

Series: *Advances in Social Science, Education and Humanities Research*

Proceedings of the International Conference on Educational Sciences and Teacher Profession (ICETeP 2018)

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Welcome to the 1st International Conference on Educational Sciences and Teacher Profession (ICETeP 2018) It is a great honor and pleasure to bring you the collection of articles from the ICETeP 2018. This conference was organized by the Faculty of Education and Teacher Training - University of Bengkulu, Indonesia, and was held on University Bengkulu campus on October 26-28, 2018.

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

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The current condition of educational sciences and teaching profession in Indonesia, particularly in educational management, learning & teaching process, still requires revitalization. Interaction and communication between researchers from many regions in Indonesia can generate ideas and research collaborations to address actual issues in educational sciences and educational/teacher profession. The researches formed from such collaborations will be able not only to improve an institution but also to improve self-creativity, innovativeness, and competitiveness to continue providing competence/human resources. Therefore, the conference theme is "Revitalization in Educational Sciences and Teaching Profession toward Industry Revolution 4.0 Era".

We would like to express our gratitude to all keynote speakers and presenters from around the world who traveled to Bengkulu to deliver and exchange their ideas. Our appreciation goes to all the committee members who have worked hard to make this event possible. This volume of proceedings provides an opportunity for readers to engage with a selection of refereed papers that were presented during the ICETeP 2018 conference. Scopes of the conference are ranged from, but not limited to Educational Management and Policy, Curriculum and Educational Technology, Teaching Profession, Specific Education, Science Education, Other Areas of Education.

We wish scholars, professionals, and stakeholders from all parts of society and all regions of the world enjoy and discover valuable engagement with authors' ideas in sustaining professional development in the area of Educational Sciences and Teacher Profession.

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[Effectiveness of the Student Council Programs in Vocational High School](#)

Anisah Anisah, Tia Ayu Ningrum, Yulia Ulfa

Student council is problem solving for that. The Purpose of this study is to describe the effectiveness of the implementation program student council in Vocational High School with indicator plan/program, efficiency facilities and infrastructure, and goal. The method is qualitative. Questionnaire has...

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[Increasing the Competence of Scientific Publications of Technology-based Primary School Teachers in Indonesia](#)

Dihamri Dihamri, Haimah Haimah, Abditama Srifitriani

The purpose of the study is to increase the competencies of scientific teacher's publication. Teachers are not hampered in promotion and other position. The method used to achieve the goal is Training for 36 hours. Face to face for 6 times of meetings, individual guidance by WhatsApp (WA) through chat...

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[Constructing the Test for Describing the Students' Problem Solving Skill to Mitigate the Earthquake Disaster](#)

Henny Johan, Eko Swistoro, Syaiful Rohman, Deny Parlindungan, Sipriyadi Sipriyadi

A set of problem solving test had been constructed to describe the problem solving skill to mitigate the earthquake disaster emergency conditions of the junior high

school in the coastal area of the city of Bengkulu. The method which is utilized in this study is R and D, quasi experimental was conducted...

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[Ethnomathematics and Outdoor Learning to Improve Problem Solving Ability](#)

Wahyu Widada, Dewi Herawaty, Abdurrobbil Falaq Dwi Anggoro, Azes Yudha, Misi Kurnia Hayati

Students often have difficulty doing mathematical problems. The outdoor learning with ethnomathematics approach is one solution. The purpose of this study was to determine the increase of the problem solving ability of senior high school students through the application of outdoor learning model based...

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[Increasing the Students' Learning Motivation and Understanding of Concept by Using Examples and Non-Examples Learning](#)

Nurul Astuty Yensy

Learning motivation is very necessary as an encouragement for someone to do learning activity so that learning achievements can be achieved and it can be influenced by the method or learning strategy used, and then previous research examining the learning method of Example and Non-Example had never discussed...

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[The Improvement of the Understanding of Mathematical Concepts through the Implementation of Realistic Mathematics Learning and Ethnomathematics](#)

Dewi Herawaty, Wahyu Widada, Khathibul Umam Zaid Nugroho, Abdurrobbil Falaq Dwi Anggoro

The easiness of learning can be experienced if learning contents and contexts are related to students' daily activities. One of them is a learning approach that has realistic characters based on ethnomathematics. The purpose of the study was to determine the influence of ethnomathematics and realistic...

