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The fourth industrial revolution (4.0) is marked by the advancement of technologies and powered by artificial intelligence which creates opportunities and challenges for education systems. University and vocational school graduates face a world transformed by technology which in turn transforms the workplace from task-based to human-centered characteristics. Certain skills such as critical thinking, emotional intelligence, problem solving, cognitive flexibility, and knowledge production are required. To address this demand education system should put revolutionary innovation in its agenda. Scholars, researchers, and practitioners are invited to share their ideas, research outcomes, and best practices about education, social sciences and humanities now and in the future in the 1st International

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PREFACE

The fourth industrial revolution (4.0) is marked by the advancement of technologies and powered by artificial intelligence which creates opportunities and challenges for education systems. University and vocational school graduates face a world transformed by technology which in turn transforms the workplace from task-based to human-centered characteristics. Certain skills such as critical thinking, emotional intelligence, problem solving, cognitive flexibility, and knowledge production are required. To address this demand education system should put revolutionary innovation in its agenda. Scholars, researchers, and practitioners are invited to share their ideas, research outcomes, and best practices about education, social sciences and humanities now and in the future in an The 1st International Conference on Education, Social Sciences and Humanity (ICESSHum 2019).

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Sciences and Humanities science to a common forum. The primary goal the conference is to promote research and developmental activities in education, social sciences and humanities science and another goal is to promote scientific information interchange between Scholars, researchers, students, and practitioners working all around the world.

ICESSHum 2019 has received more than 300 papers and the papers come from both academia on the international flavor of this event in the topics of Industrial Revolution 4.0. Based on the peer review reports, 158 papers were accepted to be presented in ICESSHum 2019 by the editors. All the accepted papers have been presented on the conference, mainly by oral presentations in three sessions: Education, Social Sciences and Humanities science

We sincerely express our thanks to all the members of The 1st International Conference on Education, Social Sciences and Humanity (ICESSHum 2019). Thanks are also given to Atlantis Press for producing the proceeding.

The Organizing Committee of ICESSHum 2019

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Social Contracts: Relationship Balances between Aristocratic and People in South Sulawesi

Najamuddin, M. Rasyid Ridha, Amiruddin

This research aimed to; analyzing patterns of aristocratic relations with the people, and social contracts between nobles and people in South Sulawesi. This type of research was qualitative research with a historical sociological approach to describe patterns of relations and social contracts that occur...

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The Agility Contribution through Dribble (Basketball Ability) for Student of SMPN 4 Siak Hulu – Kampar

Safri Nuryadi, Zulrafli, Debby Indah

Contribution of ability in Dribble is necessary; As the observational and research is being done on the field incompetence dribbling ball gives chance to the rivals take the ball easily. Motivation and enthusiast on basketball become the reason why it need to doing for research. In this thesis, there…

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Developed Students Character at Elementary School through Wordless Picture Book

Nina Nurhasanah, Nadiroh, Maratun Nafiah

This research aim toobtain data on the effectiveness of wordless picture book in developing the character of grade 2 elementary school student. Wordless Picture Book as book of enrichmentwhich can be used by teacher to developed student character.Thisbook contains few part of story whichloadcharactervalue…

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Research Guidance for Students of the Indonesian Language Education in Master Programs (Needs Analysis in the Era of Disruption)

Ida Zulaeha, Fitriyaningsih

Students are customers of a university. Study services, namely research guidance needs to be done in various ways so that Indonesian Language Education Masters students can complete their studies on time in the era of disruption. This research was conducted with the aim of analyzing the need for research...

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Effect of Sales Growth and Asset Structure on Capital Structure in Real Estate and Property Companies on the Indonesia Stock Exchange

Haljeki Aulia, Lara Al Ashry, Halkadri Fitra

This study aims to analyze the effect of (1) sales growth and (2) asset structure on capital structure in real estate and property companies listed on the Indonesia Stock Exchange (IDX). This research is classified as causative research, using secondary data with a population of all real estate and property...

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Zoning System of Education as a Strategy for Equalizing

Education Quality in the Disruptive Era (Legal Aspect Review)

Martitah

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The Impact of Think Pair Share (TPS) Learning Models on Stoichiometry Lessons in Paket C Program

Tri Joko Raharjo, Harianingsih

Stoichiometry is one of the lessons given to paket C students. Chemical education, especially stoichiometry, is often considered a difficult and tedious lesson. For this reason, it is necessary to have an innovative learning model that can increase learning motivation and absorption capacity of C paket...

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The Effect of Audio Visual Media on Dance Competence of 5-6 Years Old Children at TKA Plus AN-NIZAM Kindergarten Academic Year 2017/2018

Kamtini Kamtini, Enggan Ratna Saputri

Problem in this research was the lack of dance competency of children. The purpose of this research was to know the effect of using audio visual media

on competency of children age 5-6 in TKA Plus An-Nizam Kindergarten. type of this research was quantitative (experiment) with the Pre-experimental...

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Developing History Teaching Materials Based on Environment, Museum Batik Pekalongan

Wasino, Fitri Amalia Shintasiwi

Museum is very important for teaching material in history subject matter, but in Pekalongan city, there are still many people, especially those who concern to education have not made use of its existence maximally. So far, the empirical reality at school shows that history teachers have not optimized...

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Revitalizing Teaching English as a Foreign Language Course for 21st Century Learning

Ni Nyoman Padmadewi, Luh Putu Artini, Putu Kerti Nitiasih

It is a national issue that English literacy levels of Indonesian students are still low if compared with students from other countries. It is a serious challenge for the lecturers of Education Departments in universities on how to produce teachers who are capable of conducting 21st century learning...

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Integration Model Development of Emotional Intelligence In Mathematical Problem-Based Learning

Ahmad Syawaluddin, Ramlan Mahmud, Naimah Paronda

This research includes research development (Research and Development). The purpose of this study is to obtain an overview of the mathematics learning model in junior high schools at this time and to obtain an emotional intelligence integration model in a valid, practical, and effective problem-based...

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Political Participation of Voters in the Simultaneous Regional Elections at South Sulawesi

Firman Umar, Muhammad Akbal

This research aims to analyze: (1) the level of political participation of voters in the simultaneous regional elections in 2015 in South Sulawesi Province, and (2) the contributions of legal election towards political participation of voters in South Sulawesi Province. This research was normative law-sociological...

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Portrait of The Effectiveness of Authentic Assessment Based on High Order Thinking Skills (HOTS) in Elementary School of Medan

Faisal, Elvi Mailani, Stelly Martha Lova, Husna P. Tambunan

This study aims to describe the effectiveness of the implementation of authentic evaluations based on High Order Thinking Skills (HOTS) in Elementary School of Medan. This research is motivated by the government policy regarding the implementation of the 2013 curriculum which mandates the application...

