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# Proceedings of the International Joint Conference on Arts and Humanities (IJCAH 2020)

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Welcome to the International Joint Conference on Arts and Humanities 2020 held by Universitas Negeri Surabaya. This joint conference features three international conferences: International Conference on Education Innovation (ICEI), International Conference on Cultural Studies and Applied Linguistics (ICCSAL), and International Conference on Research and Academic Community Services (ICRACOS). It encourages dissemination of ideas in arts and humanities and provides a forum for intellectuals from all over the world to discuss and present their research findings on the research areas. This

conference was held in Surabaya, East Java, Indonesia, on October 3-4, 2020.

Please click [here](#) for the conference website.

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International Joint Conference on Arts and Humanities (IJCAH) 2020 features three international conferences held by Universitas Negeri Surabaya (Unesa), Indonesia, they are International Conference on Education Innovation (ICEI), International Conference on Cultural Studies and Applied Linguistics (ICCSAL), and International Conference on Research and Academic Community Services (ICRACOS). The conference was held online on 4 October 2020. Organizing this event shows the commitment and acknowledgement of Unesa to research activities. It encourages dissemination of ideas in arts and humanities and provides a forum for intellectuals from all over the world to discuss and present their research findings on the research areas, as well as to build network with others. In addition, this conference certainly helps

improve scientific publication of researchers.

This conference has attracted much attention from scientific community. There are 611 review and research-based papers submitted in the conference. The papers have a wide range of topics, namely education, arts, and social sciences. Out of the submitted papers, 249 papers were selected to be published by Atlantis Press. The authors vary from ten (10) different countries; they are Australia, Pakistan, Iraq, Malawi, China, Philippines, Singapore, Thailand, Malaysia, and Indonesia. The selection was based on the results of the rigorous review of the papers by two referees for each paper who focused on the format, language use, and contents. Hopefully, the scientific papers can provide invaluable insights on those very important topics.

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## Proceedings Article

### Transformative STE(A)M Education for A Sustainable World

Peter C. Taylor

Students of the natural sciences learn to understand objectively and reductively the world out there – at arm's length - the world of naturally occurring systems. However, this materialistic worldview has not only fueled the 4th Industrial Revolution but has also triggered the Anthropocene, an unprecedented...

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### Proceedings Article

## Securing a Nutrition-Conscious Young Generation Through A School Based Intervention: The SEAMEO RECFON Nutrition Goes to School Program Experiences

Jesus C. Fernandez

Malnutrition is a global and multisectoral concern that affects human capacities to contribute to national development. Efforts to speed up national economic growth and reduce social problems toward creating a conducive living environment for all would require quality human resources that are forward-looking,...

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### Proceedings Article

## Sources of Acculturative Stress and Coping Strategies Among Asian International Students in China

Flemmings F. Ngwira, Victor Chikoti, Wellman Kondowe, Wulan P. Saroinsong

This study aimed to identify sources of acculturative stress and the coping strategies among Asian international students in Hubei, China. A total sample of 162 students from China's neighboring countries was recruited to complete

the study's online questionnaire. A 36-item questionnaire called the Acculturative...

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### Proceedings Article

## Overthinking Hurts: Rumination, Worry and Mental Health of International Students in China During Covid-19 Pandemic

Samrah Jamshaid, Najma I Malik, Adnan A. Haider, Kamran Jamshed, Saba Jamshad

After the COVID-19 pandemic outbreak in China, many international students stuck there due to lockdown or quarantine. Their friends and family members got infected by the Corona virus and some died; which affected mental health by worry and ruminative thoughts. The present study was conducted to explore...

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## Contribution of Geographic Education in Growing Students' Character of Environment

Amin

This study aims to analyze three things, namely: First, how students concern about the environment; Second, how the role of geography learning in fostering environmental care for students; and Third, how the influence of socio-cultural, psychological and demographic factors on spiritual intelligence...

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### Proceedings Article

## Implementation of Strategic Management in Improving Professionalism of Vocational High School Teachers in East Java - Indonesia

Muhammad A. Ichwanto, Abd. Basith, Andi Syahputra

This research aims to know and analyze factors that affecting professionalism of vocational high school in east java. This study will focus and explained in (1) how is the Vocational High School Teacher Professionalism in East Java – Indonesia; and (2) how the implementation of strategic management in...

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### Proceedings Article

## English Academic Writing Skills of Online News: A Study of English Course on Chinese and Kurdish Students

Brwa A. Sidiq, Wulan Patria Saroinsong

The aim of this study was to investigate students' perception of Kurdish and Chinese editorial writing, and find out the differences of linguistical complexity between those editorials. Methods of this study were quantitative approaches, using descriptive and inferential statistics to describe the reporting...

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**Proceedings Article**

## Development of Mobile Learning Based on Socio Technology Approaches in Reduction and Oxidation

Ucu Cahyana, Agung Purwanto, Yuanita M. H. Adawiyah

This study aims to develop mobile learning with socio technology approach on Reduction and Oxidation (Redox) topic and to know the feasibility of media produced. Mobile learning was tested at SMAN 11 BEKASI from Januari to Mei 2020. Reserach and development method by Borg and Gall used by modifying five...

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**Proceedings Article**

## The Classroom Teaching Analysis A New Concept in Pedagogy Using Video Footage of Practice-Based

Ira Darmawanti

A video is a powerful tool in analyzing teaching in class. However, the use of video footage of practice-based that has already existed in a teacher education institution still lacks to be investigated. The study aims to give broader knowledge and a better understanding that video footage of practice-based...

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**Proceedings Article**

## Using Worked Examples During Geometry Instructions

Nur Irfani, Endah Retnowati

Geometry usually learn in grade seventh and grade eighth on Junior High School. In grade seventh usually study about line and angles. It is a new material for the students, so students can be call as novice learner and it make teacher must more pay attention how to teach the students about line and angles....

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#### Proceedings Article

### The Psychological Condition of Student in the Covid-19 Pandemic Era

Evi Winingsih, Hadi Warsito, Lilik Nursusilowati

The Covid-19 pandemic is sweeping the world. Change cannot be avoided, including in the world of education. Changes from various systems make researchers intend to determine the psychological resilience of students during a pandemic. There is a change that occurs suddenly whether it will affect the psychological...

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#### Proceedings Article

### Exploring Online Learning Experiences During the Covid-19 Pandemic

Khusnul Khotimah

This article describes the learning experiences of students in online learning during the Covid-19 pandemic. Qualitative observation methods and online interviews were conducted, to obtain information about online learning patterns that are often applied by lecturers; the platform is chosen, the media...

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### Proceedings Article

## Framing Learner's Verbal Report Data in Reading Comprehension; Uncovering the Cognitive Processes

Siti I. Savira, Anas Ahmadi

This study is aimed to analyze a particular learner's cognitive processes as the learner engages in a reading task. The data was collected primarily by think-aloud, while the interview was used as a complementary source. The think-aloud was conducted while the learner is engaged in a reading task. Therefore,...

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### Proceedings Article

## Learning Media Based on Computer Embroidery for Upgrading Skill of Fashion Student

Ma'rifatun Nashikhah, Gladis Gandini

Learning media is very important in the process of learning. In the past, embroidery learning only used manual machine and dynamo machine. The development of modern technology of embroidery could be done by media computer. Embroidery is the hand craft with the thread applied on fabric to follow the form...

