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Welcome to the International Joint Conference on Arts and Humanities 2021 held by Universitas Negeri Surabaya, Indonesia. This joint conference features five international conferences, International Conference on Education Innovation (ICEI), International Conference on Cultural Studies and Applied Linguistics (ICCSAL), International Seminar of Sport and Exercise Sciences (ISSES), International Conference on Social Science and Law (ICSSL), and International Conference on Research and Academic Community Services (ICRACOS). It encourages dissemination of ideas in arts and humanities and

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International Joint Conference on Arts and Humanities (IJCAH) 2021 features five 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), International Seminar of Sport and Exercise Sciences (ISSES), International Conference on Social Science and Law (ICSSL), and International Conference on Research and Academic Community Services (ICRACOS). The conference was held online on 2 October 2021. 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. The papers submitted to the conference have a wide range of topics, namely education, arts, social sciences, and sports. Out of the submitted papers, 223 papers were selected to be published by Atlantis Press. The authors vary from fifteen (15) different countries; they are Germany, Poland, Austria, Germany, China, Filipina, India, Afrika, Hungary, Japan, USA, Bangladesh, Netherlands, Thailand, 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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[Analysis of Cultural Content on the Beginner-Level Textbooks “Bahasa Tionghoa Zaman Sekarang”](#)

Septerianie Sutandi, Selvia Selvia

Language learning and cultural learning are inextricably linked to each other. Foreign language learners who are equipped with cultural understanding will possess “intercultural competence,” which is essential in cross-cultural communication. In Indonesia, learning Chinese at the beginner level is still...

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Analysis of the Performance of Ludrukan Nom-noman Tjap Arek Soeroboio (LUNTAS) in the Legend of Sawung Kampret

Syina Dalila, Arif Hidajad

LUNTAS (Ludrukan Nom-Noman Tjap Arek Soerrobojo) is one of the groups that preserves ludruk by performing Ludrukan in order to be accepted by the community, especially millennials in Surabaya. The authors are interested in reviewing LUNTAS because of the uniqueness that stands out in LUNTAS compared...

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Enculturation of Kethoprak Babad Tulungagung Through Educational Strategy in Facing Cultural Globalization

Arief Sudrajat, Zulfana D. Ariska, Ayu Febriani, Fakhrial E. Widodo

Kethoprak Babad Tulungagung is a regional art owned by Tulungagung Regency. However, the onslaught of cultural globalization has made the arts degraded. The decline in the existence of the Kethoprak Babad Tulungagung

in the younger generation impacts their ignorance of the moral values contained. A qualitative...

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Online Identification of Weaknesses of Subjective Tests in Javanese Course Assessment: A Case Study of Second Grade Students at SMAN 2 Malang

Natanael F. Rahmanda, Miftachul Amri, Syamsul Sodiq

The current pandemic has had a significant impact on the learning evaluation process in schools. One type of subjective test assessment is also affected by the imposition of a form of distance learning. This study aims to identify the weaknesses of the subjective test given online to second-grade students...

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Correlation of Panji's Lust in *Wangbang Wideha* Manuscript with Javanese Spirituality

Amalin H. Imani, Ropi'ah

The aim of this research is to investigate: (1) the existence of Panji's excessive love for Warastrasari (Sekartaji), (2) the will of Panji to achieve his obsession, and (3) Panji's desire to get sexual lust satisfaction. The purpose of this study is to examine the existence of lust owned by the main...

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Implementation of Authentic Assessment Curriculum 2013 of Mandarin Language in SMK Prapanca 2 Surabaya

Novia K. Nisaa, Miftachul Amri, Syamsul Sodik

The purpose of this study was to find out how the preparation of authentic assessment instruments at SMK Prapanca 2 Surabaya, the implementation of authentic assessments of Chinese subjects at SMK Prapanca 2 Surabaya, and the use of authentic assessment results of Chinese subjects at SMK Prapanca 2 Surabaya....

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Writing with Word Limits: A Review

Dadang Rhubido, Kisyani Laksono, Mintowati, Suhartono, Hespi Septiana,

Raras Tyasnurita

Writing is one form of literacy foundation. This study aims to describe the type of writing based on words limits (the number of words). The word limit is essential for writers. When you need to summarize a text with a limited number of words, your key points will be more straightforward. As a result,...

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Revitalization of *Po Pado*: Explaining the Meaning of Educational Value of Oral Tradition in the People of Rakalaba Village, West Golewa District, Ngada Regency

Maria Y. C. Age

This study aims to find and describe the meaning of educational values in Po Pado in the people of Rakalaba village, West Golewa District, Ngada Regency. This study used a qualitative approach. The results of the study proved that Po Pado in the people of Rakalaba Village, West Golewa District, Ngada...

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Innovation Strategy of Cosmetic Packaging Design Made of Bamboo

Nanda N. Anggalih

Bamboo has been talked about a lot by international communities in the world eco-label, specifically because it has big potential to be used as a sustainable material. As the third biggest country to produce bamboo globally,

Indonesia has been supporting the regulation to establish bamboo nationally...

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Empowering Local Communities to Preserve their Folklore: A Project in Eastern Sumba

Angelika Riyandari, B. Retang Wohangara

This article presents a project of empowering local communities in eastern Sumba to preserve their folklore. Culture encounters in globalized world encourage local communities to reflect on the dynamics and vitality of their own culture. Given the fact that oral-based communities are marginalized in...

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Application of the Differentiated Learning Model in Advanced BIPA Courses

Prima V. Asteria, Ahmad G. Muzakki, Trinil Turistiani, Alda Setyawati

The aims of this study are (1) to describe the process of identifying the profile of students' characteristics in Advanced BIPA courses and (2) to describe the process of developing differentiated learning models in Advanced BIPA courses. The research method used is the ADDIE model development method,...

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The Importance of Embouchure Technique on Flute Major Course in Universitas Negeri Surabaya

Heri Murbiyantoro, Moh. Sarjoko, Raden Roro Maha Kalyana Mitta Anggoro

This paper discusses the importance of the embouchure technique in Indria Level (basic level) Flute Major Course, in Music Study Program, Universitas Negeri Surabaya. The purpose is students become formed and accustomed to playing flute with proper basic posture. Later, it facilitates practicing and...

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Fostering Students' Creativity Through Modelling as Teaching-Learning Process to Write Poetry for International

Students in University Level

Prima V. Asteria, Arik Susanti, Respati R. Utami

This research aims to describe how modelling was implemented in learning writing poetry for international students. The teacher took several steps to increase students' creativity in writing poetry, namely; 1) Prewriting/ modeling 2) Arrangement/ Brainstorming 3) Drafting/ Creating Poetry, and 4) Revising...

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Behaviors of Personal Meaning Marker Suffixes in Mandarin Language

Subandi Subandi, Xiao Renfei, Muhammad F. Masrur, Cicik Arista

Suffixes are constituents that form larger grammatical units, especially in the form of words. Each suffix has a specific function in forming the meaning type: the personal meaning type. Various suffixes form a single personal meaning in Mandarin, and each form has its specifications of personal meaning...