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The Effect of Instructional Methods and Interests to be Teachers toward Teacher Learning Skills

Faried Wadjdi, Hartati Muchtar, Zulfiati Syahrial, Yuli Sutoto Nugroho

The Background of this study is the competencies that must be possessed by

a teacher are pedagogic competence, personality competence, social competence, and professional competence. This research aims to examin effect of the interaction all methods and the interest in being a teacher towards teacher...

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Motivation Learning of Football : Application Small Sided Games

Gatot Darmawan, Mochamad Ridwan, Yonny Herdyanto

The objectives of research : (1) the effect of small sided games with the motivation of students to take part in football learning. (2) Female student's motivation in football learning. The sample in this study included an experimental group consisting of 18 female students from class XI IPS 1, and...

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Analysis of the accreditation grade of study programs in Indonesia higher education

Sutopo Sutopo, Sugiyono Sugiyono, Bayu Rahmat Setiadi

This study aims to investigate the accreditation grade of college study program in Indonesia. The study was based on seven standards of accreditation instruments of higher education. It compares the grade of institutional groups, how the grades varies among study programs in Java and Outside Java, and...

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The Effect of Individual Counseling through Rationale Emotive Behavior Therapy (REBT) approach on the Bullied Students' Resilience

Zuraida Lubis, Nurul Novia

This study aims to determine the effect of individual counseling with the REBT approach to the resilience of students who are victims of bullying in the Amir Hamzah Medan private middle school of academic year 2018/2019. It was a quantitative study with Quasi Experimental design type One Group Pre-test...

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The Effect of Gender, Ecoliteracy and Environmental Culture to Social Support in Order to Prevent Human Trafficking

Nadiroh, Komarudin Sahid, Shahibah Yuliani, Uswatun Hasanah

Lack of access about information and low education rate of women, has become a part of women's dependence in economic, which implicate to the susceptibility of women as the victim of human trafficking. The purpose of this research is to examine the construct from latent variable and theoretic model of...

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Ngasuh Anauk Song: A Form of Love Representation between Mother and Children

Evi Dianti Putri, Indrayuda

This article aims to reveal and explain Ngasuh Anauk song in the Hamparan Rawang area of Sungai Penuh city. This song, traditionally cultivated by the Hamparan Rawang community, aims to express the love of a mother to her child. The research method is descriptive, with the intention of describing the...

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An Analysis of Perspective Value in Bamboo Flute Music Transformation: From Bamboo Instruments to Keyboard Instruments

Rodinal Maarif, Indrayuda

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Map of Development of Central Java Coastal Dance

Muhammad Jazuli, Suharto

Dance that grows and develops in the northern coastal communities of Central Java is a form of symbolic expression that has a function of ritual, spectacle, and entertainment. Therefore, mapping various types, themes, functions and efforts to develop traditional dance in the northern coastal areas of...

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Fostering the State Ideology at Indonesian Universities: Challenges and Strategies in the Disruptive Era

Dani Muhtada

Pancasila has become the country's ideology for Indonesia for more than seven decades. However, efforts to foster the state ideology remain challenging especially since the country's citizens are now faced with several consequences of the so-called the disruptive era. This paper discusses the challenges...

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The existence of Pancasila Values in the Disrupted Era

Apeles Lexi Lonto, Theodorus Pangalila

The pace of industrial revolution 4.0 has driven disruption in various fields of life, including the life of the nation and state. The disruption era not only

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Developing Instrument for Evaluating English for Nursing Materials

Ayu Septiwi

Teachers have to develop, adopt or combine teaching materials carefully, especially for the students of English for Special Purpose (ESP) course such as English for nursing, where the course is developed based on the students' needs. In these activities, evaluating the material is an important procedure...

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Influence of Educational Level and Gender on Students' Verbal Ability

Rita Eka Izzaty, Farida Agus Setiawati

This study aims to assess whether there is a difference in verbal ability by the educational level and gender of students. The educational level consists of Junior High School (JHS), Senior High School (SHS) and Vocational High School (VHS), as well as Higher Education Institution (HEI); while the gender...

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Post Trauma Counseling for Early Childhood Teachers and Tutors (An Experiment Study in Central Sulawesi)

M. Solehuddin, Nandang Budiman

Natural disasters occurring in Central Sulawesi in 2018 has caused psychological trauma on people affected, including early childhood (EC) teachers and tutors. Related to this grief, the current study aims at examining the effectiveness of post trauma counseling in developing capability of EC teachers…

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Analysis of Agreement and Disagreement Expressions in Japanese (On Kaiwa Text Books I- IV at Japanese Language Education Program Universitas Negeri Jakarta)

Yuniarsih, Iin Yulianti

In Japanese there are various forms of disclosure agree (Sansei) and disagree (Hantai) against an opinion, ideas and concepts. It is intended in order to keep the feelings for each other, not occurred misunderstanding and communication can run smoothly. This research is a qualitative descriptive study.…

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Exploration of Students' Career Maturity in Faculty of Ushuluddin at UIN (Universitas Islam Negeri) Imam Bonjol Padang

Murisal Murisal, Neviyarni Neviyarni, A. Muri Yusuf, Mudjiran

Career maturity plays an important role in planning work for students. Study of career maturity exploration in students is still rarely found. This study is aimed to analyze the picture of students' career maturity at Universitas Islam Negeri (UIN) Imam Bonjol Padang in Counseling Guidance Department....

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The Effectiveness of Directed Reading Thinking Activity (DRTA) Strategy on upgrading the Reading comprehension skill of student in Primary School

Rahmiatul Fitri

This research is motivated by the problem of the low reading comprehension skills of students in elementary schools. This is due to the lack of conformity in the method of reading learning activities so that students feel bored when learning to read. Students are less able to guess the contents of the...

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The Effect of Reciprocal Learning Methods Assisted Feedback Visual on Learning Students Learning Outcomes in Junior High School and High School

I Ketut Yoda, I Ketut Budaya Astra

The objectives this study were: to find out the effect of reciprocal learning methods assisted visual feedback on improving physical education outcomes in seventh grade students of junior high school and in ninth grade students of high school. The population in this study wes seventh grade students of...

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Financial literacy and capital market literacy among students

Hamidah, Danny Gustiawan, Agung Dharmawan Buchdadi

This study aims to analyze the level of financial literacy and capital market literacy among the student in Jakarta, Indonesia. The respondents are 394 bachelor degree student in which already learnt about introduction to financial management. The findings found that the knowledge level of financial...