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## The Influence of Teacher Performance and School Culture on School Quality

Mohammad S. Haq, Bayuk N. A'yun

This research aims to examine the influence of teacher's performance and school culture on the school quality. This research used a quantitative approach with ex post facto design. The population in this research is educators (teachers) as many as 66 people. Sampling techniques in this research use saturated...

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**Proceedings Article**

## Gender-Responsive Analysis Through Non-Formal Education

Alendra Y. Rahmi, Ani Safitri

This study aims to examine, analyze and describe the implementation of gender-responsive non-formal education through the family capacity building meeting (P2K2) for participants of the Hope Family Program (PKH) in the city of Bogor. Gender mainstreaming has become an actual issue in various studies,...

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## The Corporate Social Responsibility Program in Community Empowerment: Case Study of Micro, Small, and Medium Enterprises Mentoring Model

Dyah P. Sari, Wiwin Yulianingsih, Maria V. Roesminingsih

Micro, Small and Medium Enterprises (UMKM) actors are the major role in national economic development. Strategies and innovations in community empowerment efforts are important programs. Community empowerment can be implemented through the Corporate Social Responsibility (CSR) program. The purpose of...

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#### Proceedings Article

### Balinese Folklore Literacy as English Learning Material at Communication Studies, STAHN Mpu Kuturan Singaraja

AR Gusti Ayu Putu Diah Permata Sari

Balinese Folklore Literacy is educational media that inherited to the next generation. This media can be implemented as English learning material for university students in teaching English as Second Language. The study aimed at describing Balinese Folklore Literacy as English learning material at Communication...

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### The Implementation of the Forward Chaining Method to Enhance the Vocational Skill of Students With Mild Intellectual Disabilities

Endamg P. Sartinah, Titan J. Oktavian, Muhammad N. Ashar

This study aimed to determine the effectiveness of the forward chaining

method to improve the vocational skill among students with mild intellectual disabilities. This study applied a pre-experimental design, a one-shot case study research design. Research subjects included six students with mild intellectual...

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### Proceedings Article

## The Implementation of the Emotion Regulation Therapy for Students With Intellectual Disabilities

Rischa H. Zulfah, Asri Wijiastuti, Endang P. Sartinah

The aim of this research was describing the effect of the emotion regulation therapy in reducing the aggressive behavior among students with intellectual disabilities in the special senior high school. This research implemented the Single Subject Research design. Moreover, observations were implemented...

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## Development of Mobile Learning Application Based on Sociotechnology Approaches in Electrolyte and Nonelectrolyte Solutions

Ucu Cahyana, Afrizal, Indah Safitri

This study aims to develop mobile learning app based on a sociotechnology approaches on Electrolyte dan Nonelectrolyte Solutions and to know the feasibility of media produced. Mobile learning was tested at SMAN 1 Serang Baru Bekasi and SMAN 11 Bekasi from January to Mei 2020. The research method used...

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### Proceedings Article

## How to Integrate Batik Kenanga as a Learning Resource for Integrated Learning at Elementary School

Putri Rachmadyanti, Vivi Rahmawati, Kartika R. Adhe

The purposes of this study are to describe the content of the material contained in Kenanga Batik as one of the learning resources in Elementary School and then to find out how to integrate the content of Batik Kenanga material into Integrated Learning in Elementary Schools in according to the 2013 Curriculum....

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## The Parents' Role in Family Education During the Covid-19 Pandemic

Desika P. Mardiani, Soedjarwo, Gunarti D. Lestari

Covid-19 Pandemic had a profound impact on almost all people, especially in family education. The family spearheaded the implementation of government programs to prevent the expansion of Covid-19 transmission by maximizing time at home, namely the implementation of working from home, studying with parents,...

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**Proceedings Article**

## Community Learning Center Management to Improve the Quantity Service of Non Formal Education

Nidia R. Nawangsari, Yatim Priyanto, Widodo

Budi Utama Community Learning Center is one of the best Community Learning Center's in Surabaya. The purpose of this research is to find out the management process of Community Learning Center and provide an in-depth overview of Community Learning Center 's experience in facilities lifelong learning...

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**Proceedings Article**

## Fundamental Factor of Educations' Student in Determining Entrepreneurship Intention

Choirul Nikmah, Jaka Nugraha

Entrepreneurship is one of the instruments driving the economy either developed or developing countries. Entrepreneurship is a dynamic process to optimize all the resources to achieve a goal by implementing new ideas and creative solutions. The purpose of this study is to find out the entrepreneurial...

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**Proceedings Article**

## Improving the Interpersonal Communication Skill Through

## Classical Guidance

Abd Kholiq, Budi Purwoko, Endang P. Sartinah

The purpose of this study was to improve the interpersonal communication skill of students in a senior vocational high school through the classical guidance service. This quasi-experimental research used a pretest and posttest design. Twenty class students were assigned as an experimental group and other...

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### Proceedings Article

## Marine Science Literacy in Early Childhood

Suharti, Hapidin, Yufiarti

Science literacy is one of the discussions in science education. Early childhood living on the island is very close to the marine environment. So the discussion of scientific literacy requires more specific by the characteristics of the child's area of residence. Marine science literacy (MSL) is a specification...

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### Proceedings Article

## The Profile of Perceived Academic Stress in Higher Education

Damajanti K. Dewi, Elha H. Meylana, Fenty P. Widiarti, Rizzi I. Safitri

Stress is a psychological symptom experienced by every human including students. This study aims to determine the profile of students' academic stress in State University of Surabaya. The research subjects were 3 of 7 faculties selected by cluster random sampling. There were 1553 students as

participants,...

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### Proceedings Article

## Relational Bullying in Religious School at the Senior High School Level

Denok Setiawati, Muhammad Shiddiq Al Fathoni

Relational bullying is an act of systematic weakening and can happen anywhere, including religious schools at the senior high school level. This study included a qualitative study with informants, students who were victims, guidance and counseling teachers. Data collection method is observation, interview...

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**Proceedings Article**

## Strategy of Community Empowerment of Poor Based on Non-Formal Education in Semarang

Muhammad Fauzi F. Andika, Lintang M. W. Azizah

The purpose of this research is to empower the poor people of the city of Semarang according to market needs. The poverty of the city of Semarang in March 2017 was 80.86 thousand people (4.62%) while in 2018 it reached 73, 65 thousand people (4.41%). Empowerment through non-formal education strategies...

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**Proceedings Article**

## Module for the Subject of Statistics Based on the Higher Order Thinking

Hari Sugiharto Setyaedhi

This research aimed at examining the feasibility and effectiveness of the module of statistics in college. The type of this research is research and development using Borg & Gall model that consists of nine stages: theoretical studies, pre-survey study, model design evaluation, validation, limited...

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**Proceedings Article**

## Reading Review Program as an Innovative Effort to Increase Community's Reading Interest

Sri Nurhayati, Helena Anggidesialamia, Dede Suryadi, Muhammad Iqbal Fasa

This research aims to describe the planning process, implementation, and results of the reading review program as an effort to reduce and prevent the problem of the culture of literacy in Indonesian youth. This research used simple research design approach with descriptive method. The research results...

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## Excavating Mathematical Concepts Within Alms Context: An Auto|Ethnographical Study

Febriarsita E. Sasmita, Neni Mariana, Rooselyna Ekawati, Muhamad T. Yani

Mathematics and Islam are interconnected one another. Muslims need to apply mathematical knowledge in order to fulfil some Muslim obligations. One of the obligation in Islam is alms. This paper aims to portray the researcher's experiences as a Muslim in implementing alms in order to look for dominant...