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Development of Learning Media Based on Videoscribe to Improve Learning Outcomes of Morphology Course

Mulyono Mulyono, Arie Yuanita, Dianita Indrawati

Learning media is an integral part of the lecture (learning) process. If it is

inappropriate and ineffective, it will disturb other learning components, and lecture competencies will be hampered. The learning media developed in this research is Videoscribe in the Morphology course. The goals is to describe...

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The Implementation of Portfolio Assessment in Japanese Learning at Senior High School

Lusi Asmaraningtyas, Miftachul Amri, Syamsul Sodiq

During distance learning in the middle of the Covid-19 pandemic, the e-portfolio assessment can be preferred as an alternative to other assessments. The purpose of this study is to find out; 1) how the implementation of e-portfolio in Japanese language teaching in SMAN 5 Malang is, 2) how to analyze...

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A Case Study of the Implementation of Alternative Psychomotor Assessment in Japanese Language Online Learning

Dhevi A. Hermawan, Miftachul Amri, Syamsul Sodiq

SMAN 10 Malang began implementing learning from home activities since the issuance of a circular from the government regarding the implementation of education policies during the Covid-19 emergency. Japanese language learning, which one of the subjects at SMAN 10 Malang, is also carried out online. With...

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Performance Management Optimization of Virtual Music Concert at SMKN 12 Surabaya

Dhani Kristiandri, Vivi E. Dewi, Moh. Sarjoko, Joko Winarko, Agus Suwahyono

This study discusses the optimization of performance management at SMK Negeri 12 Surabaya. The purpose of this study was to describe the process of optimizing performance management at SMK Negeri 12 Surabaya and to find out the students' response to performance management training during the COVID-19...

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Wacom Media as an Alternative in Kanji Beginner Learning for College Students in the Pandemic Period

Nise S. Sasanti

The Covid-19 pandemic has changed the education system into distance learning that requires media to deliver materials. Media are needed to help the implementation of a kanji learning is no exception. Kanji skills courses must be mastered by students. Wacom can be used to practice how to write kanji....

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Sandur Mandura Performance as a Source Creation of Jombang *Topeng* Dance

Setyo Yanuartuti, Jajuk D. Sasanadjati, Joko Winarko

Sandur Mandura performance has different characteristics from other Sandur performances in East Java. Also, the Sandur Mandura performance has forms and values that can be used as a source for creating or developing the Jombang Topeng (mask) dance. This study aimed to analyse the Sandur Mandura performance...

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What do I Have to Say? The Need of Pocket Book as a Helping Hand for BIPA Students

Him'mawan A. Nugroho, Hespi Septiana, Masilva R. Mael, Agus Ridwan

From time to time, Indonesian for Foreign Speakers (BIPA) continues to grow, including BIPA at Universitas Negeri Surabaya (Unesa). It cannot be denied that in its journey, BIPA Unesa encountered various problems. One of them is a report from a foreign student who was confused when he first arrived in...

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Phrases with Postposition *O* in *Minna No Nihongo Shokyuu* Textbook

The Study of Role and Function of Syntax

Roni Roni

Postposition o or particle o has various syntaxes' roles and functions. This article discusses the role and function of syntaxes postposition of o in consonant phrases in Minna no Nihongo textbook. The type of this study is descriptive qualitative. The study was started with the literature review of...

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Pride and Legacy of Cultural Heritage The Example of the Javanese *Panji* Tradition

Lydia Kieven

This article discusses the characteristics of the tradition of the mythological Javanese stories on Prince Panji, going back to the 12th/13th century, which are manifest in a broad variety of expressions in art and literature. The legacy of the rich Panji tradition represents an outstanding example of...

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Development of Pamekasan Batik Motifs as the Application of Product Diversifications

Fera Ratyaningrum, Trisakti, Indah C. Angge, Marsudi

Pamekasan Regency has batik products as the center of batik industrialization in Madura. More specifically, Klampar village. Pamekasan Regency has a batik industry center, one of which is Klampar village, Proppo

sub-district. The handcrafted batik of Klampar Village has a positive impact on the socio-economic...

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Literature Class Environments Rich in Texts Supporting the Excellent School Literature Movement

Yuliyati, Endang Purbaningrum, Sujarwanto, Ima Q. Ainin

Text-rich, interesting, and accessible literacy for Special Education Needs (SEN). This study aims to describe the embodiment of the text-rich, attractive, and accessible literacy classroom environment in supporting the literacy movement in Special Education Needs Schools. A qualitative approach with...

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The Problems of Performance Assessment of Japanese Language Subjects Based on E-Learning Using E-lingo Platform

Lenny Puspitasari, Miftachul Amri, Syamsul Sodiq

Distance Learning (DL) implementation began to be mandatory throughout Indonesia as part of efforts to suppress the spread of COVID-19. The implementation with E-learning model is applied in the teaching and learning process from kindergarten to higher education which demands innovative and accessible...

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Offering Dance in the Performance of *Topèng Dhâlàng* Madura as a Creative Industry Commodity

Eko W. Rahayu, Warih Handayaningrum, Jajuk D. Sasanadjati, Arief Sudrajat

This study aims to examine the criteria of offering dance forms in topèng dhâlàng performance as an industrial commodity. The topèng dhâlàng is a traditional dance performing art with the genre of dance drama in the Sumenep Regency of Madura, East Java. A characteristic of topèng dhâlàng is as the offering...

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Traces of the Power of the Proletariat Dictator in *Herta Müller's Herztier*

Wisma Kurniawati, Setya Y. Sudikan, Agus Ridwan, Ajeng D. Kartika

The peculiarity of the novel as a work of imaginative narrative prose is its element of continuity. The fictional world reaches the reader because of the narrator's mediation. Therefore, the narrator is the most crucial element for readers to understand the story in the novel. This article examined the...

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Grammatical Errors on BIPA Students (Indonesian Language for Foreign Speakers) in Writing Practice for Beginner Level

Hespi Septiana, Warsita N. Ardiyanti, Slawomir Dudek

Writing skill is one of the active language skills that is important in expressing ideas, thoughts, and feelings. Writing is also a difficult thing for BIPA students, especially for beginners with academic goals. The Indonesian language has the standard Indonesian grammar that BIPA students should understand...

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Use of the Female Language Marker Feature by 宁静 *Níng Jìng* in Interview Program 《星月对话》 *Xīngyuè Duihuà* Episode 10

Subandi Subandi, Dian A. Mahardini, Muhammad F. Masrur, Cicik Arista

Female speakers have special social characters as markers of personal identity when interacting in speech acts, namely, the features of female language markers whose characteristics are already attached to the identity of female speakers. They are identical to the speaker's character, namely, having...

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Comparative Language Styles in the Book of *Kike Wadatsumi no Koe*

Subandi Subandi, Masilva R. Mael, Lina P. Hartanti

The use of language style is a language activity reality that has a close relationship with language objectives. Language choice aims to represent thoughts, experiences, psychological conditions, and feelings. The comparative language style is found in a written language in the form of family letters,...