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[Internal and External Quality Audit in Efforts to Build High Quality in the College of Poltekkes Kemenkes Bengkulu](#)

Darwis Darwis

Abstract Higher Education has the responsibility to carry out quality assurance activities autonomously and independently. In improving the quality, Poltekkes Kemenkes Bengkulu has conducted Internal Quality Audit (AMI) by Auditor and External Quality Audit with ISO 9001 by SAI Global. This research...

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[Design of Internet Integrated Students Worksheet for Developing the Ability of Mathematical Reasoning](#)

Selvi Riwayati, Yuriska Destania

The learning process is the availability of adequate learning resources to support student learning activities. Learning resources that are often used in lecture activities so far are textbooks of publishers that were also used in the course of Introduction to Probability. However, the use of the book...

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[Academic Supervision by School Principals at State Elementary Schools in Indonesia](#)

Haimah Haimah

This study was aimed to examine the implementation of academic supervision planning program, including the follow-up activity of academic supervision and the constraints faced by principals in conducting academic supervision. This study was conducted at one elementary school in Bengkulu, Indonesia and...

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[Abstract Thesis Analysis in Linguistics, Literature, and Language Teaching Fields](#)

Arono Arono

Not all abstracts written by students are in accordance with systematic abstract in a related field of science. In fact, abstracts are the main and important part in the description of the contents of a scientific work so the reader becomes interested in continuing his reading. This article aims to describe...

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[Character Education through People's Story](#)

Aceng Joyo

The purpose of writing is to describe and integrate teaching material with learning materials for students by utilizing folklore for students in the material to preserve the value of local wisdom through folklore. Based on the results of the learning process in class X of Seluma Bengkulu 1 Vocational...

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[Improve Language Learning in Early Childhood](#)

Lydia Margaretha

Does this study raise the problem of how to improve children's language skills by telling stories in PAUD Dahlia Kota Bengkulu? And the child's response to storytelling activities? This study aims to improve children's language skills through storytelling in PAUD Dahlia Kota Bengkulu. This study uses...

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[The Influence of Job Satisfaction, Organizational Commitment, and Team Work on the Elementary School Supervisor Performance](#)

Sumarsih Sumarsih

The objective of this research is to analyze the influence of the job satisfaction, organizational commitment, and team work on the elementary school supervisor Performance. The research was conducted by using survey. The population are the elementary school supervisors in Bengkulu Province. The sample...

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[The Effects of Learning Resilience and Stress on Student Learning Achievement](#)

Zakaria Zakaria

The purpose of this study is to know the effects of learning resilience and stress on student learning achievement. Samples were selected by random technique, as many as 32 students. Data collection was carried out using two questionnaire instruments (i.e. resilience questionnaire and stress questionnaire),...

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[The Development of Dual Mode Experiment Model Based on Physics Problem Solving: Comparing learning achievements between real and virtual experiment](#)

Desy Hanisa Putri, Sutarno Sutarno, Eko Risdianto, Dedy Hamdani

Experimental models based on physics problem solving to enhance critical thinking and problem solving skills (CTS and PSS) have been successfully developed, both real and virtual experiments. The experimental stages consist of problem descriptions, understanding problems, method questions, predictions,...

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[The Cognitive Structure of Students in Understanding Mathematical Concepts](#)

Suharto Suharto, Wahyu Widada

The mathematics was a difficult subject for students to study in senior high school. The purpose of this study was to determine the role of cognitive structure of students in understanding mathematical concepts. The Samples were randomly selected as many as 140 students from the whole students of senior...

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[The Role of Self-Efficacy and Mathematics ability in the Problem Solving Mathematics](#)

Syaipul Amri, Wahyu Widada

The problem solving skills are part of learning mathematics and an important component of 21st century education. But students often experience success doing it. The purpose of this study was to determine the relationship between mathematical abilities, self-efficacy and problem solving abilities. This...

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[Determining Factors of Success of Character Education Management and its Implementation Facing of the Era of Industrial Revolution 4.0: An analysis at elementary school, Province of Bengkulu](#)

Rambat Nur Sasongko

Character education has been carried out in elementary schools, both public and private. But in reality there are still many students who have less commendable characters. This condition is suspected to be less successful character education. There are a number of determinants of the success of character...

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[The Relationship between Motivation, Engagement and Performance of Employee](#)

Bustasar Bustasar, Sumarsih Sumarsih, Khathibul Umam Zaid Nugroho

The purpose of this study was to find out the relationship of motivation, engagement and performance of employees. The study is a survey. Samples were randomly selected as many as 200 employees. The population is whole employees at Office of the Ministry of Religion throughout Bengkulu Province. There...