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The Election Smart House Management as a Society Political Education Facility

Al Rafni, Suryanef Suryanef, Azwar Ananda

The presence of the Election Smart House (RPP) as one of the national priority programs which launched by the General Election Commission (KPU) since 2016. It has become an important political education, especially how people learn democracy and electoral materials about democracy. Until end of 2018,...

Proceedings Article

Students' Perspectives: ICT Usage in Vocational Education and Training (VET)

Susanti, Luqman Hakim, Irin Widayati, Vivi Pratiwi

This study aims to determine the students' perspective regarding the Information, Communication, and Techologies (ICT) usage in learning activity at Vocational Education and Training (VET). This research is quantitative descriptive research using survey techniques and group interviews. The population…

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Gender and Physical Self-Concept Differences among College Students

Wulandari Putri, Kuston Sultoni, Lilis Rianita, Adang Suherman

The individual Physical Self-Concept has a significant impact on individual involvement in physical activities. Gender, as one of individual identity, becomes one of key moderators between physical activity and physical self-concept. Therefore, this study was aimed at investigating gender differences…

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The Rule of Law Internalization Model in a State of Law based on Pancasila

Rasdi

Pancasila for the Indonesian people was the basic norm (Grundnorm) and Staatsfundamentalnorm (fundamental norms of the state). As the most fundamental legal norm, Pancasila was the highest, fundamental principle, and becomes the core of every legal and state order. Therefore, every applicable legal regulation...

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Development of Balance in Diffable Children Ages 7 to 12 Years

Andhega Wijaya, Gatot Darmawan, Nanik Indahwati

This study discusses the development of the balance of children with disabilities aged seven to twelve years in the city of Surabaya. This research is basic, which will be made a roadmap to be able to find out the advantages and disadvantages in terms of children with disabilities in the city of Surabaya,...

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The Effect of Socio-scientific Issues Assisted of Virtual Learning to Improve Digital Literacy of Student

S.N. Hidayati, A.N.M. Fauziah, H. Subekti

This research aims to describe and explain vi-learning-assisted socio-scientific issues implemented. That is to improve digital literacy capabilities.

The participants of this study were 17 students of the Science Education Department who programmed the Household Chemistry course class of 2 in the...

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Gender Analysis of Health Related Fitness Profile in College Students

Nur Indri Rahayu, Adang Suherman, Kuston Sultoni

Every student must have good fitness in order to be able to conduct an academic activities and their daily life. Good fitness can support student activities which ultimately improve their performance. The purpose of this research is to examine the differences of health related fitness of college student...

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Teachers Practices on Speaking Assessment of English as a Foreign Language A Descriptive Study at Junior High Schools in Sintuk Toboh Gadang Subdistrict

Susi Karmila, Rozimela Jufrizal, Yenni

This research aims to find out the types of speaking assessment used by the teachers in their practices, the ways in applying those assessment tasks, and the way the teacher give the feedback based on the result of assessment. The method used in this research is descriptive. The population of the research...

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Implementation of Awig-Awig Towards Protected Forest Management Based on Local Wisdom in Selat Pandan Banten Village, Buleleng Regency

Ratna Artha Windari

The purpose of this study was to know the implementation of Awig-awig as a rule of law towards protected forest management based on local wisdom in Selat Pandan Banten Village, Buleleng Regency. The method applied in this study was descriptive qualitative method, using data from villagers who live around...

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The Analysis of Early Children Education Services Quality in Increasing the Satisfaction of Students Parent in At-Taqwa Kindergarten Surabaya

Gunarti Dwi Lestari, Wiwin Yulianingsih, Widya Nusantara

The purpose of this study is to describe the quality of early childhood education services at At-Taqwa Kindergarten in Surabaya. This research was conducted with qualitative approach with case study design of data is interview, observation and documentation techniques. After the data is collected, the...

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Proceedings Article

Is Audio Visual Media Effective for Learning?

Novi Marlena, Renny Dwijayanti, Irin Widayati

One of classroom learning success parameter is the use of appropriate learning media, which include audio visual media. Interactive and varied audio visual media can be used to stimulate student to think critically and actively. This paper aims to find out the learning result, critical thinking skills...

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Teachers in Art Education: What Elementary School Needs to Do More with Art Appreciation

Ardipal

The purpose of this library research is to explain the need to teaching art appreciation since art teachers in Indonesia, especially at elementary schools, have not paid much attention to this activity by establishing a relationship between the urgency of art appreciation and the current pedagogical...

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The Effect of Physical Activity Levels on Health-Related

Physical Fitness of University Students

Kuston Sultoni, Adang Suherman, Mustika Fitri

The purpose of the study was to clarify the effects of physical activity on physical fitness. The study was conducted undercomparative study design. The participants of the study were 322 sophomore students (92 male students, 230 female students, 23.5 years old). Physical fitness was measured by Fitnessgram...

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Promoting Character Education: Speech Acts of Requests in Javanese Language Used by Tanjung Community

Surana, Yohan Susilo, Lutfi 'Ami Rosidah

A directive speech acts covers an expression of requests, which is mostly used by people in communication. This study aims to reveal speech acts of requests conveyed by people in Tanjung Village, Trenggalek, Indonesia. This study used ethnography research design with an approach of Levinson's theory....

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Developing Guidelines for Technical Implementation of Group Guidance Services to Improve the Performance of Counselors

Dasril, Neviyarni, Prayitno, Daharnis

This article is based on a problem that shows the low performance of the

counselor in carrying out group guidance services at schools. This study to develop a technical guidance model for implementing group guidance improve the performance of counselors in implementing group guidance. The research...

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Multicultural Leadership of Student Activists to Creating Democratic Campus

Totok Suyanto, Made Pramono, Dhita Ayu Permata Sari

The main objective of this research was to describe student leadership style in students' organization at Universitas Negeri Surabaya (Unesa) in applying multiculturalism attitudes and values. The university student was one of the components of the nation in which known as Z-generation. Thus, students...

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Performing Arts Appreciation Literacy In Millennium Era

Trisakti, Eva Rahmawati, Anik Juwariyah

Performing arts that thrives and grows in millennium era is one which endures the test of time and therefore has the cultural values which must be preserved. One example of the latter is done through promoting performing arts appreciation literacy to young generations. Further, this study aims to describe...

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Strategy for Improving Sport Services through Bachelor of Sports Development Support Drivers to West Java Health in 2020

Yudha M Saputra, Kuston Sultoni

The development of sports in West Java is an asset for improving the quality of life of people who are physically, spiritually and social healthy. They can also develop a dynamic, sporty and competitive attitude. To realize the above, strategic efforts are needed based on the needs of the demands and...