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The Revitalization of the *Meratus Dayak* Ritual in Paramasan (Ethnoanthropolinguistic Study)

Fajarika Ramadania, Haris Supratno, Setya Yuwana, Suhartono Suhartono, Darni Darni, Udjang Pairin

In the Bawanang Ritual in Paramasan, this study intends to (1) explain the language, (2) define technical systems, (3) describe livelihoods, (4) describe arts, and (5) describe systems religion. This study employs a descriptive-analytic method as well as a Spradley ethnographic methodology with anthropolinguistic...

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Argumentative Indicators in *Mata Najwa* Talk Show Pragmadiialectical Study

Kamariah Kamariah, Kisyani Laksono, Agusniar D. Savitri, Suhartono Suhartono, Darni Darni, Udjang Pairin

This article aims to find indicators of argumentation contained in the Mata Najwa talk show using pragmadiialectical studies. The data used in this study

was from a debate speech at the Mata Najwa event on the topic “Beres-Beres Kursi Menkes.” The method used was descriptive qualitative. The data collection...

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Canva as a Media for Exploration of Indonesian Tourism Knowledge in BIPA Learning

Octo D. Andriyanto, Meilita Hardika, Sukarman Sukarman

This article discusses characteristics, cultural and tourism insights, and creativity of BIPA students in 6th-grade elementary school at Surabaya European School through infographics or media Canva. BIPA learning requires creative selection, media usage, and strategies oriented to the learning process....

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Puppet as a Medium in Project-Based Learning (PBL) to Promote English Language Competencies EFL Students in Indonesia Setting

Ririn Pusparini, Bayu Widyanarko

Shadow puppets, known as wayang kulit in Indonesia, have been used to entertain and as a medium to spread Javanese values. A puppeteer, one who plays the puppets, must have competence in storytelling. Thus, shadow puppet becomes an effective way of teaching a language, exclusively for ELT. However, paper...

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Problem-Based Learning as a Solution to Textbook Style Analysis in Sociolinguistic Studies in Student Journal Articles

Agusniar D. Savitri, Kisyani-Laksono, Mukhzamilah

Not all sociolinguistic articles present the results of the analysis well, especially articles written by students. Most of the analysis is done by adjusting the data to the theory or in this paper. It is called textbook-style analysis. Problem-based learning is considered to be a solution to these problems....

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Development of Interactive Teaching Materials for the *Freier Vortrag* Course to Improve the Speaking Competence of Students of the German Education Study Program

Tri E. Lestari, Dwi I. Julaikah, Agus Ridwan, Novia R. L. Ramadhani

The general objective of this research is to develop interactive teaching materials for the Freier Vortrag course to improve speaking competence of students of the German Language and Literature Department. The specific objectives of this study are (1) to describe the process of developing Freier Vortrag...

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EFL Learner's Thinking in Argumentative Writing

Betharia br. Sembiring Pandia, Berlin Sibarani

The objective of this study was to describe the EFL learners' thinking in writing argumentative text. The topic of their writing was determined entitled of Should social media be banned?. The EFL learners' thinking was based on the existence of logic of argumentation proposed by Toulmin, they are: claim,...

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Japanese Nature Themed Imagery in 俳句 *Haiku* by Matsuo Basho (Stylistic Studies)

Ina I. Pratita, Parastuti Parastuti, Roni Roni

This study focuses on the study of stylistics, namely the process of analyzing literary works by examining the elements of language as the medium of literary works used by writers. It can be seen how writers treat language to express their ideas (subject matter). Stylistics studied imagery, which is...

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Developing Students' English Skill Through Digital Video as Multimodal for Young Learners in Online Learning

Arik Susanti, Careninda Presdyasmara, Fadilla Dewi, Yunita Wardani

This study described EFL young learners how to develop their English using digital video as multimodal in online learning. Recently, all the processes of teaching-learning have been conducted in online learning mode. Therefore, technology has an important role to motivate students, especially young learners,...

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Body Language and Gestures as a Lingua Franca among Multilingual Interlocutors: Multimodal Transcription Study

Cynthia L. Soegiono, Laily M.S. Harti, Sueb Sueb

Lingua franca is known as the language bridge between two different people who have different native languages. The theory stated that humans communicate by using vocal organs and the whole part of the body. This study was conducted to seek out whether non-verbal language could be considered lingua franca....

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Kanji Flashcards and Apps Based on Augmented Reality

Mukhammad S. Alfarisy, Erika S. Damayanti, Rizky Hidayah, Nise S. Sasanti

Kanji is one of the characters that must be mastered by students who are learning Japanese, apart from mastering hiragana and katakana. Based on the students' experience of difficulty in learning and memorizing kanji, flashcard is a method that can assist the memorization process. Therefore, this study...

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Presupposition of Hoax Discourse in *Tilik* and *Gossip* Movie

Lisetyo Ariyanti, Lina P. Hartanti, Adam Damanhuri, Asrori Asrori

The form of hoax discourse can be seen in movies entitled *Tilik* and *Gossip*. *Tilik* movie tells how the main character spread hoax information. In *Gossip* movie, the story centers on three main characters who plan to spread hoax information and track how far the public receives the hoax information.

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The Meaning of *Wagashi* as a Reflection of Japanese Cultural Values in the Drama Entitled *Watashitachiwa Douka Shiteiru*

Ina I. Pratita, Masilva R. Mael, Parastuti, Yovinza B. Sopaheluwakan

The culture of eating (*shoku bunka*) in Japan has become known to the world community today. These include sweet cakes known in Japanese as *wagashi*, which are usually served at the same time as the tea ceremony (*chanoyu*).

Wagashi has various types, and is made based on the conditions and philosophy contained...

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TikTok Function in the Millennial Era

Anik Juwariyah, Noodiana Noodiana, Enie Wahyuning

This study aims to describe the function of TikTok application in the millennial era. The research was conducted to explore the phenomenon of TikTok popularity, which is growing particularly in the YouTube platform in our society. TikTok has become a material expression not only for Indonesian millennials,...

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Revealing the Role of Electronic Media in Shaping Multilingual Children

Andini S. Athalia, Asrori Asrori

Natural bilingual children are those whose languages are acquired through their parents and community. However, this paper aims to analyse how bilinguals are shaped early within their life as children through the help of electronic media. This method aims to reveal the role of electronic media in shaping...

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Iconic Illustration as Tourism Identity of Surabaya Submarine Monument

Nova Kristiana, Asidigisianti S. Patria, Hendro Aryanto

The Submarine Monument Monkasel is one of the evidence of maritime glory

in Surabaya. Monkasel is one of the heritage tourism and education in the maritime sector that has an attraction for tourists. The purpose of this research is to design heritage icons, and to brand Surabaya heritage tourism so that...

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Literacy Practices in Some Folklores from Madura

Mamik T. Wedawati, Much. Khoiri, Dwi N. C. S. Kusumaningtyas

Defining the literacy practices in three folklores, written by Zawawi Imron, include Joko Taal, Ni Peri Tanjung Wulan, and Karapan Sapi is the purpose of the study. Some books of the folklore, journals articles, and textbooks that cope a theory from Barton and Hamilton explaining literacy practices and...

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Teaching Methods in Indonesian Curriculum

An Analysis Using Video Recordings of History Lessons

Ira Darmawanti

This study analyzes videos in which teacher candidates applied the 1994 Indonesian curriculum in the delivery of a history lesson during practice instruction. The curriculum was challenging to implement as it required students to master all the subject lessons. This in turn meant that teachers, including...

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The Use of Women's Language Features by Kamala Harris in the Vice-presidential Debate

Britney C. Joseph, Lina P. Hartanti, Ayunita Leliana

The number of women attaining leadership positions in governmental institutions is significantly increasing. The growth of recognizing women in the political sphere prompts the need for this paper to explore how women maintain power and authority on the 'floor' through their language choices. To that...

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Preserving Indonesian Internet Literature

The *cybersastra.net* Online Literacy Magazine

Mohammad Rokib

The increasing emergence of internet literature in Indonesia called cybersastra has been widely discussed in the last two decades. It refers to an online literary magazine published in 2000 and in 2005. Since its popularity, many scholars and writers use it to describe various literatures. However, the...

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i-Maties: Indonesian Translation on an Instrument for Teachers Attitudes Towards Inclusive Education

Khofidotur Rofiah

A cross-cultural study has been performed for decades to enhance inclusive education across diverse cultures and groups. However, even with instruments explicitly built for cross-cultural research, researchers encounter translation challenges from the source language to the target language. Thus, translation...

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Profiling Squat Assessment Among Sport Enthusiast

Miftachul Iman An'faiz, Achmad Widodo, Febby Alfu Khoirun Nissa, Awang Firmansyah, Dwiky Oktavrianto, Zulhamshah Zein Saputra

Fitness has a vital role for sports enthusiast's physiological and psychological aspects. One of the fitness movements that correlate with daily activities is squats. This study aims to look at the profile of the squat assessment of gym members. Descriptive quantitative data were collected with 41 respondents...

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The Profile Countermovement Jump for Kick Boxing Athletes

Muhammad Reza Aziz Prasetya, Awang Firmansyah, Dede Rahman, Jeffry Oktavian, Asep Aziz

The countermovement leap (C.M.J.) is described as a easy, practical,

legitimate, and exceptionally dependable degree of lower frame energy. C.M.J. is the maximum dependable degree of lower frame strength compared to different leaping assessments. The C.M.J. has also been shown to be associated with dash...

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Using Shanghai Municipal Data to Examine the Impact of Education on the Exercise Behavior of Students

Cheah Hon Foong, Catur Supriyanto

The competitive education environment in China encourages students to take additional private tutoring as they advance through their education system. We examine whether their incentive to take extra tutoring classes will undermine their propensity to exercise, potentially affecting their long-term health....

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Prediction Model for Health-Related Fitness Status Using Discriminant Analysis

Bayu Agung Pramono, Yetty Septiani Mustar, Hijrin Fitriani, Nurhasan

Physical fitness represents the well-being of an individual and figures in measuring individual daily activities. This research aims to differentiate the physiological variables in distinguishing man fitness status without physical tests. The subjects of the examination amounted to 60 men aged 17-23...

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Analysis of Young People's Physical Activity in East Java During the Covid-19 Pandemic

Ananda Riski Tarigan, Bayu Agung Pramono, Yetty Septiani Mustar, Dewa Wijaya, Hafid Yusuf

The COVID-19 pandemic has brought about significant changes in human movement activities. My activities, especially physical activity, are one of the non-pharmacological N77 treatments that can have a positive impact on humans. This study aims to determine the biological activities carried out by adolescents...

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Gating Analysis on Woodball: in Terms of Biomechanics

Fajar Awang Irawan, Bayu Setyo Utomo, Muchamad Arif Al Ardha

The purpose of this study was to analyze the gating motion of woodball athletes in terms of biomechanics. The method used in this study was descriptive quantitative with a total sample of 8 athletes participating in this study. This study has passed the Ethical Clearance of Universitas Negeri Semarang,...

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Predictors of Overweight and Obesity Among Children and Adolescents in Developing Countries: A Literature Review

Anindya Mar'atus Sholikhah, Nik Anni Afiqah Hj Mohd Tuah

Overweight and obesity have been a global pandemic over the years, with their prevalence increasing at an alarming rate. It has become a severe health problem that severely affects health and quality of life. The aim of this study is to elucidate the factors linked to overweight and obesity among school-aged...

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Assessment of Social Values for Sport: Innovative Assessment in Higher Education

Eko Purnomo, Amung Ma'mun, Nurlan Kusmaedi, Yudy Hendrayana, Yusuf Hidayat, Nina Jermaina, Eddy Marheni

Sport does not only play a role as a competition or achievement. Mark has a much more significant role in social life, such as increasing social value for the perpetrators. The research objective is to develop and validate an assessment instrument related to social values. The experts used in this study...

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Health Management of Indonesian Athlete in Covid-19

Catur Supriyanto, Setiyo Hartoto

In the Covid-19 era, Professional athletes have been compelled to reschedule their training plans to maintain their condition while at home due to postponed several large-scale sporting events. As a consequence, health management becomes one of the critical issues that should be prepared in detail. This...

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Innovation Throw and Catch Handball by Frisbee at Students of Riau Islamic University

Leni Apriani, Joni Alpen

The study aims to obtain empirical data on the success rate of handball catch through Frisbee games in college students. The Class Action Research Method (PTK) used is class action research conducted to improve the quality of learning practices in the classroom. PTK focuses on the school or teaching...

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Development of Life Skills Through Physical Education and Sports

I Kadek Suardika, Amung Ma'mun, Nurlan Kusmaedi, Dian Budiana

This study aims to determine the impact of physical education on high school students' life skills. The research method used is an experimental research

design with one group pretest-posttest design. The number of samples was 51 people divided into three groups—sampling using the purposive sampling technique....

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An Essential Starting Point for Re-Education of Sport and Physical Activity (PA) Promotion

Henry Joe Tucker, Lutfhi Abdil Khuddus, Nur Ahmad Arief, Yongky Dwi Adi Priyanto, Andhega Wijaya, Youqiang Li

Due to the increasing global pandemic (COVID-19), sports and exercise are increasingly important in our lives. Staying in a confined environment without physical activity for months as a precaution to control or stop the spread of the virus carries many health and psychological consequences. As a result,...

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Acceleration of Sports Recovery with Glutamine Supplementation in Vertical Jump and Badminton Smash Velocity

Himawan Wismanadi, Fatkur Rohman Kafrawi, Soni Sulistyarto, Abdul Aziz Hakim, Afif Rusdiawan, Lutfhi Abdil Khuddus

The purpose of this study was to determine the effect of glutamine supplementation on the ability of vertical jump and smash velocity after badminton's jumping smash. The research used a pre-post two-group design

using 20 trained male athletes from the State University of Surabaya. The research sample...

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Sport Talent Identification of Elementary and Junior High School in Situbondo Regency

Mochamad Purnomo, Donny Ardi Kusuma, Afif Rusdiawan

One of the critical things in producing high-achieving athletes is identifying the talents and interests of the athletes. Sportkompas is an application to find out someone's skills and interests in the sport. This study aimed to determine the sports talents and interests of elementary and junior high...

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Biomechanics Analysis of Arm Flexion Isometric Force, Upper Extremity Movement, and Ball Toss Position Towards Ball Speed in Tennis Flat Serve

Setiyo Hartoto, Muchamad Arif Al Ardha, Awang Firmansyah, Bayu Budi Prakoso, Satwika Arya Pratama, Panji Bana

This study analyzed arm flexion isometric force, upper extremity movement, and ball toss position toward ball speed in tennis flat serve. Nine tennis players aged 20.78 ± 5.044 years old participated in this study and were chosen as research samples by using the purposive sampling method. The independent...

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Effect of Plyometric Jumping Jack and Tuck Jump Against Strength and Leg Muscle Power in Martial Arts Athletes at Kostrad Malang

Abdul Hafidz, Shidqi Hamdi Pratama Putera, Afif Rusdiawan

The purpose of this study was to determine the effect of jumping jack and tuck jump exercises on leg muscle strength and power. The subjects of this study were the Pencak silat athletes of the Branch Kostrad Company-C, totaling 30 people who were divided into three groups with ten people in each group...

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Correlation Between Psychological Well-being and Satisfaction of Life on Physical Education Teachers

Anung Priambodo, Bayu Budi Prakoso, Setyorini

Psychological well-being is one aspect of positive psychology that is believed to predict mental health and satisfaction of life before the Covid-19 pandemic. It is necessary to examine the relationship between psychological well-being and satisfaction of life, especially for physical education (PE)...

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Physical Activity During the Covid-19 Pandemic in the State Civil Apparatus of Gresik Regency

Abdul Hafidz, Muhammad Zaky Purnomo, Afif Rusdiawan

This study aims to describe three subject points, namely: a) What sports activities are selected by the State Civil Apparatus of Gresik Regency during the pandemic Covid-19, b) What percentage of sports are dominantly carried out by Gresik Government Employees during the Covid-19 pandemic, c) How much...

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Sedentary Activity Level of Junior High School Students in Surabaya during the Covid 19 Pandemic

Hijrin Fithroni, Afif Rusdiawan, Donny Ardy Kusuma, Awang Firmansyah

The purpose of this study was to determine the level of passive activity of Surabaya Junior High School students during the COVID-19 pandemic. This research design is cross-sectional; one hundred fifty-one respondents from SMP 59 Surabaya were recruited as samples in this study. The variable measured...

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The Investigation of "MissFit" as Android – Based Daily and

Healthy Drink Application

Dwi Cahyo Kartiko, Setya Chendra Wibawa, Aisyah Fitri Azzahrah

The imbalance of caloric intake that enters the body will lead to diseases and health problems that hinder human productivity. One of the efforts taken to balance the intake of calorie consumption is to have related information. Along with the times and technology that can be grasped by almost everyone...

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Student Perceptions Related to Physical Education Online Learning During Covid-19 Pandemic

Mochamad Ridwan, Agidia Dwi Veronika Saputri, Ira Pratiwi, Veranda Putri Cahyaningtias

Online learning has many views from all students, so it is necessary to know how students perceive it. This study aims to see the perception of students related to online learning of physical education. The author uses non-experimentation with a quantitative descriptive approach—subjects who have sampled...

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The Evaluation of Pétanque Organization Management and Youth Athlete Development in East Java Province, Indonesia

Muchamad Arif Al Ardha, Nurhasan, Andhega Wijaya, Panji Bana,

Muhammad Kharis Fajar, Sri Wicahyani, Kolektus Oky Ristanto, Nur Salsabila Rhesa Pandhadha Putra, Erta, Hapsari Sinta Citra Puspita Dewi, Ainun Zulfikar Rizki

Management has an essential role in managing various groups or organizations to achieve the goals. This study aimed to evaluate the Pétanque organization management and youth athlete development in east java province, Indonesia. The study was conducted in qualitative with an ethnography approach. The...

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Urban-Rural Children Differences in Motor Coordination, Cardiorespiratory Fitness, and Agility

Riza Adriyani, Dody Iskandar, Lia Siti Camelia

Rural children tend to be more active than urban children, which might affect both motor skills and physical fitness components. This study aimed to examine the effects of a living area on motor coordination, cardiorespiratory fitness levels, and Agility. We also investigated the relationship between...

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Self-Reported Assessment of Occupational Sitting and Physical Activity Among Employees

Yetty Septiani Mustar, Febby Alfu Khoirun Nissa, Agus Hariyanto, Bayu Agung Pramono, Indra Himawan Susanto

The high prevalence of sedentary behavior among workers is an emerging health concern due to the negative impact on human health. This study aimed to evaluate employees' sitting behavior and physical activity during their working time. A total of 130 employees participated in this study, with an average...

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Development of Mini Boxing Models for Early Age Athlete Coaching

Wijono, Nining Widyah Kusnanik, Bayu Agung Pramono, Eva Ferdita Yuhantini

The purpose of this study was to develop a boxing training model for early childhood. This research is development research using Gall & Borg. A total of 209 students aged 11-12 years, 39 teachers, three trainers, three referees, and two doctors participated in this study. Based on the analysis of...

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Sociodemographic Correlates of Hypertension Among Older Adults: A Community Based-Cross Sectional Study

Ratna Candra Dewi, Anindya Mar'atus Sholikhah, Purbodjati

Hypertension is one of the most common diseases affecting people of all ages, especially among older adults. The prevalence has increased steadily over the past decades, contributing to the increasing epidemic of noncommunicable diseases and all-cause mortality worldwide. The purpose of this study is...

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The Impact of the Covid 19 Pandemic on the Intrinsic and Extrinsic Motivation of *The Panel Futsal Club* During Covid-19 Pandemic

Rifqi Anas, Dewa Kusuma, Fransisca Wijaya, David Prianto

Motivation has a vital role in sport. In March 2020, WHO (World Health Organization) declared that covid 19 was a pandemic because all citizens have the potential to catch the virus. The purpose of this study was to assess and know the level of intrinsic and extrinsic motivation of futsal athletes from...

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A Pattern of Physical Activity and Its Determinants in Office Workers

Arifah Kaharina, Ratna Candra Dewi, Raymond Ivano Avani

The increase in non-communicable diseases can be caused by unhealthy community behavior, including low physical activity. Various benefits of physical activity include reducing the risk of degenerative diseases and depression. In addition, physical activity is the key to energy expenditure which is very...

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Condition of Program Learning Outcomes of Physical Education Study Program from Alumni Perspective

Suroto, Bayu Budi Prakoso, Sudarso, Vega Candra Dinata

The completeness of the Program Learning Outcomes (PLO) listed in the curriculum in a study program has been monitored through assessments carried out in each subject for students. Assessment is objective from one side of the lecturer based on students' performance attending theoretical lectures and...

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Biomechanics Analysis of Elementary School Students' Fundamental Movement Skill (FMS)

Muchamad Arif Al Ardha, Chung Bing Yang, Nurhasan, Dwi Cahyo Kartiko, Bambang Ferianto Tjahyo Kuntjoro, Kolektus Oky Ristanto, Andhega Wijaya, Kartika Rinakit Adhe, Kukuh Pambuka Putra, Fajar Awang Irawan, Rizky Patria Nevangga, Niken Sasadhara Sasmita, Ainun Zulfikar Rizki

Fundamental movements are part of teaching objectives in the physical education curriculum for elementary schools students. This study aimed to analyze the elementary school students' basic movement skills (FMS) using the kinematic approach. The fundamental movements in this research were correlated...

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Palang Pintu: Exploring Cultural Philosophy Value of Betawi Community

Titi Handayani, Putri Hidayah, Aulya Safiyana Nuuril Anwari, Andhy Trianto, Indra Himawan Susanto, Yetty Septiani Mustar

Palang Pintu is one of the traditions among the Betawi community, which combines martial arts with Pantun literature passed down from generation to generation by the Betawi tribe. However, with the current culture acculturation, the district has begun to forget this tradition. This qualitative research...

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Community Engagement to Increase Physical Activity During the Covid-19 Pandemic

Dede Rahman, Riska Devi Kurniawati, Nanda Agil Bagus Wicaksono, Muhammad Maulana Yossyan Fachrozi, Yetty Septiani Mustar

It is widely known that physical activity can improve quality of life and health. In addition, regular physical activity is also associated with the improvement of fitness and immunity. This community service activity aims to educate the community of Dusun Wangun about the importance of physical activity...

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Sedentary Behavior Among School-aged Students During Pandemic: A Cross-Sectional Study

Rizky Maulana, Yetty Septiani Mustar, Anindya Mar'atus Sholikhah, Bayu Agung Pramono, Indra Himawan Susanto

It is well established that sedentary behavior is associated with obesity, quality of life, all-cause, and cardiovascular death. Along with the COVID-19 pandemic, sedentary behavior is increasing. This study aims to describe sedentary activity among school-aged children. Participants of this study were...

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Risk Assessment of Groundwater Quality: A Case Study in Flood-Prone Neighbourhood Area of Pondidaha, Southeast Sulawesi

Nurmaladewi, Yetty Septiani Mustar

Groundwater quality is crucial for human life. Water resources and quality are also closely related to human health, as they can be utilized as a domestic resource. Water quality can be disrupted due to various contaminants and sediments caused by floods, which negatively impact human health, mortality,...

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Profile of Taekwondo Athletes in Situbondo Indonesian

Muhammad Kharis Fajar, Imam Marsudi, Nugroho Agung S, Ainur Rasyid, Bayu Agung Pramono, Andi Fepriyanto

This study aimed to determine the profile of physical condition by measuring the level of physical illness and physiology of Taekwondo athletes in the Situbondo Regency. A total of 8 athletes as research subjects. The study results consisted of physical conditions, which were divided based on anthropometrics...

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Analysis of the Physical Condition of Pasuruan Finswimming Athletes

Muhammad Dzul Fikri, Achmad Widodo, Awang Firmansyah, Testa Adi Nugraha, Andika Bayu Putro, Mokhammad Riyad

The focus of this study was to determine and analyze the level of physical condition possessed by diving athletes in Pasuruan. The data obtained will be used as material for development and a benchmark for physical conditions that divers must own at the provincial level in other regions. This study used...

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A Study on Information Regulation as a Legal Instrument for Protecting E-Consumers During COVID-19 Pandemic Outbreak

Norhasliza binti Ghapa, Farhanin binti Abdullah Asuhaimi

The COVID-19 is an infectious respiratory disease caused by a novel coronavirus, severe acute respiratory syndrome coronavirus 2 (SARS- CoV-2) which is primarily transmitted between people through respiratory droplets and contaminated objects; airborne transmission may be possible in specific circumstances....

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The Understanding of Universitas Negeri Surabaya Students of Sexual Violence on Campus

Elisabeth Septin Puspoayu, Dian Ayu Larasati, Iman Pasu Marganda H. P., Graciela Natasha Tesselonica Lektonpessy, Laily Wahyuningtyas Putri Hariono

A violence that happens against women has become an interesting discussion. Indonesia has been in an emergency situation at protection from sexual violence mainly for women. Law No. 23 of 2004 on Elimination of Domestic Violence, Law No. 23 of 2002 which has amended by Law No. 35 of 2014 on Amending...

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The Concept of Fitness for Purpose of Goods in Malaysian Today's Online Contract: Issues and Challenges

Farhanin binti Abdullah Asuhaimi, Zuhairah Ariff binti Abd Ghadas, Nazli Ismail Nawang, Norhasliza binti Ghapa

The advanced technology and the user-friendly features of many e-commerce

websites in Malaysia make many Malaysian consumers opt to buy their necessities using online platforms rather than the traditional face-to-face method. When the Prime Minister made an announcement of the Movement Control Order...

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Corporate Governance Framework for Shariah Compliant Corporation

Hartinie Abd Aziz, Zuhairah Ariff Abd Ghadas

Corporate governance emphasise on the moral and ethical dimensions of managing a company's business. The word corporate governance refers to a system of control of corporation and systems of accountability of those in control. The High Level Finance Committee Report 1999, defines corporate governance...

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Legal Aspects of Intellectual Property Rights in Accreditation Instruments of Study Program Performance Reports

Muh. Ali Masnun, Denial Ikram, Niken Nur Angeli Byfitia Saputri, Tasya Destinasari

The purpose of this study is to analyze the legal aspects of IPR related to Study Program Performance Reports (LKPS) as one of the aspects of assessment in the study program accreditation instrument and is stipulated in PERBAN-PT No. 2 of 2019. LKPS requires a letter of determination in the form of a...

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Limited Company Beneficial Owner Liability in Criminal Acts of Corruption

Fernando

Corruption crimes can be committed by forming LLCs for the express purpose of commissioning corruption crimes and then disguising or disguising the proceeds of such crimes for profit. As was later determined by international bodies such as the OECD, the FATF and the G20, LLC was used by the so-called...

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The Integrity of the Public Prosecutor in Law Enforcement Within Pancasila Characteristic

Fernando

An important feature of a legal system is the prosecution of crime by the public prosecutor, who is the main advocate of applying the law according to social norms. In carrying out its strategic role, it turns out that there are several practical problems related to its capacity and ability to carry...

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The Fulfilment of Political Rights of Surabaya Covid-19 Patients at the 2020 Simultaneous Elections in the During Pandemic

Iman Pasu Marganda H.P., Alifia Widianti, Irma Lianna Nabilah

The state must be responsible for fulfilling the political rights of every citizen. Political rights are one of the human rights that cannot be reduced by the state. Even though at the time of the 2020 Simultaneous Elections in the During Pandemic, Indonesia was experiencing the Covid-19 Pandemic, the...

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Rejection Demonstration of *UU Cipta Kerja* Omnibus Law in Perspective Ralf Dahrendorf's Conflict Theory

Nadzir A. Firdaus, Agus M. Fauzi

As a law country, laws have a very important role in regulating the hustle and bustle of the nation and state. The legislative body as an institution that has the authority to compile and draft laws, of course, in the drafting process it has considered various aspects so that finally a law is created...

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The Covid-19 Pandemic and Its Relation to the Commercial (Economic) Law, Labor Law, State and International Role

Nomensen Freddy Siahaan

The Covid-19 pandemic is an epidemic global. This affects many things such

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Communication in the Implementation of Child Social Welfare Program (*PKSA*) as an Effort to Fulfill Welfare of Street Children

(Study at East Jakarta Social Service Sub-Dept.)

Ni Putu Ruslina Darmayanthi, Badrudin Kurniawan

The Child Social Welfare Program (PKSA) is a form of integrated, directed, and

sustainable effort that carried out by the government and the community in the form of social services and conditional child social welfare assistance which includes: a) social assistance/fulfillment of basic rights; b) increasing...

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Development of Disaster Geography Teaching Materials Due to Microorganisms for Geography Education Undergraduate Students

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ABSTRACT

From the perspective of geography, the concept of biological disaster, especially concerning human health, can be viewed from the distribution and environmental conditions. Distribution is caused by the dynamics of the mobility of humans or certain animals. While the environment plays a role in conditions that allow viruses or bacteria to survive longer. The purpose of the study was to compile the contents of disaster materials caused by microorganisms with the perspective of geographical studies and to determine the feasibility of material for disasters caused by viruses in the perspective of geographical studies to be prepared as teaching materials in the form of handouts. The research method uses a modified R&D from Borg and Gall. The research flow that will be carried out includes needs analysis, initial product development, expert validation, limited trials, and product revisions. The instruments measured include the perspective of geography, case examples, language, pictures, layout, instructional, task, and motivation. Descriptive analysis by describing the data that has been processed using tables and graphs as well as explanations of the data in collaboration with concepts and previous research. The results show that the content and structure of the material, the handout teaching materials are from the perspective of geographical studies. Contents have presented the distribution of disease facts at international and national levels, as well as physical and human environmental factors as the cause of the distribution. Handout teaching materials deserve to be tested in learning because the feasibility level is high. This is because the measured variables show 80% to 87%. Based on the conclusion, this research provides suggestions that the content still needs improvement in the aspect of disaster risk. In addition, limited trials are needed face-to-face in class.

Keywords: *teaching, materials, microorganism, disaster, geography, feasibility*

1. INTRODUCTION

The Disaster Geography course has long been developed as material in the undergraduate geography education program. In general, these materials are based on geosphere phenomena, as material objects for geography. Geosphere phenomena that cause disaster vulnerability include the lithosphere, pedosphere, hydrosphere, atmosphere, biosphere, and anthroposphere. The lithosphere triggers volcanic eruptions, earthquakes, tsunamis. The pedosphere is one of the triggers of landslides. The hydrosphere triggers floods, and so the atmosphere triggers floods and storms. For the anthroposphere in general, it is a disaster due to social conflict. For biosphere disasters, including pest outbreaks that threaten crops.

From a geographic perspective, the concept of biological disasters, especially those concerning human health, can be viewed from the distribution and environmental conditions. Distribution is caused by the dynamics of the mobility of humans or certain animals. While the environment plays a role in conditions that allow viruses or bacteria to survive longer.

In the world of health, the existence of microorganism outbreaks that cause human casualties is widely known as an extraordinary event (*Kejadian Luar Biasa / KLB*) or a pandemic. An outbreak occurs in a certain area, while a pandemic occurs on a broader regional scale such as throughout the country or the world. This situation can be compared to a disaster following the concept of Law of the Republic of Indonesia Number 24 of 2007 concerning

Disaster Management [1]. A disaster is an event or series of events that threatens and disrupts people's lives and livelihoods which are caused, either by natural factors and/or non-natural factors as well as human factors, resulting in human casualties, environmental damage, property losses, and psychological impacts.

The absence of teaching materials and materials that discuss disasters caused by microorganisms in a geographic perspective is more because the geosphere phenomena studied so far are mostly in the physical and human aspects. Biological disaster aspects that have been studied are more on multi-celled creatures as pests to plants. Meanwhile, microorganisms in the form of viruses or bacteria are still very rarely studied by geographers. The covid-19 pandemic incident made us aware of the need for a rather in-depth study related to this health disaster.

For the study of geography education, the development of teaching materials related to disasters still focuses on hydro-climatology and geology. Teaching materials that discuss disasters caused by biology specifically related to human health have not been found. Based on this background, this study aims to be as follows. First, compiling content on disasters caused by microorganisms following the perspective of geographic studies. Second, knowing the feasibility of teaching materials for disaster handouts due to limited microorganisms to be tested.

2. METHODS

The procedure used is a modification of Borg and Gall (1983) [2]. The method includes the following five steps. (1) Analyzing the needs of the product to be developed, (2) developing the initial product, (3) expert validation and revision, (4) small-scale trials and productrevisions, and (5) large-scale trials and final products. This research only reaches Step 4.

Analysis of product needs was carried out on respondents consisting of geography education lecturers, geography teachers, and undergraduate geography education students. The instrument used is an ordinal measure with a Likert scale. The instruments include: (a) geographic perspective, (b) case examples, (c) language, (d) pictures, (e) layout, (f) assignments, (g) material flow, and (h) motivating. Handout validation was carried out by experts who were lecturers with expertise in educational technology and expertise in health geography. The sample of the small-scale trial was the 5th semester of S1 Geography Education students who were conducted online.

The analysis was carried out descriptively by describing the data that had been processed using tables

and graphics with Excel software. The percentage of the number of criteria from the respondents indicates the level of feasibility for use in small-scale learning. The data processing weight obtained is grouped into five classes of feasibility handouts for preparation as teaching materials on a small scale and a basis for large-scale trials. Table 1 presents this.

Table 1. Handout criteria for eligibility for preparation as teaching materials

| No. | score | % | criteria |
|-----|---------|----------|-----------|
| 1 | 8 - 11 | 33 - 47 | Very low |
| 2 | 12 - 15 | 48 - 65 | Low |
| 3 | 16 - 19 | 66 - 80 | Moderate |
| 4 | 20- 23 | 81 - 96 | High |
| 5 | 24 | 97 - 100 | Very high |

3. RESULTS AND DISCUSSION

Analysis of teaching material needs is made following the demands of competencies that must be mastered by students. These competencies are arranged based on the needs in the real life of the community. The current corona event that is felt by the public has made them realize that biological disasters due to viruses have not been widely developed as teaching materials.

For the question of the need to develop material for biological disasters due to viruses, 36 respondents or 94.4% agreed that it needed to be developed. Based on this, it shows that biological disasters due to viruses are a necessity that must be present in disaster geography studies. This material can later complement the material for disasters due to hydro-climate, geology, and social issues.

Given that there are many types of virus hosts that can cause disasters, the next question is whether the material being developed includes all viruses or only part of it. Answer Concerning this, it shows that 94.4% agreed that all types of viruses need to be studied. These results determine the existence of 3 studies on the dangers of microorganisms that cause the diseases discussed, namely dengue fever, tuberculosis, and corona.

The next question is related to the existence of virus-induced disaster material in the study of disaster geography. There are 80.6% of respondents who agree that in geography studies there have not been many studies on disasters due to viruses. in disaster geography studies have not discussed biological disasters due to viruses.

Product development is carried out based on the concept of a geographic study structure. Disaster geography is a response to geosphere phenomena that cause danger in the earth's surface. Figure 1 illustrates the

relationship between the concept of biological disasters in geography.