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[The Influence of Students Sentence Structure Knowledge on Writing Essays](#)

Linda Silawati

The Influence of Students Sentence Structure Knowledge on Writing Essays. This study uses survey methods with path analysis techniques. The population of this study is students of Sekolah Dasar Negeri Bengkulu Tengah school year 2017/2018, and a sample of 5th grade students, totaling 150 people, on average...

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[The Influence of Principal Leadership and Organizational Culture on the Teachers' Performance](#)

Renni Yourneli

Optimal teacher's performance is one of the main factors in the student's learning achievement. Therefore, the study of variables that are thought to have an influence on teacher's performance is very important. The purpose of this study is to analyze the influence of (1) principal's leadership on...

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[The Effect of Thematic Learning Based on Rural and Urban Environment on the Elementary School Students' Knowledge about Their Living Place](#)

Dwi Anggraini, Ansyori Gunawan, Sri Dadi

The purpose of this study was to determine the effect of thematic learning based on rural and urban environments on the elementary school students' knowledge in

Bengkulu about my Living Place. The research design used in this study was the only matching pretest - posttest control group design. The population...

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[Impact of Learning Assistance on Improving the Pedagogic Competence of Tutors](#)

Anan Sutisna, Henny Herawati B. R. Dalimunthe, Ahmad Tijari

This study aims to describe the impact of learning assistance on enhancing pedagogical competence of tutors in non-formal education program for adult, especially inequality education learning at the Community Learning Center (CLC). The implementation of this learning activity tutor competency standards....

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[The Influence of Project Based Learning Model in Thematic Learning by Using Scientific Approach on the Elementary School Students](#)

Neza Agusdianita, Victoria Karjiyati, Hasnawati Hasnawati, Dalifa Dalifa

The purpose of this study was to examine the effect of Project Based Learning model in thematic learning by using a scientific approach to the knowledge, skills and students' environmental care attitudes on the elementary school students in IV grade Bengkulu. This research was quantitative research....

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[Teaching Oceanography Using Ocean Data View Software](#)

M. Lutfi Firdaus, Deni Parlindungan, Rina Elvia, Eko Swistoro, Agus Sundaryono, Lena Rahmidar

The purpose of this study was to improve students understanding of introductory oceanography with the aid of a computer program. The software that we used is Ocean Data View, abbreviated as ODV, which is proprietary yet freely available software for the analysis and visualization of oceanographic and...

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[Building Critical, Tenacious, and Confident Characters through Application of APOS Model: Case study in integral calculus learning](#)

Hanifah Hanifah

APOS Model is a model of Mathematics Learning Based on APOS Theory, which is student-centered and has syntax with phases: Orientation, Practicum, Small Group Discussion, Class Discussion, Exercise and Evaluation. The Worksheet is designed to support the APOS model, which is contain activities for each...

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[Development of Economic Mathematics Learning Materials Based on Problem Based Learning](#)

Farida Kohar, Kuswanto Kuswanto

The purpose of this study was to produce teaching materials for economics based on Problem Based Learning in an effective and interest-oriented Economic Education Study Program based on an enhanced contextual and ICT-based economic education program curriculum. This study uses the Borg and Gall model...

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[Increasing Self-efficacy through Inclusive Education for Autistic Children](#)

Dewi Krisnawati, Khathibul Umam Zaid Nugroho

The purpose of this study was to determine the self-confidence of autistic children through inclusive education. The population of autistic elementary school students in the Kota Bengkulu with a sample of 37 students (SD) in the Kota Bengkulu was chosen randomly. The test results were analyzed using...

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[Improving Children's Fine Motor Skills through Pencil Skills](#)

Sri Saparhayuningsih, Badeni Badeni

This study aims to determine fine motor skills in activities through pencil skills in children. This study used a classroom action research approach with a collaborative approach consisting of several cycles. Data collection methods used observation techniques and student work. Actions to improve fine...

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[Strategy in Improving Research Productivity of the Lecturers](#)

Muhamad Suhardi, Nurhattati Fuad, Unifah Rosyidi

This study aims to express comprehensively about motivation in lecturers' research, institutional policies in supporting the research process, and lecturers' research productivity in teacher training and education science Mataram. This research is a qualitative research by using the intrinsic case study...