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### Proceedings Article

## Student's Perception Using the BIG BOOK Desk Calender for Story Telling for Young Learners

Sri Widayati, Nurhenti D. Simatupang, Imron W. Harits

Storytelling activities are part of the learning process that is in Early Childhood Education. It depicts the literacy activities particularly for children.

Thus, It is salient to develop literacy in children from an early age. This is based on the results of a survey of Indonesia ranked 60 out of 61...

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### Socialization of Masks and Hand Sanitizer Usage as a Preventive Activity of Covid-19

Wiwin Yulianingsih, Soedjarwo, I Ketut Atmaja, Gunarti D. Lestari, Suhanadji

The purpose of this service program is to provide public health education through socialization to informal sector workers as a form of preventing the spread of COVID-19. This dedication is procedures for the prevention of COVID-19 socialization, according to WHO. The method used is an explanation and...

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### The Communication Ability With Total Communication Method of Hearing Impairment Children

Dimy Mullyana, Ari Wahyudi, I Ketut Budayasa

The ability to communicate with deaf children who experience obstacles to the auditory stimulus aspect affects communication skills. The selection of the total communication method in one of the Special Need School concern in hearing impairment became a reference in implementing language learning and...

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### Proceedings Article

## Background Analysis of Income Parents With Social Development and Moral Religious Children

Nihayatul Imma, Maria V. Roesminingsih, Suhanadji

The purpose of this study is to find out how the background of parents' income levels with social behavior and the development of religious morals in educating children's social and moral religious behavior, knowing what values children get from these social behaviors, and how children's actions are...

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### Proceedings Article

## Glenn Doman Method Improves Early Reading Ability in Children With Autism

Shinta I. Pertiwi, Wagino, Mudjito

Children with autism have a disturbance in getting information with characteristics easily to be bored and visual learners so that it affects their reading difficulties. So that the right method is needed to improve their reading skills. The purpose of this research is to examine the influence of the...

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### Proceedings Article

## The Class Management in the Setting of Students With Special Needs in Inclusive School

Rossea N. Oktavianti, Zaini Sudarto, Budiyanto

This research aimed to describe the classroom management in the settings of students with special needs and the obstacles in its implementation in inclusive school. Student settings in this study include aspects of creating a positive environment, application of learning rules and procedures, and the...

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### Proceedings Article

## Improving the Number-Concept Recognition of Children With Autistic Spectrum Disorder Using Modified Abacus

Fadilla C. Jannah, Siti Masitoh, Asri Wijastuti

The purpose of this study was to examine the effect of abacus modification media on the ability to recognize the concept of numbers in children with autism spectrum disorder (ASD). This study used a research approach that combines quantitative and qualitative approaches, with the type of pre-experiment...

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### Proceedings Article

## Students' Self-Control in Writing Negative Comments in Social Media

Ari Khusumadewi, Nuril F. Rodiana

The behavior of writing negative comments is one of the behaviors caused by

weak self-control in using social media. The purpose of this study is to know how the students write negative comments based on their self-control especially as indicated by the use of correct spelling and meaning of language....

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### Quality Assurance Management in SMART Ekselensia Indonesia School

Ervan Jaya

Quality in education becomes very important as a guarantee and standard of education management. As an educational institution, school is expected to focus on the quality assurance both internal and external. The purpose of this study is to describe quality assurance management in junior and senior high...

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### Developing Children's Early Numeracy Skill Through Traditional Game "Dragon Snakes"

Nur I.S. Rakhmawati, Rachma Hasibuan, Imroatus Sholichah

The early numeracy skill is needed by children to continue their higher education which relates to mentioning symbols of numbers, sorting numbers, adding, subtracting, and knowing more and less. The numeracy skills can be improved through traditional games, namely dragon snake. The rules of the Dragon...

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### Proceedings Article

## Improving Counting Skill in Children With Autistic Spectrum Disorder Using Android-Based Bamber Educational Games

Citra N.F. Amalia, Ari Wahyudi

The purpose of this study was to determine the effectiveness of android-based Bamber educational games for children with autism spectrum disorders (ASD) in improving the aspect of counting, especially reduction. This research uses quantitative research methods with a pre-experimental research design....

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### Proceedings Article

## Student Attitudes to Online Learning in Universitas Negeri Surabaya

Mustaji, Fajar Arianto

This research aims to find out the differences in students' attitudes towards online learning based on initial ability, education level, and gender. The study used a non-experimental quantitative design. The data is collected using a questionnaire through google form and distributed to undergraduate...

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## Millennial Response Watched YouTube of Beauty

Jenny Sista Siregar, Lilis Jubaedah, Siti Gomo Attas

In the YouTube channel, Beauty activities are divided into two main activities namely decorative, and Beauty treatments including hair, face, body, hands, and feet. The influence of YouTubers as content creators is important for the channel's presence and increasing viewership and or subscriber. On the...

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### Proceedings Article

## Mapping the Favorite Online Learning Application and Method During the Covid-19 Pandemic Period

Arfita Rahmawati, Bella T. T. Pamungkas

Covid-19 Pandemic is a central issue today, the impact of the influence of Pandemic requires learning organizations through online learning such as Work From Home (WFH) and Study From Home (SFH) which will reduce direct contact with students. This study aims to determine the application of the online...

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### Proceedings Article

## Father's Multiple Role to Growing Independence of Children at the Pandemic Covid-19

Rachma Hasibuan, Nur I. S. Rakhmawati

This study aims to examine the dual role of fathers in fostering the independence of children at home during the Covid-19 pandemic. The dual

role of the father makes the task divided as the head of the family who earns a living and also acts as the mother who takes care of, cares for and cares for the...

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### Proceedings Article

## The Concept Model of Implementing a 4-Year Fashion Design Vocational School Curriculum

Ratna Suhartini, I Wayan Susila, Tri Rijanto

The implementation of the curriculum refers to a philosophical thought (ideas) and various certain basic considerations held by the education unit. The implementation of the curriculum can be adjusted to the character of the school and industry. The character of the industry is always developing, especially...

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## Evaluation of Learning on Curriculum Development in the Vocational Study Program

Niken Purwidiani, Sri Handajani, Dwi K. Suwardiah, Asrul Bahar, Ita F. Romadhoni

To improve the learning quality in the Vocational Study Program, an evaluation of the learning program is carried out. In general, the evaluation of the learning program focused on three aspects namely teaching preparation, learning implementation, and learning evaluation. From this evaluation, solutions...

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## The Use of Flipped Classroom During COVID-19 Pandemic

Novritsar Hasintongan Pakpahan

The current situation with COVID-19 forces the legal education in Indonesia to evolve. The use of technology has become primary tool to conduct teaching and learning process. However, the use of technology had not been implemented properly due to dire circumstances. There hasn't been a transparent syllabus...

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## Virtual Learning-Based Media to Improve Learning Quality

Gde Agus Y. P. Adistana, Wahyu D. Mulyono, Nansekh N. Karim

Less attractive learning media and methods that do not actively involve students will make students bored and pay less attention to the subject matter which results in students experiencing errors in understanding the material. Learning media need to be developed to be more interactive, flexible, fun,...

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## Aplimath Result of Validity Media Based Android at Courses of

## Calculus 1

B.N Pukky Tetralian, Aris Alfian, Ahmad K. Umam

Technological developments have developed breakthroughs for learning so that it can facilitate students to learn. Calculus I course is the basis for learning mathematics. The purpose of this study is to test the validity of the Android-based ApliMath media in Calculus I. This research method uses the...