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The Effect of Collaborative Writing and Reading Habit toward Students' Writing

Khairat Risman, Jufrizal, Yenni Rozimela

This research was aimed to test the effect of collaborative writing and reading habit toward students' writing and it was kind of quasi-experimental research with 2x2 factorial designs. The population of this research was the second grade of SMAN 12 Padang. The writing test and questionnaire of reading...

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The Effect of Flipped Classroom Strategy on Listening Comprehension of Undergraduate Students at English Department in IAIN Batusangkar

Usni Suci Astri, Hermawati Syarif, Kurnia Ningsih

This paper describes the effect of flipped classroom strategy toward students' listening comprehension in IAIN Batusangkar. The design of this study was quasi experimental in which there are two classes that become experimental class and control class.The population of the research was the first semester...

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Qualitative Meta-Analysis of Academic Culture in Higher Education

Muhammad Azis, Amirullah Abduh

This articles examines previous concept of academic cultures. Informing by earlier work on academic cultures, this qualitative study uses meta-analysis approach. The meta-analysis examines resources of academic cultures from published books and peer-reviewed researched articles indexed by Scopus. The...

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Engineering Design of Traditional Gorontalo Motif for Learning Karawo Embroidery

Hasdiana, Ulin Naini, Isnawati Mohamad, Nining Malanua

This research is conducted based on present less of different motif which contains characteristics of Gorontalo locality. This research aim to invest the process of engineering and learning the application of traditional Gorontalo motif designs. The study uses a qualitative method. Research finding...

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Competence Oriented Approach to Teaching Factory in Vocational School, Program of Fashion Design

Ratna Suhartini, Luthfiyah Nurlela, Muchlas Samani, Munoto, Meda Wahini

The learning approach that is oriented towards action in the industry is the implementation of the revitalization of vocational school. The competency-oriented approach to the teaching factory enables the development of effective competencies in learning in the industry. The purpose of this study was...

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The Effectiveness of Moodle as E-Learning in Accounting Education Program

Rochmawati, Susanti, Moh. Danang Bahtiar, Suci Rohayati

The development of the industrial revolution 4.0 had an impact in all fields including the world of education. Changes in learning models from conventional-based to technology-based (E-Learning) are demands that must be fulfilled to prepare future generations who are able to keep up with the times. Therefore,...

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Heart Rate and Energy System Analysis: Study on Men's Doubles Badminton

Nur Ahmad Arief, Hari Setijono, Nurhasa

The more accurate athletes' physiological data, the easier it takes to maximize the performance. It is crucial to acknowledge the standard heart rate (HR) and energy system as the prerequisite of men's doubles badminton. This study aims to quantitatively analyze the standard HR during the game, while...

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Improving Classroom Climate of the Course of Educational Administration and Supervision

Hadiyanto, Hade Afriansyah

This classroom action research aims to improve the classroom climate as preferred by students in the course of Administration and Supervision of Education. The research was conducted in one class consisting of 52 students from various study programs at Universitas Negeri Padang. Data was collected using...

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Education Program of Pre-Service Professional Teacher: W Do Students and Lecturers Feel About the Program?

Suryanti, Wahono Widodo, Dhita Ayu Permata Sari

The Education Program of Pre-service Professional Teacher (PPG) is a critical effort in preparing professional teachers, so feedback on this program is very important. This study aims to identify the positive aspects and problems that arise in the implementation of the program. Therefore, alternative...

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Strengthening Pre-service Teachers' Character: The application of ALLR Learning Model in Basic Science Subject

Wahono Widodo, Dhita Ayu Permata Sari, Martini, Totok Suyanto

Lots of social conflicts related to intolerance cases emerge every year which worries Indonesia's diversity and unity. Thus, the role of higher education institution in realizing a mental revolution is crucial. The purpose of this study is to describe the integration of character education through science...

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The Model of Formation of Pancasila Character through Clinical Legal Education of Legal Education in the 4.0 Industrial Revolution

Rodiyah

The development of Indonesian legal higher education must be based on

clinical legal education (CLE), as an intelligent response to the application
the era of industrial revolution. This means that CLE is a futuristic and
constructive alternative to responding to the 4.0 industrial revolution. The...

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Preparing Competitive Graduates of Vocational School through Revitalization Program

Luthfiyah Nurlaela, Setya Chendra Wibawa, Sri Handajani, Meda Wahini, Mauren Gita Miranti, Ita Fatkhur Romadhoni

The aim of vocational education is to prepare future generations who have high capability and competitiveness in facing the challenges of global labor competition in the 21st century and the 4.0 industrial revolution. This study aimed to find out: 1) profile of SMK Negeri 1 Buduran, 2) coverage of revitalization...

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Promoting Learner Autonomy in Teaching English to Young Adolescents through Higher Order Thinking Skills: An Innovation to Create 4.0 Learning Trends

Sri Setyarini

Currently, 4.0 learning trends have been issued among English as Foreign Language (EFL) teachers through selecting innovative learning strategies to fulfil 21st century goals, preparing students to be creative, collaborative, critical, and communicative as demanded in industrial revolution. One of

the...

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Preparing BIPA Teachers Based on Needs Analysis of the Target Country

Tri Indri Hardini, Sri Setyarini, Sri Harto

Since the current decade, the teaching of Indonesian language for foreign learners has been running for a relatively long time from elementary to university level in various countries in the world. However, outputs of the program have not optimally reached the targeted goals. As a result, it impacts...

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The Importance of Learning Model Combination Implementation of Student Accounting Learning Outcomes in Industrial Era 4.0

Joni Susilowibowo, Susanti, Han Tantri Hardini

The Industrial Age 4.0 emphasizes constructivist based learning with the student center approach. The implementation of emphasis on learning is felt to be lacking if it excludes behavioristic based learning models especially in accounting learning because the characteristics in accounting learning are...

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Coherence and Unity of Students' Writing on Background of the Study of Research Proposal

Dasril, M. Zaim, Kurnia Ningsih

This study aims to find out the coherence and unity of students' writing on background of the study of research proposals, the problems faced and the causes of difficulties encountered. The type of this research was descriptive research. The source of data was the background of the study and the instruments...

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Entrepreneurship Lecture and Entrepreneurial Behavior of

Students of Sociology Education Study Program of Social Science Faculty UNNES 2018

Moh Solehatul Mustofa

There are various universities in Indonesia which conduct entrepreneurship lecture. The implementations of this lecture are expected to develop students' entrepreneurial behavior and to produce more entrepreneurs among students. Starting from that understanding, this research intends to discuss the role...