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[Rasch Model Analysis on Grammar Tests of “Stepping the 5 Stairs A” Technique for College Students](#)

Satria Agust, Gatot Subroto

This research is aimed at: (1) explaining the role of Rasch model to analyze research instrument used in research and development on grammar technique “Stepping the 5 Stairs A” for college students; and (2) analyzing research instrument used in research and development on grammar technique “Stepping...

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[Ethnobotanical Study of Medicinal Plants by Lembak Ethnic Bengkulu as a Source of Learning Biology](#)

Kasrina Kasrina, Endang Widi Winarni, Bhakti Karyadi, Aceng Ruyani

This research aimed to study diseases can be healing by Lembak Ethnic and to document potential plant for diseases healing. Medical Plants has been determinate. 62 species medical plants documented are used by local people as alternative medicine. The diseases that can be treated include: kidney, cancer,...

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[Dualism System of Higher Education in Indonesia](#)

Moch Iqbal

The higher education system in Indonesia still adheres to two sides, namely science education and religious education on the other side. The separation of the two parts of science between science and religion seems to have not found a common ground. Until now, the integration between the two continues...

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[Effect of Self Efficacy and Emotional Intelligence on Teacher Performance](#)

Saipul Efendi, Khathibul Umam Zaid Nugroho

The purpose of this study was to determine the effect of self-efficacy and emotional intelligence on teacher performance. The population of this research were the teachers of province of South Sumatra which were a teacher of vocational high schools in South Sumatra. Test results were analyzed using inferential...

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[Development of Blended Learning based on Web and Augmented Reality](#)

Eko Risdianto

In this 4.0 revolution era - the cyber physical, internet of thing, big data and cloud computing- everyone will face disruptive era. A university as a producer of educated human resources should be able to produce a high quality graduates. One of the solutions to reach the goal is by using augmented...

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[Character Indexes of the People in the Works of Raja Ali Haji](#)

Abdul Malik, Isnaini Leo Shanty

Character education has been re-implemented in every level of educational institutions in Indonesia. This paper is a result of the research of character indexes to the people in the works of Raja Ali Haji. Five works of Raja Ali Haji, namely Syair Abdul Muluk, Gurindam Dua Belas, Thamarat al-Muhimmah,...

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[The Impact of Principal Leadership Dimensions on School Capacity](#)

Wildansyah Lubis, Gaffar Hafiz Sagala

On the preliminary study, it was found that there were five critical dimensions of Principal Leadership based on sample perceptions in North Sumatra. Following those findings, this study aims to further investigate the influence of those five dimensions on school capacity. The impact of these dimensions...

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[The Implementation of Inquiry Training Model to Improve Student's Independency Learning](#)

Bambang Sahono, Lis Erna Tri Maryanti

The purpose of this research is to find inquiry training instructional model in order to improve student's independency learning. Classroom action research approach was implemented in this research. The subjects of this research were students of class or grade VI at Public Elementary School IX in South...

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[The Models of Assessment to Accommodate Instructional Domain in Blended Blended Learning](#)

Alwen Bentri, Ulfia Rahmi, Abna Hidayati, Dedi Supendra

This article is written as a report of the design phase of assessment instrument models of blended learning in higher education. This study is to identify the assessment models which accommodate three instructional domains, namely: cognitive, affective, and psychomotor. It is important work to be designed...

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[An assessment of Higher Order Thinking Skills \(HOTS\) Based on Rasch Models of Student in Physics Learning](#)

Nirwana Nirwana, Syaiful Rochman, Alif Yanuar Zukmadini

This study I am instrument used for high-level learning at senior high school. Type of research is development of three stages, namely: initial development of instruments, content and empirical validation, and measurement. Instruments that have been validated by experts, tested on 95 students. The next...

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[Student's Problem in Writing Results and Discussion Section of Research Articles for International Journals](#)

Dian Eka Chandra Wardhana, Nafri Yanti, Susetyo Susetyo, Suhartono Suhartono

In writing a research article student are expected to be able to write a good result and discussion in fact, they tend to use descriptive style which cannot categorize as a good result and discussion. Therefore, this research is aimed at describing students learning model in writing result and discussion....

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[The Impact of Contextual Teaching and Learning \(CTL\) Ability in Understanding Mathematical Concepts](#)

Azes Yudha, Sufianto Sufianto, Boby Engga Putra Damara, Budi Taqwan, Saleh Haji

The purpose of this research was to identify the impact of Contextual Teaching and Learning (CTL) on the ability of understand of mathematical concepts. This study used a qualitative descriptive approach to the type of study is a library research, the data obtained from various sources related to the...