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### Proceedings Article

## Developing Educational Game Tools of JUMOFAN (Fantasy Jumanji Modification) to Enhance the Beginning Literacy Ability to the Children of 4–5 Years Old

Nurul Khotimah, Rizka Aisyah, Ruqoyyah Fitri, Yatim Riyanto

The Language aspect is the one of the children's development aspects, which needed to be noticed because the children to communicate with other people used language. The language development aspect is the one of six aspects, which should be developing in kindergarten. The current research had purpose...

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### Proceedings Article

## Model of Missouri Mathematics Project for Problem Solving Skills Problems in Flat Mathematics in Deaf Students

Devira Putri Giana, Wiwik Widajati, Wagino

This research is motivated by the problems of deaf students in the field of

mathematics, especially in the ability to solve problems in mathematical flat problems. The purpose of this study is to prove the influence of the Missouri Mathematics Project learning model in solving mathematical problems in...

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Farida Istianah, Dewi Ambarwati, Fauza Lailiyah, Suryanti, Ika Rahmawati

The lack of use of instructional media affects student learning outcomes. While the characteristics of elementary school students prefer something interesting, concrete, accompanied by high curiosity. Therefore, researchers developed a water cycle comic media to improve the learning outcomes of fifth-grade...

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Asri Dwita, Sugiman

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Riza Mahdalena, Sujarwanto, I Ketut Budayasa

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## Technology as Mobile Based Learning Media for STKIP Weetebula Students in the Covid-19 Pandemic Period

Ferdinandus Bele Sole, Desak Made Anggraeni

The spread of corona virus which is well-known as covid-19 in all over the world gives impact to various sectors of life. In the field of education, especially in higher education, learning activities is shifted from face-to-face to online learning. This is intended to prevent the emergence of a new...

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## Learning Collaboration Music as Implementation of the Learning Concept of Learning

Yuana Anike Putri, Warih Handayani

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## Experimental Study on the Effectiveness of Using warung-kampung.com E-Commerce Application

Harti, Norida Canda Sakti, Anita Qoiriah

The ICT developments and physical distancing policies due to the Covid-19

pandemic have caused a shift in the way consumers buy online. Changes in consumer behavior will certainly make it difficult for small traders, especially those who are not familiar with the use of e-commerce technology. This study...

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Harti, Raya Sulistyowati, Tri Sudarwanto, Septyan Budi Cahya, Veni Rafida

This study aims to explore the application of learning salesmanship courses during the COVID-19 pandemic, where there are social policies and physical distance conducted by online lectures, while salesmanship courses will be effective if done with many direct practices. Approved implementation of planning,...

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Mochammad Rifa'i, Yuyun Suprpto

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Rusnilawati, Afrin Puspasari, Zaenal Abidin, Efi Rusdiyani, Yusnia Nur Afifah

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Yuyun Suprpto, Moch. Rifai, Ariyono Setiawan, S Meita Maharani

The purpose of this study is to find how the environmental shift of learning with the development of information technology, online study during coronavirus disease (COVID-19). Changes in information technology have affected learning strategies, learning environments, improved information technology...

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This study aims to test the effectiveness of group counseling with Islamic cognitive behavior therapy to improve student's self-compassion. The study used a narrative research method with interviews and documentation. The process collaborates with library study research because the research data has...

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Agus Yulianto, Saefudin, Dede Hidayatullah

The objective of this study is to find out the values of character education in the sage Banjar story, and it can be used as a media of the children's character education in South Kalimantan. The problem of this study is what are the values in the sage Banjar story that will be relevant to the children's...

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Ariensa Gita Pralistyo Putri, Yuliati, Endang Purbaningrum

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Syunu Trihantoyo, Muhammad Sholeh, Supriyanto

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Kurniawati, Estik Wijayasari

This research aims to reveal how historical literacy is implemented in Senior High School. This research is qualitative in the form of case studies in Senior High School (SMA) in South Jakarta. Field research in the form of data collection, namely in-depth open-ended interviews, direct observation, and...

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Atikah Syamsi, M. S Zulela, Yufiarti

This study aims to increase the scientific literacy skills of elementary school students through the implementation of a science learning model with a learning cycle method based on a positive learning environment. This type of research uses an experiment with one pretest-posttest group design. The research...

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Muhammad F. Ilhamuddin, Aditya C. Setiawan, Ainur Rifqi, Lutfi Saksono, Muamar Z. Arif

Covid-19 virus that has caused the pandemic in Indonesia and has affected the education aspect and required abrupt changes into online learning. Changing to online learning, however, are having several obstacles, including in teaching learning process, psychological problems, and technical challenges....

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Nunuk Hariyati, Mudjito, Karwanto, Amrozi Khamidi

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Ganes Gunansyah, Ulhaq Zuhdi, Tri W. Setyaningrum, Beki Bernardi

The purpose of this study is to investigate the perceptions and explore the experiences of sustainability community-based ecoliteracy practices in elementary schools which includes creating conditions, using strategies, and achieving learning outcomes. This study uses a quantitative analysis approach...

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Riza N. Khoirunnisa

The purpose of the research is to know the effectiveness of cooperative games to improve preschoolers' ability to problem-solving. The research is a quasi-experimental research with a non-randomized pretest-posttest control group design. The research subjects are fifteen children of five years old preschoolers...

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## Need Analysis of Balanced Literacy Indonesian Language

## Teaching Materials Education Course

Wahyu Sukartiningsih, Roihana W. Mursyidah, Neni Mariana

The research aim was to analyze the need for balanced literacy teaching materials to support the Indonesian Language Education course for Elementary School Teacher Education (PGSD) students. Balance literacy is a teaching material that contains material to balance students' basic literacy skills. This...

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Dyan E. Pamungkas, Sukarman, Sri Sulistiani

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## A Stress Immunity System of Covid-19 Through Academic Stress

Wulan P. Saroinsong, Muhammad Reza, Nurul Khotimah, Brwa Aziz Sidiq, Chinun Boonroungut

In a survey conducted by the American Psychiatric Association (APA) of more than 1000 adults in the United States, it was found that 48 percent of respondents felt anxious they would contract the coronavirus. About 40 percent worry that they will be seriously ill or die from Covid-19, and 62 percent...

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Hari S. Setyaedhi

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## Development of Subject Specific Pedagogy (SSP) Based on the Scientific Reading Based Project (SRBP) Model Empowering Critical and Creative Thinking Skills

Kartika C. Suryandari, Rokhmaniyah, Joharman

This study aims to produce a Subject Specific Pedagogy (SSP) based on the Scientific Reading Based Project (SRBP) model of the Science Base Concept Course for empowering critical and creative thinking skills of Elementary Education Program students. This study uses research design development of

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## Effectiveness of Behavioral Contract Counseling in Improving Student Psychological Strength

Hunainah, Naf'an Tarihoran, Eneng Muslihah, Dody Riswanto

Students face a variety of task demands, both academic and non-academic. For that students must have high psychological strength in order to complete the task optimally and on time. This study aims to explain the effectiveness of the application of behavioral contracting counseling to improve the psychological...

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## Improving Critical Thinking Skill of Elementary School Students Through Brain Based Learning

Aida Rahmi Nasution, MS. Zuela, Zaenal Rafli

The purpose of this study was to improve the critical thinking skill of elementary school students using Brain Based Learning in PAI subject. This study implemented Brain Based Learning starting from planning, implementation and evaluation. The material developed was integrated with social cases of daily...

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## The Continuity of the Implementation of Family Education in Building Good Character Traits in the High-Achieving

Fauza Masyhudi, Ulfatmi, Duski Samad, Alfurqan, Yumna

Good character traits are not easy to bulid in a child. One way to build good character traits are through good education. But good education that is not sustainable also results in failure in realizing good character traits in a child. This study aims to analyze the continuity of family education in...

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## Online Learning of Information Technology and Guidance Media Course Based on Learning Styles

Bambang Dibyo Wiyono, Evi Winingsih, Citra Fitri Kholidy

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Heryanto Susilo

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## Another Road: An Intersection of Music and Language

Jiradej Setabundhu

The cross-pollination between the two fields is such that it provides a new perspective for people to see what should have been obvious but for some reason was overlooked. Thus, this study proposes the benefits of a cross-

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### Re-Creation of Surabayan Folklores: Reception and Adaptation

Novi Andari, Sudarwati

Adaptation in literary works is often associated with reception and intertextuality. Reception and intertextuality of literary works are the manuscripts memorable to the audiences presented in different forms. Keeping the folklores told verbally over generations potentially lose their significant parts...

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### Examining Political Subjectivity Through the Truth Procedure in Ahmad Tohari's *Ronggeng Dukuh Paruk*

Aprinus Salam, Sulistya Ningtyas

Ahmad Tohari's novel, *Ronggeng Dukuh Paruk*, portrays the struggle of the underclass of Dukuh Paruk in facing the political turmoil, particularly around the 1960s. The present study examines political subjectivity through the truth procedure in the novel. The research problems are answered by using a...

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## The Suicide Motive of Hannah Baker in Jay Asher's 13 Reasons Why

Sesha Laras Andriani, Mamik Tri Wedawati

Suicide has been one of the most significant issues in the world. Thus, this topic is very interesting to be discussed. The study aims to analyze the suicide motive of Hannah Baker. The study is focus on what the suicide motive of Hannah Baker is. The study applies descriptive qualitative methodology...

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Dwi Nur C.S. Kusumaningtyas, Bayu A. Nugroho

This study is aimed to describe hidden meaning of mini fiction by (1) the reading of heuristic and hermeneutic, (2) describe indirection expression, and (3) metrics, model, and variant, show from mini fictions. This is qualitative descriptive study because the sources are from cyber social media twitter...

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## "Washing Hands" Public Service Announcement as a Covid-19 Response Effort

Asidigisianti Surya Patria, Nova Kristiana

The "Washing Hands" is a Public Service Advertisement that provides

knowledge to people to wash their hands with the correct water, not only rubbing their hands, but there are several steps that must be passed so that the hands become germ-free. With the increase in knowledge of washing hands, it is...

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## The Urgency of Gender Mainstreaming Regional Draft in Jombang Regency

Sarmini, Martadi, Suprpto, Sujarwanto, Mutimmatul Faidah

The implementation of national development must be able to improve the quality of human life as a whole, which gives justice to all parties. There are various regulations focused on Gender Mainstreaming (GM) development, namely; (1) President Instruction Number 09 Year 2000 concerning GM; (2) Minister...

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## Amal's Intercultural Encounter in Shaping Her Diasporic Identity in Susan Abulhawa's *Mornings in Jenin*

Aimatul A. Maghfiroh, Much. Khoiri

In this modern era, going from one country to another could be done easily supported by the advancement in technology. People who come to a new country need to fit into a 'new' society in case they want to be acknowledged, or they could keep their culture and oppose conformity. This study aims to reveal...

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Raden Roro Maha Kalyana Mitta Anggoro, Harpang Yudha Karyawanto

Atlantis Press – now part of Springer Nature – is a professional publisher of scientific, technical & medical (STM) proceedings, journals and books. We offer world-class services, fast turnaround times and personalised communication. The proceedings and journals on our platform are Open Access, making them immediately available to the wider research community. We are developing a new generation of digital publishing tools for the research community, including a new article type for the peer review process. In piano learning process, the problem that to be reflected on and solved is about how to strengthen the practical teaching of music education, cultivate students practical ability and construct a very distinctive training system for developing higher education college students music education specialized...

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## Islamic Identity in Minangkabau: A Case Study of the Rejection of Minangkabau Bible Translation Application

Yuangga K. Yahya, Syamsul H. Untung, Hifni Nasif, Muhammad Nurrosyid H. Setiawan, Indra A. Fajari

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This paper tries to see the repudiation of the 'Minangkabau Bible Translation

App' in Google Play platform by Minangkabau society. By using the

translation theory of Eugene Nida and Charles R. Taber that mentioned the religious affiliation in a language is one of the sociological levels of language....

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## The Application of Girl Power Through Third-Wave Feminism in *Birds of Prey*

Angelica L. Setianto, Maria V. Win

Girl Power is a part of third-wave feminism which has been addressed in several Hollywood movies in the past years. Girl Power is more of a slogan than a theory which emphasizes power and fun feminism. A recently released film, entitled 'Birds of Prey (and the Fantabulous Emancipation of One Harley Quinn)',...

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# Dancing as an Expressive Media in the Middle of Pandemic

Setyo Yanuartuti<sup>1,\*</sup> Warih Handayani<sup>1</sup>

<sup>1</sup>Faculty of Languages and Arts, Universitas Negeri Surabaya, Indonesia

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## ABSTRACT

The decrease of body immunity has occurred in everyone due to the Covid-19 pandemic, which requires people to study, work, pray and do lots of activities at home. Dancing is a medium of expression that can be used to restore immunity for choreographers. The purpose of this paper is to examine the choreographers' works that have been produced during this pandemic, with a focus on describing the dances during pandemic and other mediums that have been used as a media of expression. The method used in this study is analytical and critical descriptive qualitative. The data were collected through observation and document study and interviews. The results showed that dancing has become a medium of expression for choreographers during a pandemic. Even though the Covid-19 pandemic was initially a pressure on choreographers in East Java, it had a positive impact, namely encouraging choreographers to develop their imagination in their dances. The pandemic condition that requires them to stay at home has emerged various forms of movements. Even this pandemic condition has encouraged young choreographers to be creative in the virtual world, namely the digital world. Thus, the pandemic has motivated choreographers to produce various forms of contemporary dance works and has developed virtual dance works with virtual performances as well.

**Keywords:** *Dances, Expression Media, Pandemic, Virtual Performance*

## 1. INTRODUCTION

The Corona or Covid-19 virus has influenced all areas of human life, including the life of choreographers. WHO has determined that all countries must break the transmission chain by staying at home, staying away from the crowds and stopping all activities outside. All activities outside are moved at home, starting from studying at home, working at home, and praying at home. Moving away from the crowd means not doing activities that involve a lot of people meeting and gathering. Organizing a show is one of the activities that causes people to gather. Therefore, organizing shows is an activity that should not be done during this pandemic. The Indonesian performing arts industry is in quite shocked because of the coronavirus global effect. It has been reported that approximately 40,081 artists have been eroded by Covid-19 due to the cancellation of art performances and festivals. The epicenter areas for art workers are predominantly West Java, Jakarta, Central Java, East Java, and Yogyakarta [1]

Dancing is the result of the process in achieving a dance work. A person who performs the process of

composing or working on a dance is called a choreographer. The work of the choreographer is moved by strong actions to create new works that reflect the unique reactions of one's life experiences. The process of work starts from the process of seeing, exploring, and realizing [2]. The media to express the meaning and to deliver the dance work is a performance space (stage)

When the space is limited or closed due to the pandemic, this caused tremendous pressure for the choreographers. It is physically clear that when people are only stay at home, what activities can be done in a limited house space. A choreographer may only be able to carry out the process of contemplation or develop imagination, but how can ideas be expressed both physically and spiritually.

As what has been known, there was a big event in April for dance artists and choreographers, namely the celebration of World Dance Day, which was precisely celebrated on April 29th. Besides, there was also Earth Day, which should be there are dance performances to honor the earth. However, during the limitation in the Covid-19 period, it has a psychological impact on dance artists, especially choreographers. Choreographers

cannot inspire, explore, express and create dances. Moreover, the obligation to stay at home was clear has the hardest impact for the choreographers. The only way to keep expressing and exploring for the dance artist is to create dance works to be expressed through the mass media. Fortunately, there is an event that offers to make a joint show via YouTube on Earth Day and the celebration of World Dance as a place to express the creativity that has been fossilized during the covid-19 quarantine time

The works of East Java choreographers that have been uploaded on social media have a different aesthetic value from the dance works that are prepared for live performances. As what has been known, the artistic value of the dance movements can be seen from the dance performance, its content and appearance [3]. This essence of the show will change when the performance of this dance work uses virtual media. When this dance work is performed through social or virtual media, there are boundaries of space and time.

During this pandemic, the dance works that had been produced by choreographers was performed through digital media. The form of dance works which are generally supported by art space such as stage layouts equipped with lighting. During the pandemic, they only relied on media movements with limited space in the environment around the house. It means that the form of movements has become the main element in dancing during the pandemic. Digital media is a new medium that is used to support the dance performance. This is a new concept of workmanship dance method, thus it is interesting to study more deeply.

This article aims to examine the new dance works that have been produced by choreographers and discuss the mediums of dancing used as a medium of expression by dance stylists in their dancing during this pandemic. Moreover, this paper also discusses the impact of creating dance during this pandemic. The assumption is that dance works created during the pandemic have a new aesthetic form, namely virtual dance aesthetics. In addition, art creation activities during this pandemic are not only producing dance works, but also maintaining body immunity.

### **1.1. Related Work**

There several researches related to the analysis of dance work as a medium of expression during the pandemic. One of those is Rustiyanti, et al. In their research, they found that the movements performed by dancers are expressive movements, distilled movements containing rhythm, so that they can touch the audiences' feelings. Expression and rhythm embody the expression

of motion, so that its beauty will appear. Beauty can also be enjoyed through advanced photo-motion technology. The motion that uses a variety of dance components is an ideal combination for a photographer, so that art communication is created between a single dancer and the photographer [4]. Rustiyanti's 'research is an interdisciplinary study, which looks at how the expressions of dancers' gestures can give photographers the imagination. The interdisciplinary approach used in this discussion is of relevance to this research.

Kiepe, Stöckigt, and Keil had tested the effects of dance movements and a ballroom dance as a therapeutic medium for people with cancer, breast illnesses, dementia, Parkinson syndrome, heart failure, type 2 diabetes, depression, and fibromyalgia. The findings of this study showed that dance therapy (movement) has a positive impact on patients with breast cancer, improving quality of life, relieving depression... [5]. The relevance of this article is the dance movements and / or dance works for dance actors have a physical and psychological impacts. The impacts of this dance will also be used by the writers in discussing dance work as a medium of expression during the pandemic for choreographers.

An article that discusses contemporary dance or choreography that still has relevance to this article is Leach, who conducted research on several contemporary dance companies in Europe that had successfully conducted experiments by presenting digital choreography. The finding is that contemporary dance has produced knowledge which is said to be the knowledge of economy. The digital creation of a dance company can be used as a prototype for relational engagement with audiences and the wider community [6]. This paper can be used as material for discussion in discussing how digital media is used as a supporting medium in the creation of dance works during the pandemic.

Eko Supriyanto or known as Eko PC has written an article entitled "*Tubuh Tari Indonesia Sasikirana Dance Camp 2015-2016*" in *Panggung* journal. Eko refers to the opinion of Sardono W. Kusumo, Indonesian dance maestro and choreographer, who stated that understanding dance must begin with studying one's body before moving on to the study of dance in its performative aspects. The finding showed that a dancer must be able to understand and explore the complexities of the body along with the nervous system and muscles of his body as a creative process for his body's confidence in the performance. Eko evaluated comprehensively which it can be used as a proof of the importance of a physical approach to the dancer's body before referring to other approaches in the arts [7].

Regarding to the virtual aesthetics, Martyastiadi explained that virtual reality as part of interactive media cannot be separated from the need of technology. Interactive media is rich of relationships among content, users, and the technology it uses. Interactive digital media is no longer just a visual aesthetic but can be used as a medium of communication in other kind of arts [8].

Based on the findings above, it appears that there has been no writing about virtual dance aesthetics. This will create a new aesthetic for the dance work produced by the choreographers. The emergence of this new aesthetic will lead to the emergence of virtual aesthetics in dance creations. This is an interesting phenomenon to be studied more deeply, therefore the researcher is interested in studying the dance works of choreographers especially in East Java as a medium of expression during the COVID-19 pandemic. The results of this research are expected to contribute to the development of aesthetic science, especially virtual dance aesthetics.

## 2. METHODS

The methods used in this research were descriptive qualitative, analytical and critical research. Descriptive qualitative research method was used because the data in this study are dance works in the form of videos that have been uploaded on YouTube or Instagram. The descriptive method was followed by analytical and critical methods. Critical analytical method was used to critically analyze the form of dance work. Data sources were gathered from the respondents (choreographers in East Java), they are: Winarto Ekram, Robby Hidajat, Dimas Pramuka, Peni Puspito (Pepen), and the dance creations during the pandemic.

Data collection techniques used observation, interviews, and document study. Observations were made by observing the work through video, both live and from YouTube. This observation activity was integrated with the document study activity. Interviews were conducted online both with WAG and video call with respondents. The data analysis technique used the Cresswel technique [9] which consists of six steps, namely; (1) Processing data and preparing data for analysis. Processing raw data, namely describing dance forms from dance video sources, interviews with resource persons. (2) Read the entire data by reflecting on the overall meaning and providing notes. (3) Analyze in more detail by coding the data. In this stage, what is done is to analyze the form of the dance work to find the aesthetics of the intrinsic-artistic form of the dance work. (4) Giving symbolic signs to the elements of form, content and appearance as choreographer expressions. (5) Shows how the dance work description and critical

analysis in the narrative. This stage produces a description of the form of dance work as a medium of expression for choreographers during a pandemic. (6) Interpreting data and final conclusions. This stage is interpreting the dance work as an expression of a choreographer in East Java.

## 3. RESULTS AND DISCUSSION

### 3.1 Dance Creations during Pandemic

Art work is an expression or embodiment of something that is formed through harmonious elements as a whole to be enjoyed aesthetically. Artwork must be created through the artist's intention to communicate the ideas or emotions. Ideas are communicated through a form. This form is an aesthetic aspect which can be enjoyed by the audience [10]. Form is an element of all manifestations which the viewer can observe and feel.

The Covid-19 pandemic period is a time that requires people all around the world to be aware of coronavirus transmission. The virus has spread throughout the world, so it needs the attitude of all leaders in the world. The rule to stay at home and stay away from the crowd has been established in Indonesia as well, and this is also not an exception to the world of performance. The performance world was simultaneously paused, including the activities of dance artists, in this case the choreographers.

Choreographers are the ones who cannot be restrained. The condition of staying at home and not doing artistic activities was initially a tremendous suffering. Saturation and boredom happened to everyone including the choreographers. However, the habits that has shaped them into individuals who are always sensitive to any conditions and situations and has a high power of expression makes unable to stay still even though they have to stay at home. The habit to let them free to express their mind through exploration of whatever is happening in the surrounding environment makes choreographers in this pandemic become more imaginative

In order to free themselves, COVID-19 has turned into a source of imagination for choreographers. As expressed by Heri Lentho (a well-known choreographer in Surabaya), the pandemic period initially forced him to return to the village, but after that he created various imaginations such as creating a virtual dance performance event. The virtual show event was for a virtual Earth Day dance performance which due to April 11th. Heri Lentho composed musical from the Epi Martison's song and then distributed it to choreographers

in East Java to create expressive moves with the theme "Sujud Bumi". The movements that had been composed by the choreographers were virtually edited and uploaded on YouTube.

The results of the virtual performance event that has been built by Heri Lenthohave inspired various dance communities, which then appeared together in virtual dance works with the World Dance Day event. Various dance communities created performances together in one frame to commemorate world days. Based on the results of the virtual performances entitled "Sujud Bumi" and also "World Dance Day", it can be seen that the choreographer has used the media of their own body individually to express his soul and imagination in appreciating earth day in this pandemic era. The body is the only medium that is always ready to be used as a medium of expression by dancers and dance choreographers during pandemic. Their body can be explored to do more complex motions which mean that body is the main elements in this new dance creation. This is like a body expression which is owned by dancer in the jungle outside Java which is different from the movement varieties in traditional dance creation in Java.

In line with Sardono W. Kusumo's expression as quoted by Eko Supriyanto, he explained that there was a significant difference in his body movements when he was in the middle of the jungle in Dayak compared to when he was dancing the Javanese *alusan* dance at the Ramayana Ballet performance at Prambanan Temple. His dance in Dayak contains very rich bodily elements because it is not shackled by certain characters. Javanese dances, for example, the study of the body of *bedaya* dance must involve the study of nine dancers with nine characters on the basis of individual meditation that is not interpreted individually, especially the movements. *Bedaya* dance is a concrete example as the pinnacle of artistic expression represented by the expression of personal body space with each dancer providing body expressiveness which is a solo / singular synergy in a dance arrangement [7].

The physical expressions of the choreographers during the Covid-19 pandemic can be seen in the movement patterns presented in the dance which are put together in virtual dance videos on Earth Day and World Dance Day. The movements of the body have become the main medium to expression the souls of the choreographers in order to release fatigue and boredom during this pandemic.

### **3.2. Mediums in Dance Creations during Pandemic**

#### **3.2.1. Moves as the Media of Expression during Pandemic**

The form of dance is the embodiment of the ideas or emotions of a dancer through the content of the motion. The movement of the human body is the main element of dance that moves on the body or limbs and even small parts of the body. Motion involves three dimensions, namely the dimension of space, the dimension of time, and the dimension of energy [11]. Movement is a sign of life. Dance movement is an expression of all emotional experiences. Imaginative experiences can provide the power of movement by providing opportunities for emotional experiences. The various forms of a dance (pure movement) are included in the forms that changeable, so they become practical figures of reality [4].

The gestures used as a medium for expressing the dance ideas by the choreographers in this pandemic are expressive movements to release the soul pressure because of the pandemic. A soul that has been shackled by staying-at-home mandatory is a depressed soul. The soul is what ultimately fills the movement patterns performed by the dance choreographers. It means, the soul is the content of movement. Thus, the movement patterns presented have high emotional strength. This power has regulated how much energy is expressed in carrying out moves or often referred as power. This regulation of the power of motion cannot be separated from the available time and space. How the relationship between the power of movement, time patterns and spatial awareness in dance creations that have been produced by choreographers in East Java during this pandemic is very different from dance creation created with a concept for live performances.

The movement patterns are built by choreographers during this pandemic, such as upper-level designs as symbols of glorifying God or prayer requests and gratitude. In addition, the lower level is as a symbol of prostration for gratitude and also prayer requests. There are also those who express the outbreak of Covid-19 that must be avoided. The examples of physical exploration movement patterns of choreographers can be observed as follows.



**Figure 1** The expression of Winarto Ekram's movement in "Sujud Bumi" 1

The movement patterns built by Winarto Ekram (choreographer from Malang) were created for "Sujud

*Bumi*". The movement patterns that are built are movement patterns with body exploration in the middle of the rocks in the forest. The lower designs are presented as a symbol of prostration on the earth at a low level with the position of the head and body directed downwards closer to the earth. This design is to express gratitude to Allah SWT who has given the earth as a place for human life.



**Figure 2** The expression of Winarto Ekram's movement in "*Sujud Bumi*" 2

The second image is a a high level motion presentation. The head's position is facing upwards, with the hands directed upwards. This design expresses asking Allah SWT to always give safety and harmony in human life on the earth.



**Figure 3** The expression of Winarto Ekram's movement in "*Dalam Hujan*"

In the third figure, he expressed himself by exploring his body movements in the garden in front of his house during the rain. The movement pattern that is built with the position of the body, head and hands facing upwards is to show enjoyment of rainwater that has been given by Allah who has provided freshness and eliminates all fatigue and boredom.



**Figure 4** The expression of Arif Hidayat's movement in "Covid-19"

The movement patterns of Arif Hidajat (a theater actor) who has explored his body with movement patterns to appreciate World Dance Day during the pandemic is shown in figure 4. The form of the pattern that is built is starting from the lower level with the movement of the hand to the front side. This motion design expresses the existence of the widespread corona virus that has spread the world. The pattern developed as an attitude to avoid the virus, specifically by wearing a mask.

The descriptions of the images above are some examples of the forms of choreographed movement patterns that have been constructed in the form of dances arrangement to commemorate World and Earth Days in this pandemic era. Movement patterns that have been arranged in a dance work contain an aspect of time. This time aspect is a tool to strengthen the links of power in a series of motion. It is also as a tool to develop continuously and dynamically flow and create dance regularities [11]. In creating a motion design, a choreographer is aware of the structure of time. This time structure is inherent in motions.

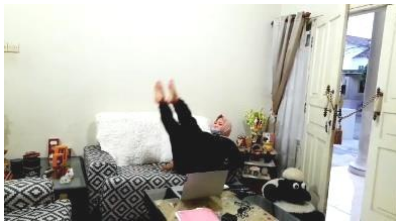
The choreographers in this pandemic have developed movement patterns by realizing the timelessness. Aspects of tempo, rhythm and duration are considered and stucked in motion. The life of this series of motion lies in the speed and slowness of the motion carried out, as well as the rhythm of motion that has been built. The tempo of motion has read the energy or sense of motion. In motion and dance is an activity that treats the body as a real approach to reference creative steps with clear trajectories in the process developed by contemporary dance in Indonesia [7].

### 3.2.2. *Music as an Expressive Media during the Pandemic*

The time or rhythmic structure of dance movements with their repetition and developmental patterns shows the framework and clarity for the observer toward the aesthetic awareness. The time structure in a dance is generally associated with the relationship between dance movements and the music instruments. As stated by Arlene Zaliman in Hagen's quote, the artistic nature of the assumption that one should somehow realize that dance and music are interrelated, through its artistic users, cannot be avoided [12].