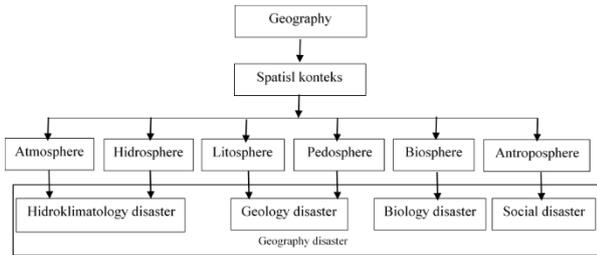


Figure 1. The relationship between the concept of biological disasters in geography

Furthermore, the product is validated. The validation results after a single revision of teaching materials show a score of 87% of health geography material experts and 91% of educational technology experts. This score has shown the feasibility of high teaching materials, meaning that it is feasible to be tested.

Field trials produce answers to questions that are indicative of learning outcomes. Problem 1 is included in the type of low-level thinking skills. Questions 2 and 3 fall into the types of high-order thinking skills.

The results of the answers to work on the questions show that 80% of students with a value of > 80 are dominant in question 1 of low-level thinking skills. For questions on the type of high-order thinking skills, only 47% and 33% were fulfilled. This shows that student learning outcomes are still dominant in solving low-level thinking problems rather than high-level thinking problems. If it is related to this handout teaching material, it can be stated that the handout teaching material has not been able to encourage students to think at high levels. Figure 2 presents the learning outcomes.

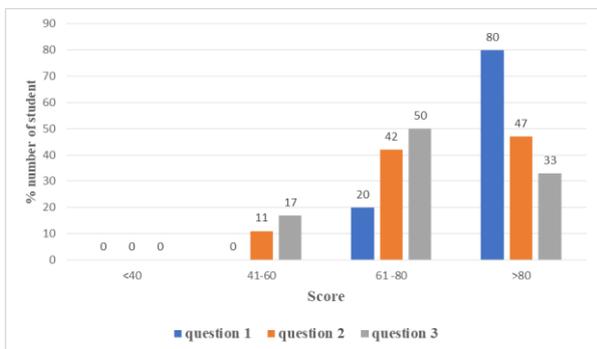


Figure 2. Learning outcomes are based on the percentage (%) of the number of students at a certain grade-level achievement. Problem 1 is the type of low-level thinking problem and question 2 and 3 types of high-order thinking problem

Within the limitations of this handout teaching material, many things that can be presumed have not been able to encourage students to think at high levels. However, when viewed from the feasibility level of the handout teaching materials, the handout teaching materials have a high level of feasibility. This can be seen from the high percentage of 46%. Meanwhile, very high is only 17% lower than moderate, which is 26%. Likewise, there are still those who have a low to a very low opinion of 11%. The achievement of feasibility is very high, indicating that the teaching material still has weaknesses. Figure 3 presents the feasibility level of handout teaching materials to be tested.

The high feasibility level can be seen from the calculation of the total score which shows 80% - 87% for the eight instruments. Figure 4 presents the percent of the total instrument score.

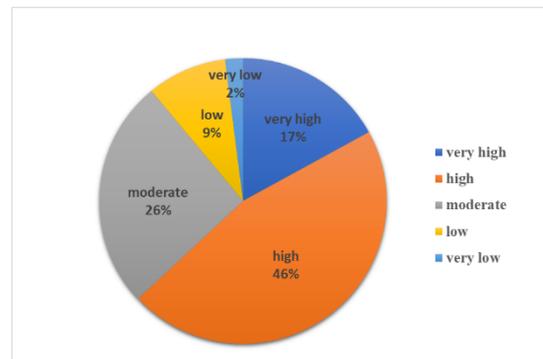


Figure 3. The level of eligibility is based on the student handout teaching materials to be tried out.



Figure 4. Presence (%) of Total Variable Score

The variable with the lowest percent value is the task that encourages the analytical ability to solve problems. Assignments in the form of questions are used to measure learning outcomes. The low-level thinking type test problem explains several definitions. Meanwhile, higher-thinking test questions are an act of analysis based on general problems and specific problems. The weakness

of the questions in this teaching material is that the validation is not specific and comprehensive. This is because the question validation is still limited to learning outcomes. But validation should be interpreted in the form of interpretation of the test results, the theoretical basis of thought which is the foundation of interpretation, and actions based on that interpretation [3]. This means that the existing questions have not arrived at the assessment of the action resulting from understanding the material. It is suspected that this is the reason students achieve low scores on problem-solving using high-order thinking type questions.

Other variables that are in the position after the test questions are problems with language, layout, and pictures, as well as case examples. In general, the language used has fulfilled the enhanced spelling. Language has followed the order of subjects, predicates, objects, and descriptions that are not too long. This makes for a pleasant sequence of words and sentences to read. At least the use of good language must meet the rules of grammar and sentences are not long [4].

For the layout, the writing and pictures do not fill the entire page. This is so that it doesn't seem crowded on every page. The side of each page has a relative space with an image inserted. The image is adjusted to the topic being discussed on that page. Images are intended to reinforce the existing explanation. Images are divided into visuals in the form of maps, flow charts, and illustration images.

There is always a case study on each topic. Case studies are based on existing research results and facts in an area. Case studies rely on the context of the facts that have been analyzed so that they will provide accurate information. Facts and analysis of cases are the best learning resources for understanding the material.

Based on the variables of layout, language, and pictures as well as case studies, it shows that this teaching material can improve learning outcomes. This is because handout teaching materials have been developed based on the context of environmental conditions and media images, photos, data, maps, and the like. Student learning outcomes tend to increase [5].

Another variable, namely the material can provide motivation. The role of teaching materials to motivate students to explore material topics is an important part. This is because a high level of understanding of the material begins with interest built by motivation. Factors that influence student motivation towards teaching materials include interest in subject matter, level of difficulty, relevance to existing knowledge, and perceived usefulness [6].

Interest in the material will be related to the conditions felt by students. Likewise with relevance to knowledge and perceived usefulness. A current pandemic condition is an event that is quite felt for all the lives of students. This can be a major factor for students to want to understand the material related to this textbook. This handout teaching material is very meaningful because it is relevant to the theme of disaster and increases the perception of usefulness related to everyday life.

This teaching material fulfills learning efforts that follow the development of the paradigm of disaster management shifting from disaster management to disaster risk reduction management [7][8]. Risk reduction emphasizes the availability of information about potential disaster events and consequences. incurred, so that disaster risk can be calculated accurately even though the timing of the incident is still uncertain [9]. The assessment and risk management of the spread of microorganisms is full of uncertainties regarding the size, speed, and timing, as well as uncertainty regarding the vulnerability of human life, socio-economic conditions, and physical infrastructure [10].

4. CONCLUSION

The results of this study conclude that in terms of the content and structure of the material, the handout teaching materials are following the perspective of geographic studies. In content, it has presented the distribution of disease facts at the international and national levels, as well as physical and human environmental factors as causes of distribution. Furthermore, the handout teaching material is feasible to be tested in learning because of its high feasibility level. This is because the measured variables show 80% to 87%. Based on the conclusion, this research suggests that in content there is still a need for improvement in disaster risk aspects. In addition, it needs limited trials face-to-face in class.

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