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[Profile of Prospective Teacher in the Special Capital Region of Jakarta](#)

Gantina Komalasari, Devie Yundianto, Lussy Dwiutami Wahyuni, Wening Cahyawulan

The purpose of this study was to find out and obtain empirical data about the profile of teacher's candidates regarding gender, teaching experience, teaching attitudes, social competencies, personality competencies, and teaching interests. The method used in this study is the descriptive method with...

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[Equating Method for Small Sample: Comparative research on nominal weight mean and linear method](#)

Deni Iriyadi, Wardani Rahayu, Dali S. Naga

The purpose of this study was to determine the effectiveness of the Nominal Weight Mean Equating and Linear methods on equating using a small sample as a tool for teachers to equate students' scores in the class. This research is included in comparative research comparing two equating methods. The number...

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[Investigating the Impact of Hard Work on the Achievement of Islamic Education and Discipline: Focus on the cognitive abilities of vocational high school students](#)

Agus Jayadi, Gaguk Margon, Suyono Suyono

Islamic religious education (PAI) subjects are the main subjects in high school and have different characteristics from other subjects. However, there is very little research on PAI learning outcomes. The purpose of this study was to determine the effect of the character of discipline, and hard work...

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[English for Specific Purposes in Geography Learning](#)

Yosi Marita, Mirna Yunita, Ade Hidayat

If a lecturer applies a less precise and boring method, the teaching and learning process will not go well. Thus, it is necessary to improve the teaching of English for students by developing more appropriate learning model focusing on learners' needs. It is in line with the application of the English...

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[Implementing Realistic Mathematics Education for Elementary Schools in Indonesia](#)

Anselmus Inharjanto, Lisnani Lisnani

In mathematics learning, concepts and contexts are required that students are able to learn from real-life environment. However, teachers generally equip students with formulas without being accompanied by the ability to comprehend basic concepts. Mathematics learning will indeed be enjoyable if it is...

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[Exploring EFL Teachers' Perception of Pedagogical Task](#)

Erwin Pohan, Muhammad Candra, Suhardi Suhardi

Pedagogic competence is one of the competences that should be owned, comprehended, and mastered by teachers and lecturers to conducting professional job in Indonesian context and Bintan Regency particularly. It can be seen from their ability to help students to practice target language through pedagogical...

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[Mapping Teacher Distribution Analysis with Digitation Technology Implementation to Improve Education Management in Bengkulu City](#)

Nirwana Nirwana, Arie Vatesia, F. P. Utama

Embedded technology in education management is one of the most important things as an aid for Education Department. Not only help in learning process, the use of technology has been also used in many part of education to improve learning process. In this paper, we proposed the idea of mapping the digitation...

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[The Effect of Fable on Increasing Students' Understanding of Plane Figure Concept](#)

Lisnani Lisnani

Fables are stories that tell the lives of animals behaving like humans and having moral message. Fable is a media in learning mathematics about plane figure. The purpose of the study was to improve students' concept understanding and learning motivation in plane figure topic. The types of the research...

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[Using Teaching Materials Outdoor Learning to Improve Mathematical Problem Solving Ability](#)

Wanti Asmara, Lia Waroka, Eka Novrianti Prana Putri, Detty Syefriyani, Tanti Novita, Saleh Haji

The purpose of this study is to determine the improvement of students' mathematical problem solving. The teaching materials consist of textbooks and LKPD. This type of research is quasi experiment (quasi-experimental) with the research population, namely grade VII students of Bengkulu City 19 Middle...

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[The Development of Blended Learning Media for Flipped Classroom Model on Direct Learning in Process Evaluation Courses and Chemistry Learning Outcomes](#)

Hairida Hairida

The development of knowledge and technology is a challenge for educators to be creative in learning. Innovative and interesting learning media is needed now to anticipate the times. This study aimed to develop blended learning media with a flipped classroom model on direct learning in the course of evaluating...

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[The Application of Dick and Carey Learning Design toward Student's Independence and Learning Outcome](#)

Johanes Sapri, Nesna Agustriana, Raden Gamal Tamrin Kusumah

The purpose of this research was to describe the application of Dick and learning design in the course of ICT Design and Multimedia as well as instructional impact and it's accompanied as learning outcomes for students. The design used in this study is Classroom Action Research (CAR) with steps of planning,...

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[Development of Laboratory Worksheet with Argument-Driven Inquiry Model to Enhance the Student's Argumentation Skills](#)

Neni Hasnunidah, Undang Rosidin

Successful investigation in the laboratory was supported by a student worksheet. This study aims to measure the validity and effectiveness of laboratory worksheet on a topic the Excretory Systems in Humans that has been developed based on the Argument-Driven Inquiry Model. The result of the research...

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[Student's Interest and Creativity in Cultural Art and Craft Lessons](#)

Ignasius Putera Setiahati, Lisnani Lisnani

The research objectives are to discover students' learning interest and to investigate students' creativity in creating mosaics, collages and montages by using leaves. These are quantitative and qualitative research. The participants were 25 students of grade IVA in an Elementary School. Data collection...

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[Changes in the Behavior of Junior High School Students in the Learning Process](#)

Andika Nur Hardianto, Nevrita Nevrita, Nurul Asikin

Changes in learning outcomes from student changes, it is expected that future generations will emerge who are well-behaved, qualified and able to get along with the surrounding community. This research method uses cross section method in which research is based on data. Data analysis was carried out...

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[Development of a Learning Module Based on Biofuel Synthesis Laboratory Research from CPO Residual of Palm Oil Mill Effluent \(POME\) with Ultrasonic Irradiation Assistance](#)

Agus Sundaryono, M. Lutfi Firdaus, Nurlia Latifah, Arsela Eko Listiono

Indonesia is the largest palm oil producer in the world, of which 19 Palm Oil Mills (POM) are in Bengkulu Province. POM in Bengkulu generally processes palm fruit bunches into Crude Palm Oil (CPO) with the by-products of Palm Oil Mill Effluent (POME) which contains CPO residues (CPO-res) as much as 0.6-1.2%....

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[Analysis Study of Guidance and Counseling Teachers Competency](#)

Rita Sinthia, Mona Ardina, Anni Suprapti

The purpose of this study was to conduct an analysis of teacher competency guidance and counseling, with a case study in the city of Bengkulu. The methods used are developing study instruments for teacher competency analysis of guidance and counselling, develop scoring techniques and calculations and...

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[The Implementation of Multicultural-Based Theological Education in Bengkulu City](#)

Desy Eka Citra Dewi, Elfahmi Lubis, Zubaedi Zubaedi

One of significant keys that contribute to the success of preserving the unity in cultural diversity of multiculturalism is to build respect and tolerance. This study aims at investigating the implementation of multicultural-based theological education and the barriers of its current practices at Sint...

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[Organizational Culture and the Improvement of Teacher Performance](#)

Khairiah Khairiah, Zakaria Zakaria

This study aims at describing the efforts to improve teacher performance. The method used in this research is a quantitative, descriptive and verification approach. The type of investigation is kausalitas and Path Analysis techniques with the help of SPSS. The component that becomes a benchmark is the...

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[A Teacher's Perception of Print and Digital Literacy in Early Childhood](#)

Mona Ardina, Rita Sinthia, Anni Suprapti

This paper describes the implementation of literacy used by early childhood teachers in language learning in schools. With the background of the modern era and globalization, the purpose of this study was whether print literacy is still necessary and important to be used in early childhood language learning...

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[Development of Audiovisual Media Based on Local Excellences of South Sumatra for Science Learning](#)

Suratmi Suratmi, Lucia Maria Santoso, Laihat Laihat

This study aims to develop audiovisual media based on the local excellences of South Sumatra for science learning in elementary school. The method used were research and development methods. The Research and Development methods used adopted steps from the ASSURE learning media development model. The...

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[Character Education Based on Psychology Perspective in the Industrial Revolution Era 4.0](#)

Ove Roza Putri R. Linge, Fitriah Khoirunnisa, Friska Septiani Silitonga

Journal discusses character education in senior high school students in the era of ir.4.0. the method used is the literature review approach. The results obtained from this study are that character education is really needed in the era of ir. 4.0. This riset result can be used as a reference for character...

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Michiko Mamesah, Hilma Fitriyani, Happy Karlina Marjo, Karta Sasmita

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Afdal Afdal, Alizamar Alizamar, Ifdil Ifdil, Zadrian Ardi, Indah Sukmawati, Zikra Zikra, Asmidir Ilyas, Miftahul Fikri, Yuda Syahputra, Hariyani Hariyani

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Abdullah Muzakar, Nurdin Ibrahim, Priyono Priyono

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Indrawati Indrawati

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Manap Somantri

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Irwan Koto, