovation of simple solar panels to repel insects on agricultural land as a form of innovation*  *Keywords: DVD, Solar Panel, Agricultural* | |

| 35 | Teaching Factory Model Learning Management at Vocational School (SMK) Bina Karya1 Karanganyar-Kebumen |
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| ***Mulyanto1 , Mundilarno2, Welas Nugroho3***  *1-3 Universitas Sarjanawiyata Tamansiswa*  *mulyanto@ustjogja.ac.id*  *mundilarno@ustjogja.ac.id* *The objectives of this service were: 1) to analyze the learning model used in SMK Bina Karya1 . 2) to promote and analyze the extent to which the Teaching Factory Learning model has been applied at SMK BK1 Kebumen. 3) to analyze the supporting factors and inhibiting factors for the implementation of the Teaching Factory Learning model at SMK BK 1 Kebumen. The method used is a workshop with lectures and questions and answers. Abdimas Results 1. The learning model used at SMK BK 1 Karanganyar Kebumen still used the conventional learning model.2. The Teaching Factory Learning Model was applied after promotions were carried out during service by the UST team, including the establishment of a teaching factory business unit at SMK BK 1. 3. Supporting factors for implementing the teaching factory were the spirit of togetherness, the kinship of all school personnel, and practical facilities. quite adequate, and the school had established cooperation with several business and industry. The inhibiting factor for implementing the teaching factory was the lack of understanding of the teachers about the concept of teaching factory that could be implemented. The output from community service was in the form of articles in accredited national journals.* ***Keywords****: Teaching Factory learning model, supporting factors, inhibiting factors* | |

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| 36 | English language teaching media to accommodate students’ 21st century skills |
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| Yuyun Yulia  Universitas Sarjanawiyata Tamansiswa  [yuyun.yulia@ustjogja.ac.id](mailto:yuyun.yulia@ustjogja.ac.id)  T*he education revolution 4.0 has changed various aspects of life including education. The golden generation is the government's target in 2045, namely the generation of having good character. This should be a focus for educators to select and develop interesting learning media that can facilitate students to develop 21st century competencies such as collaboration, critical thinking, communication and creativity to solve problems in society. Unfortunately, the learning carried out after the Covid 19 pandemic has not yet maximized technology in teaching and learning. Technology as a means/media in the learning process to improve 21st century skills is still a difficult problem to solve. The selection of the right media to develop 21st century skills in students is still not fully capable of being done, this is evidenced by the use of less interactive and interesting media to attract students' attention.*  ***Keywords****: 21st century skills, critical thinking, collaboration, communication* | |

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| 37 | **Analysis of Democracy and Multicultural Education**  **Based on The Theory Of Ki Hadjar Dewantara: Study In Students of PGSD UST** |
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| ***Analysis of Democracy and Multicultural Education***  ***Based on The Theory Of Ki Hadjar Dewantara: Study In Students of PGSD UST***  ***Dwi Wijayanti1, Biya Ebi Praheto2, ,Wachid Pratomo3***  *1-3Universitas Sarjanawiyata Tamansiswa, 1Indonesia*  ***dwiwijayanti.ust@gmail.com1***  *Democracy and multicultural education are very relevant to Ki Hajar Dewantara's theory, namely the leadership trilogy (leadership democracy), Tri Ngo, the Among system (asih, asah, and asuh), and Panca Dharma. This research was conducted at PGSD UST Yogyakarta in June-September 2022 using a qualitative research method with a descriptive approach. Data were collected using observation, interview and documentation techniques. The data analysis steps include data presentation, data reduction, and conclusion drawing, while testing the validity of the data by increasing persistence, and triangulation. Democracy and multicultural education is carried out through integration in appropriate courses. There are 12 courses in the KKNI curriculum, and 15 courses in the Merdeka curriculum. Embedded democratic and multicultural values ​​include: Tolerance, Freedom of expression, Respect for differences of opinion, Understanding diversity in the classroom and campus environment, Open in communication, Upholding human values ​​and dignity, Confidence or not depending on others, Mutual respect and togetherness. The implementation of democratic and multicultural values ​​is also carried out through routine Thursday Pahing activities. This study shows that the factors that influence democracy and multicultural education in UST PGSD students include: not all courses are suitable for implementing democratic and multicultural values, not all lecturers are aware of and understand the importance of democratic values ​​for students, especially students as prospective teachers (education). , for lecturers of the science course group, the cultivation of multicultural values ​​is not going well, the very heterogeneous PGSD students coupled with primodialism is still firmly embedded in them, making the inculcation of democratic and multicultural values ​​not optimal. Efforts that have been made to overcome the problems are: creating a group of subject groups in charge of discussing the content of attitudes in the course RPS, workshops on the preparation of the RPS where the RPS that is compiled contains Tamansiswa teachings, the availability of supporting facilities, such as a dance laboratory, there are several competitions or activities who appreciate the work of students in the fields of art, culture, social, humanities and science and technology, the existence of workshops / seminars / workshops on the teachings of Tamansiswa (Ki Hadjar Dewantara).*  *Democracy education, multicultural, elementary school, Ki Hadjar Dewantara* | |