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Saving and preparing the Indigenous Communities to Face the Industrial Revolution 4.0 Era through Local Wisdom and English Language Mastery

Sukarno

The development of science, technology, and arts, especially information technology occurs dramatically and brings communities to modernity. Everything is changing; life is changing and very transformative because of it. Both positive and negative impacts of modernity appear and exist side by side and...

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Strengthening Social Skills of Social Studies Teacher in the Era of Disruption

Hidayat Hidayat, Lukitaningsih Lukitaningsih

This study aims to (1) describe social skills of social studies teachers in the era of desruption (2) explore design and learning approaches the social skills needed in the era of desruption (3) analyze social studies learning methods relevant to growing social skills needed in the era of disruption....

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Development of Video Tutorial Learning Media in Gastronomic Subject

Elida, Wiwik Gusnita, Dikki Zulfikar

This study uses the development method. The development model used is the Instructional Development Institute (IDI) model. According to (Gustafson & Brach, 1997) determine the validity media instructional videos for gastronomy to students majoring in family welfare education, knowing the effectiveness...

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Physical literacy of elementary school students in Gorontalo 2018

Hariadi Said

This study aims to examine the physical literacy of elementary school students in Gorontalo city. The study involved 338 participants consisting of 207 males and 131 females. The location was conducted at Stadium Merdeka 23 Januari. This is descriptive research with an evaluative method. The research...

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Tourism Promotional Materials: Translation Problems and Implications on the Text's Effectiveness for Tourism Promotion

Novriyanto Napu

Translation of tourism information has played an important role in the regional tourism industry promotion in Indonesia. One of the approaches in promoting the Indonesian tourism industry has been by producing promotional materials that contain tourism information in Indonesian with an English translation....

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Project-Based Learning Paper: Learning Model To Develop 4cs: (Critical and Creative Thinking, Collaboration and Communication Skills)

Endah Tri Priyatni, Abdur Rahman As'ari

Critical, creative, collaboration and communication skills (4Cs) are four essential skills needed to survive and thrive in the 21st century. The 2013 curriculum has included 4Cs as a paradigm in curriculum development. Unfortunately, its implementation in classrooms is still limited to discourse. This...

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Biomechanical Analysis of Ball Trajectory Direction in Free Throw

Dwi Cahyo Kartiko, Abdul Rachman Syam Tuasikal, Muchamad Arif Al Ardha, Chung Bing Yang

Basketball game is decided by the most point counted from successful shooting. Moreover, free throw is one of many shooting techniques which is frequently used in basketball game. So, the aims of this research are reviewing the ball trajectory direction to find the formula to increase possibility of...

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The Contribution among Physical Activity, Type of Transportation, Distance of Residence, and BMI in Adolescents : Cross-Sectional study in College Student

Mesa Rahmi Stephani, Adang Suherman, Kuston Sultoni

Body weight in adolescents, especially among college students, has generally increased. It is feared to increase the risk of obesity. The purpose of this study was to determine the relationship between Physical Activity, Type of Transportation, and Distance of Residence of the students and their Body...

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Physical Self Concept And Physical Activity Among University Students

Adang Suherman, Kuston Sultoni, Jajat, Risma, Kristi Agust

Physical self-concept plays a central role in adolescence. In this phase, individuals experience significant physical, mental, and emotional changes that are connected to their physical activities. The purpose of the study was to examine differences of all physical self-concept components of university...

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The Development Learning Module of Gorontalo Local Content for Junior High School

Moh. Karmin Baruadi, Sunarty Eraku

The purpose of this study is to develop Gorontalo local content learning module that is used in local content subjects such as language, craft, cultural arts, physics education and health as well as technology. The module was developed using a 4-D model which included define, design, develop and disseminate...

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Student Inspirational Character Development with Group counseling based on Javanese Philosophy

Suharso, Heru Mugiarso, Awalya, Dije Zaraska Kristy

Inspiration is an important character for students' self-development, especially for counselors and educators. The phenomenon is students cannot be role models for others. The purpose of this study was to prove whether Group Counseling based on Java philosophy affect Students inspirational character....

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Analysis of the Effect of Transformational Leadership and Work Involvement on the Performance of Environmental Officials in the West Pasaman Regency

Abror Lisman, Asnil, Erianjoni

The purpose of this study was to determine the effect transformational leadership on the performance and influence of work involvement on performance and the influence of transformational leadership and work involvement on employee performance the West Pasaman Regency Environmental Office. The type of...

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Developing Project Based Learning (PBL) as a teaching Strategy in Physical Education for Preservice Physical Education Teacher

Nanik Indahwati, Abdul Rachman Syam Tuasikal, Muchamad Arif Al Ardha

An appropriate teaching strategy can improve the teaching quality. The a this study is developing Project Based Learning (PBL) as a teaching Strate in Physical Education for Preservice Physical Education Teacher. The development and innovation were executed through innovation course that provide...

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Lecturers' And Students' Code Switching In EFL Classroom

Nurul Syafri, Jufrizal, Zul Amri

This research aims to find out the use of code switching in English as Foreign Language (EFL) classroom between lecturer and students. The purposes of this research are to find out the types of code switching used by 3rd semester lecturers and students in English department Bung hatta University. The...

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Civic Education through E-Learning in Higher Education

Muhammad Japar, Dini Nur Fadhillah, Syifa Syarifa

This article describes the learning process of Civic Education in Higher Education through e-learning. College students today are Millennial's Generation (Y Generation) who are very familiar with internet and use in technology. The development of technology provides a challenge for the education system....

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Proceedings Article

Character Education on Students in Social Science Faculty at Manado State University

Paulus Robert Tuerah, Yoseph Daniel Ari Santie, Apeles Lexi Lonto, Theodorus Pangalila

In the era of industrial revolution 4.0, character education was one of the serious challenges to be implemented. Character education would help the students to develop into more complete human beings. But in reality, education in Indonesia, especially in higher education, prioritized graduating students…

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Student Value Orientations on the Physical Education Course at University Level

Jajat, Adang Suherman, Yusuf Hidayat, Mulyana, Kuston Sultoni

The purpose of this study was to investigate the student value orientations in the Physical Education Course at University Level. The method of the study was descriptive study to find out the depiction of student value orientations on the physical education course. The participants of the study were…

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Self Compassion and Subjective well-being in Adolescents Comparative Study of Gender and Tribal in Sulawesi, Indonesia

Asniar Khumas, Andi Lukman, Andi

There was a growing evidence that self-compassion plays an important predictor of well-being. The current study aims to examine the link between self-compassion and subjective well-being (SWB) with culture as a moderator variable. The respondents of this study were students (N = 1161, 354 male and 807...

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Combination of PBL and I CARE Learning Models in Increasing Student Learning Activities

M. Ridwan Tikollah, Sitti Hajerah Hasyim, Selerina Tangke

Learning activities were important in achieving learning objectives, therefore, it must be carried out effectively. Learning activities in 2013 Curriculum were designed with a student-centered learning approach, that could be observed through student learning activities. To achieve this, a scientific...

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Post-Trauma Counselling through Group Play Therapy: Traditional Games as a Basis for Model Development

N. Rusmana

This research is intended to develop a model of post-trauma counselling through group games that are based on traditional games as an alternativ help children with traumatic experiences. This research adopted research and development approaches. In the pilot study, literary research and needs assessment...

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Can Teaching by Invitation Technique Improve the Students' Basic Motion Ability?

I. Nur, A. Hafina, N. Rusmana, A.A. Malik

This study aimed to determine the use of technical approaches usingmotivational techniques in learningand its influence on the students' basic mobility in elementary schools. This study was an experimental research with a non-equivalent pre-test and post-test control group design. Forty-two elementary...

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The Role of Pragmatics in Developing Humanistic Character of French Language Students

Sri Rejeki Urip, Novi Kurniawati, Khotibul Umam

Globalization has entered an era called the Industrial Revolution 4.0 that has produced changes in humans, including ways of thinking, ways of communicating. It cannot be separated from information communication technology devices. The courtesy that is usually maintained in face-to-face

communication...

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The Effect of Teachers' Corrective Feedback on Students' English Presentation Skill at STIE Sakti Alam Kerinci, Sungai Penuh City

Nurfitri, Yenni Rozimela, Refnaldi

Nowadays, English learning is not only focused on communicative skills but also emphasized on real work situation, one of which is presentation skill. As the lecturer needs to know a suitable strategy that can be used not only to motivate the students to communicate in English but also to minimize their...

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Learning communities for prospective teachers through peer-tutoring programs

Setiyo Hartoto, Suroto, Fifukha Dwi Khory, Muchamad Arif Al Ardha, Bayu Budi Prakoso

Learning community program is an ideal place for teachers to develop their competence. This awareness should be introduced earlier to preservice teacher. So they get a habit of learning and sharing in the learning community program. This paper presents the research of learning community program through...

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Proceedings Article

Relationship of Self Concepts with Social Interaction of Students in High Schools

Noviana Diswantika

This study aims to determine the relationship between self-concept and interaction of high school students in Lampung city. The method used in this study uses a correlational study with a sample of 100 student respondents. The results of this study indicate that there is a positive relationship between...

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Teachers' Autonomy – The Missing Link in the Teacher Education and Professional Development in Indonesia

Basikin

Despite many teacher professional development (PD) programs conducted by the government, teachers in Indonesia have long been critised for being low quality and under performance. Questions, therefore, arise regarding the effectiveness of PD programs designed and implemented by the government. In addition,...

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Profile of Student Self-Identity and Its Implications for Counseling Services to Prepare Students for the era of Industrial Revolution 4.0

Ardimen, Neviyarni S., Firman

This study aims to reveal the profile of students' identity and its implications for counseling services to prepare students to face the era of industrial 4.0. This study uses a quantitative exploratory method involving 256 samples or 25% of population from Madrasah Aliyah students in Tanah Datar District....

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Impact of Handicraft Skills Training for Household Assistants

Wiwin Yulianingsih, Sjafiatul Mardliyah, Heryanto Susilo

The purpose of this study is to describe how the impact of handicraft skills training for Household Assistants. With using a qualitative research approach which is type of case study. The data collection with 3 methods, namely in-depth interviews, documentation and observation. While data analysis by...

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Assessing Students with Reading Problem in Elementary School: A Case Study in 7 elementary Schools

Mohammad Arif Taboer, Sunaryo Kartadinata, Endang Rochyadi, Sunardi

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Wahyu Sukartiningsih, Maasengut Sukidi, Endang Darmawati

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Karume Tradition in Toraja Tribe, South Sulawesi

Arifin Manggau, Karta Jayadi

Karume, so the Toraja tribe said it. Karumeis one of the traditional games from Toraja in the form of oral literature that is played by two or more people by asking questions.Karumeconsists of questions made with figurative meanings.Playing Karume is called SiKarume by the Toraja people.The purpose of...

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The Impact of Sports Activities on the Androgynous Behavior in Sport Science Faculty's Students

Anung Priambodo, Muhammad Rifki Sudaeta, Muchamad Arif Al Ardha

Androgyny is defined as the opposite characteristics between the gender and appearance. This study aims to determine the impact of sports activity on the tendency of androgynous behavior in female students of Sport Science Faculty. This is a descriptive qualitative study. There were 20 research subjects...

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Irma Russanti, Yulistiana, Priyo Heru Adi Wibowo

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Analysis of an Increase of Population Pressure toward Agricultural Areas in Galesong Sub-District, Takalar Regen

Sukri Nyompa, Amal Arfan, Ismail, Uca Sideng, Muh. Rais Abidin

Overpopulation is still a big deal for every developing countries because it can lead to massive competition among societies in order to access education, occupation and health. Indonesia, one of the biggest population countries, 4th world population, are facing many challenges related to massive population....

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Learning communities for prospective teachers through peer-tutoring programs

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Abstract

Learning community program is an ideal place for teachers to develop their competence. This awareness should be introduced earlier to preservice teacher. So they get a habit of learning and sharing in the learning community program. This paper presents the research of learning community program through peer-tutoring methods in developing learning communities for preservice teachers, particularly aquatic learning and swimming teaching skills. The research conducted using the action research flow. There are three findings of this research, namely: (1) preservice teachers develop their teaching skills as teachers, such as preparing, implementing, and closing learning; (2) preservice teachers receive feedback and reflection of their teaching practice; and (3) the implementation of peer-tutoring helps preservice teacher to master swimming techniques properly. In conclusion, preservice teachers improve their competence by learning community program.

Keywords: learning community, preservice teacher, peer-tutoring, and competence

Introduction

The challenge of Physical Education Preservice Teacher Education (PETE) in shaping students as prospective PE professional teachers has received meaningful assistance from the teachers at the school. The assistance is in the form of recommendations from teachers in determining the competencies that must be owned by prospective PE teachers to be able to become good teachers in schools. According to the teachers, the PE prospective teacher must have qualified academic skills, master the latest curriculum development, master teaching material, have good classroom management skills, learning problem solving skills, creative and innovative (Khory, Hartoto, Sudarso, & Prakoso, 2018). This ability should be obtained by students since they studied at PETE. For this reason, PETE must be able to provide good learning services to students to arrive at providing provision to students to achieve high competence.

The main learning services for prospective teachers should be focused on improving teaching skills as the key to the success of the learning process. It takes a long time and many opportunities for prospective PE teachers to get stability in terms of understanding in mastering various teaching skills (Barney & Pleban, 2006). For this reason, PETE needs to provide a learning vehicle in the form of theoretical learning about learning to the practice of teaching in a simple form so that prospective teachers get many opportunities to hone their teaching skills.

A simple form in teaching practice activities that has been proven to have a positive impact on mastering teaching skills for prospective teachers is peer-teaching and micro-teaching(Şen, 2010). The form of peer-teaching is the easiest option that can be done in learning activities in higher education in the form of student learning communities. Forming a learning community becomes an effective choice to help learners in learning prospective teachers get reflective skills on their competencies. In the learning community, prospective teachers can use their members to give input to each other in all matters related to increasing competence. This must always be accustomed to learning in higher education so that prospective teachers are accustomed to the learning community so that they continue to carry when they become teachers at school.

Schools are considered as institutions that are required to carry out their functions in improving the quality of education by always conducting self-evaluations to find weaknesses and strengths in a sustainable manner so that quality improvements are always made (Vanhoof, Van Petegem, & De Maeyer, 2009).The demands for self-evaluation should not only be for schools, teachers as drivers of education at the school level must have a habit of self-evaluation. The impact of habituation is expected to be able to arouse teacher awareness of the needs of themselves in the form of reflective ability to the learning process which is considered to be the main key so that every learning is always corrected according to standards.

At least, there are three things that can be done by the teacher in conducting a self-evaluation for learning, namely asking for the opinion of the teacher/leader, asking for opinions from students, and recording learning to be analyzed according to the standard (Suroto, 2017).Many ways to do reflective activities have been made, even the instruments have been created. However, the biggest challenge is to raise the teacher's reflective awareness for self-quality and even the learning process.

For this reason, this article will describe the results of the use of peer tutoring that is used to form the learning community of prospective teachers in getting them to collaborate with others. In addition, the research conducted aims to help prospective PE teachers who have less skills in swimming.

Peer-tutoring is a mainstay of learning done at universities because it can bring many benefits (Landers, n.d.). Prospective teachers can learn to collaborate with each other to help improve self-competency. For those who become tutors, having higher skills than tutee will benefit from learning to become a teacher. Whereas as a tutee, they will get certain skillful training from peers who at least have a match in the learning atmosphere. In accordance with the learning pyramid, peer-tutoring can have as much as 90% impact on learning outcomes (teaching others) for students (Fencl, 2014). The implementation of peer tutoring strongly supports the formation of a collaborative learning environment between students (D'Arripe-Longueville, Gernigon, Huet, Cadopi, & Winnykamen, 2002). To have an impact on classroom management skills included in teacher teaching skills by prospective teachers, peer-tutoring can be implemented in the form of micro-teaching. The implementation of peer tutoring in the concept of micro-teaching is very possible for tutors who are also students to learn teaching skills, while for tutee they can hone basic skills as learning material (lihat Şen, 2010).

Method

This article contains the results of research conducted using the action research flow. The research began with the lecturers' response in solving the problem in the form of the high number of prospective PE teacher students who were unable to reach the minimum standard of swimming.

1. Subject;

The subjects involved in the study were voluntary students. They are students who have high swimming skills, then act as tutors for 12 students and students who have swimming skills below the standard, then act as tutee as many as 26 students.

2. Instrumentation;

There are no instruments used in tutors' self-evaluations. But a self-evaluation tool was used in the form of a questionnaire filled out by tutors and tutee in providing an assessment of the quality of the learning process carried out by the tutor. The self-evaluation tool contains a closed statement to reveal perceptions with a value of 0-10 in determining the degree of quality of components assessed (Bandura, 2006).

To complete the data qualitatively, each item is equipped with an open entry so that tutors and tutees can write down the problems found during the learning process. The contents of self-evaluation for tutors are quality training, swimming skills, speaking skills, feedback, motivating, evaluating, and reflecting.

In addition, tutors also assess themselves by using ceck lists in carrying out learning. They are expected to conduct self-assessments related to the implementation of preparation / planning, introduction, core, and closing learning.

To assess the tutee skills in acting, observation instruments are used. The assessment was carried out by the lecturer before the implementation of peer-tutoring and after the implementation of peer-tutoring.

3. Procedures;

The procedure used in this study as in table 1 as follows.

Table 1. Peer-tutoring Implementation Syntax

Syntax	Week	Activity	Description
Peer-TutoringOrientation	1	lecturing	1. Explanation of the ideal learning needs of prospective PE teachers 2. Exposure of student swimming abilities which are divided into 3 clusters, namely: proficient, ordinary, and need help 3. Presentation of peer-tutoring programs to students according to clusters.
Recruitment	2 & 3	Independent learning	Accommodate student responses to register to become tutors and tutee
	4	Classroom	1. Register students who are included in the peer-tutoring program 2. Forming a group of one tutor helps 2-5 tutees. 3. Create a peer-tutoring implementation schedule.
	5	Swimming pool	1. The preetest implementation of the beauty of swimming tutee breaststroke. Assessed using process-oriented (quality of swimming movements) and product-oriented (swimming distance). Tutee is instructed to swim around the pool by the pool. One round as far as 110m, swimming skills (process-oriented) is done by observation when the tutee swims within a range of 0-30m. 2. The peer-tutoring program begins with the tutee lead tutor to learn swimming about 30-40 minutes.

Cont. Table 1. Peer-tutoring Implementation Syntax

Syntax	Week	Activity	Description
Recruitment	6	Swimming pool	Tutor groups conduct peer-tutoring activities in accordance with the agreed schedule. Observer and researcher provide assistance and observation. Each tutor fills out a form that measures the quality of the tutor and the implementation of the exercises in peer-tutoring.
Briefing and initial evaluation of Tutor performance	7	Classroom	1. Presentation of the results of the analysis of the form filled in by Tutee and the tutor. 2. Presentation of the flow of learning implementation 3. Presentation of the ideal implementation of swimming material learning
Training, mentoring, and data collection	8 -. 10	Swimming pool	1. Tutor-tutee takes part in the program to carry out exercises on schedule. The tutor-self self-evaluation form is completed shortly after the exercise is conducted. 2. The Observer observes two tutor-tutee groups, namely: male tutors and female tutors. The researcher accompanied and observed during the exercises conducted by the selected group. Next do an evaluation based on the results of observation.
Posttest tutee	11	Swimming pool	*The posttest for a tutee is to take a 30m breaststroke with the right movement.*

4. Data Analysis;

Data analysis was carried out using descriptive techniques for data in general. The t-test analysis technique was used to compare the results of tutee skills at pretest and posttest.

Results and Discussion

The results of the study are explained in three ways, namely (1) the performance of tutors in designing learning; (2) quality of learning; and (3) peer-tutoring impact in improving tutee swimming skills.

1. The performance of the tutor in designing and implementing learning;

Tutor's performance in designing and implementing learning is revealed by asking for recognition from the tutor using the learning check list. Recognition is proven by operational descriptions in accordance with the activities carried out during the implementation of peer-tutoring. The results of the tutor's performance assessment can be seen in table 2 as follows.

Table 2. Performance of Tutors when Conducting Peer-Tutoring Activities

Phase	Criteria	Implementation	Activity
Preparation	Planning	Yes	No evidence
	Equipment preparation	No	-
Initial	Attendance	No	-
	Apperception	Yes	Trial swimming skill
	Explaining teaching scope	No	-
	Explaining teaching purpose	No	-
	Warming up	Yes	Stretching and dynamic warm up

Cont. Table 2. Performance of Tutors when Conducting Peer-Tutoring Activities

Phase	Criteria	Implementation	Activity
Main Activity	Activity Instruction	Yes	
	Monitoring and evaluation	Yes	No Evidence
	Feedback	Yes	Reinforcement
Closing	Reflection	No	
	Cooling down	Yes	
	Evaluation	No	-
	Appreciation	No	-
	Follow up	No	-
Post teaching activity	Self-Evaluation	Yes	Tutee feedback form

Based on table 2 above, it can be explained that at the preparation stage the tutor is expected to make an exercise planning document to be applied during peer-tutoring activities. The results of the assessment indicate that students have claimed to make a planning document but the evidence in writing still does not yet exist. They claimed that the plan was written in the notes in the form of the types of exercises to be given to Tutee. For preparation of equipment, it was not revealed.

In the preliminary stage, students as tutors do not attend. This is done because each tutor only holds 2-4 tutee people in his group. They do not feel the need to attend when conducting peer-tutoring activities. Apperception activities are carried out in a way, Tutee is instructed to do breaststroke swimming as best they can. Next, the tutor monitors while assessing the shortcomings of tutee. This deficiency was then used for the basis of training during the training day. Activities convey the scope and objectives of the exercise not carried out. Heating is done by stretching and exercising with a count of 1,2,3, ... etc.

In the closing stages, the tutor does not reflect. Only cooling activities carried out by tutors. While evaluation, appreciation, and follow-up were not revealed.

The implementation of self-evaluation when after learning has been completed. After the implementation of peer tutoring, each tutor is required to read the form filled in by Tutee. The field contains tutee assessment of the quality of learning led by tutors. This is done as a form of self-evaluation by tutors.

2. Quality of learning;
   The results of filling in the form by tutee are used to assess the quality of the learning process.

Table 3. Tutor Self Evaluation Results Based on Tutee's Opinion

Components	Score	Category	Activities
Coaching skill	6.7	Good	General activity
Swimming skill	7.3	Good	Demonstration
Communication skill	7.0	Good	The task of motion, explaining, motivating, and others
Feedback	7.3	Good	Criticism, recognition, awards, etc.
Motivation	7.0	Good	Building a positive concept of tutee
Evaluation	7.3	Good	Compare facts and criteria
Reflection	7.0	Good	Improvement of the process carried out
Average	7.1	Good	

Based on table 3, it can be explained that the quality grades train tutors when peer-tutoring scores 6.7 (good), swimming skills possessed by tutors get a value of 7.3 (good), speaking skills possessed by tutors get 7.0 (good), the skill of giving feedback by the tutor to the tutee gets a value

of 7.3 (good), the skill of giving motivation to the tutee by the tutor gets a value of 7.0 (good), the skill in evaluating the performance of the tutee gets 7.3 (good), and the reflection skill gets a value of 7.0 (good) . The average final score is 7.1 in the good category.

3. Peer-tutoring impact in improving tutee swimming skills

The impact of the implementation of peer-tutoring in question is an increase in swimming skills of prospective PE teacher students who act as tutee. Swimming skills meant are student swimming skills in swimming breaststroke. To find out the significance of the improvement in students' swimming skills, t-test was used with the results as in table 4 as follows.

Table 4. Tutee's Pretest-Posttest Value Enhancement Test Results

Test	Mean	N	SD	Differences		t	Sig.	Conclusion
				Mean	%			
Post	8.1	26	2.519	2.9	56.3%	5.325	0.00	Significant different
Pre	5.2	26	2.191					

Based on table 4 above, it can be explained that students who completed the structured lecture series were only 26 out of 37 students. The mean value of students who complete the structured lecture at pretest is 5.2, the standard deviation is 2.191. While the posttest mean value is 8.1, the standard deviation is 2.519. Different mean pretest and posttest amounted to 2.9 if compared with the value of the pretest, the increase value was 26.3%.

Furthermore, the value of each student is compared using the dependent t test. The results of the analysis show that the t-value is 5.325 with the sig value. amounting to 0.00 so that it can be concluded that the difference that occurs is significant. That is, student skills at pretest increased significantly during the posttest.

Assessment of swimming skills is done using observation techniques. This assessment is expected to teach students to use process-oriented assessment in conducting assessments to improve the quality of motion. Process-oriented assessment is considered to be the most appropriate assessment technique for providing feedback on the quality of student movements (Barnett et al., 2009).The peer tutoring program had positive effects on students' academic performance, especially in helping students academically and socially(Lam & Chan, 2014).

Conclusions

The most valuable results in the implementation of peer-tutoring are the formation of learning communities in the learning process in the university environment. With the formation of the learning community, prospective teachers can carry out activities in enhancing their competence in mastering teaching skills as teachers, namely preparing, implementing, and closing learning. In addition, they can learn from each other to familiarize themselves with the activities of self-evaluation in learning to be able to learn in professional development activities (Patton & Marty-Snyder, 2014). The form of self-evaluation activities carried out in this study is that students as tutors have experience reflecting themselves in learning through input from other students as students (tutee). Finally, the most visible impact, but not the main thing from peer-tutoring, is to make tutee students master swimming techniques.

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