During this pandemic, the use of music in dance is more of an illustration to support the atmosphere of the dance theme. The songs sung by the dance choreographers constitute internal music individually and have strengthened the expression of the movements

they do. Internal music can also be seen from the thrill of the dancers' feet and hands in moving. External music is manifested through music editing of an existing song or song instrument. As an example for the music at the Earth Day event, Heri Lentho as the main choreographer took part in the Epi Martison's song to build the atmosphere in the dance "Sujud Bumi". The musical characteristics of this song are flowing, filled with female vocals with high-pitched notes and no particular beats. This music is interpreted by each dance choreographer by filling in the movements. The interpretations of the dance choreographers for this music are very diverse. Therefore, it can also produce a very varied structure of the time movements. Music for World Dance Day, the main choreographers or directors had edited music in the form of songs and / or instruments, which then dancers and / or dance choreographers fill the movements according to their interpretive power, then edit it into virtual dance videos.



**Figure 5** A living room as a media of expression by Jajuk D.

Jajuk Dwi Sasanadjati has made use of the living room as a space in a dance movement. The curtain settings, half-open doors, chairs, a table equipped with a laptop, and small decorations around the room were explored to support the movement according to the demands of the theme. This space expresses that during a pandemic everyone lived at home, including working and teaching at home via a laptop as their online devices.



**Figure 6** House stairs as a medium of expression by Winarto Ekram

Winarto Ekram uses the stairs in his house as a medium of expression. The shape of the stairs and the existing space has imagined Winarto to be explored in finding the types of movements he does. The shape of the ladder in the house has formed lines, and the shape of the triangles and squares even makes it possible to make high-level motion by hanging. This staircase has created a form of motion with a unique setting design. This is the skill of a choreographer when confined at home but produces extraordinary creativity.

Different to Winarto who explored his home space during his stay at home to express his movements, Robi Hidajat doesn't need to leave the house to record his dance works, or doesn't need to think about space in moving. This is another facet of the dance form during a pandemic. Robi makes use of the Augmented Reality space in rich dance on earth day. The augmented forest background forms the background for her dance work. He moves anywhere, which is then edited on a computer or with a cell phone by inserting the forest image he has. The results of his work can be seen in the following image,

### 3.2.2. Space as a Media of Expression

The context of the Covid-19 pandemic has shaped the performance space. In Javanese dance, it is clear that the performance space is bound by the *saka guru* or internal pole in the *pendhapa* building [13]. *Pendhapa* is a house construction without walls that has *four Saka guru* in the middle and a *joglo*-shaped roof. Especially *pendhapa* in the Yogyakarta Palace and Surakarta. The architecture has a combination of function and meaning for the aristocrats in this palace. As a result, the dance that is performed in this space is also bound by the laws and norms that exist in the palace [14]. This differs from the proscenium stage which the space is formed by the shape of a stage with one direction of the audience, limited by the stage frame.

The period of the Covid-19 pandemic is a context that cannot be avoided by dance stylists. The house and its environment are spaces that dance choreographers who want to express themselves should be aware of. One of the examples is a small garden in the house; living room using the curtains; some use the ladders; as well as the yard and forest around the house. In short, the house and the environment become a new contextual setting in creating a dance. The following figures are an illustration of the motion space used by dance choreographers during the pandemic.



**Figure 7** Augmented reality as a media of expression by Robi Hidayat

The pandemic is not an obstacle for choreographers to create dance. Even though they stay at home, the choreographers are able to explore the space in the house. In fact, the augmented imagination space has developed the creative power of choreographers during a pandemic. The context of the house and the environment around it has become a new space that functions as a medium of expression. Dance works that are built and explored from this environment are included as environmental choreography [15].

### 3.2.2. Space as a Media of Expression

Virtual space has also become a new space for dance performances during the Covid-19 pandemic. This virtual dance performance is performed through social media YouTube, Instagram, and also through YouTube live streaming. The simplest thing is that dance choreographers create a dance work at home by exploring the existing space in the house and its surroundings, which is then edited with a real model, or with augmented reality. These digital media have become a new space for dance performances during this pandemic.

Virtual show is a show using computer media that uses 3-dimensional graphics and a combination of technology. Dixon explained that digital shows are becoming new media for creating theatrical spectacle, including virtual reality and robotic show work; telematic shows in remote locations are connected in real time, webcams, and online drama communities. It takes into account the “extra temporal” illusion created by some tech theatre work. [16]

Virtual performance has made use of virtual reality in its work system. Ji-Hwan Kim, et al., Explained that virtual reality refers to a computer-generated environment that is immersive, interactive, multi-sensory, audience-centered, three-dimensional, and a combination of technologies needed to build this environment. Virtual reality allows the artists to navigate and see the three-dimensional world in real time with six

degrees of freedom. The point is that virtual reality is an imitation of physical reality [17].

In the wrapping up of this show, technology collaboration is needed to build a contextual performance. The period of the Covid-19 pandemic has awakened choreographers and / or show management to the need for virtual performances at this time. Urgent needs that do not allow artists to perform lively, so virtual performances are now the last option.

Besides performances at World Dance Day and Earth Day events, a virtual performance which is complemented in this study is the "Merdeka Virtual Dance Festival" which was held on 17-18 August 2020. This performance was produced by Peni Puspito for 21 dance choreographers in East Java. This space can give young choreographers the freedom to create dances by utilizing technology in their work.

The appearance of the show is designed via YouTube live streaming. There are several kinds of dance work produced by the choreographers in the editorial, including a video recording of a dance performance at a place or at a location determined by the dancers; but there are also those who maximize the use of augmented reality in their work environment. Among those who take advantage of augmented reality is Ika Pratiwi from Malang.



**Figure 8** A dance creation based on technology by Ika Pratiwi

Ika Pratiwi can present dance works using computer technology to develop its designs. The actual motion design was only done by 1 dancer. She edited it so that it looked like there were two dancers. When two video images are edited together, there is a top design that overlaps the motion picture to another.

Dance creations using computer technology have produced interesting dances. The use of computer applications has been able to produce new digital-based dance works. It is as stated by Baker that Virtual Reality has undoubtedly attracted a lot of interest in recent years. This technology has offered great benefits in many areas. The user can watch and manipulate the simulated environment files in the same way as in the real world

without the need to study and set up complicated devices in the show [18]. Leach, also explained that currently in Europe many successful contemporary dance companies are experimenting with new ways of presenting choreography and movements by utilizing digital media [6].

The finding in this study is that the dance creations that have been produced by choreographers during the pandemic have led to digital dance works performed through virtual performances. These dance creations have produced a new form of contemporary dance in Indonesia, especially in East Java, namely digital-based dance performances. The media used in the creation of dance works at this time apart from gestures as the main media, is supported by music elements, environmental spaces around the house, even digital space. Digital applications have provided a new development space in the creation of dances at this time.

#### 4. CONCLUSION

Dance work has become a medium of expression for choreographers during a pandemic. Even though the Covid-19 pandemic was initially a pressure for choreographers in East Java, it later had positive impacts which encourage choreographers to develop their imagination in dance creation. The pandemic situation that requires them staying at home has resulted in the emergence of various forms of expression of movement. Even this pandemic condition has encouraged young choreographers to be creative in the virtual world or the digital world. Thus the pandemic period has produced various forms of contemporary dance creations and has developed in virtual dance works with virtual performances as well.

Dance work that uses the medium of the body expression has had an impact on the health of the choreographer. It is obtained when the choreographers are in the process of making motion, then exploring the motion and available space they will automatically sweating. This is the same as sport activities, especially if the activity is in an open space and under the sun light. The immunity of the body will be awakened with all of these dance work activities. This will maintain and increase the body's immunity during the Covid-19 pandemic.

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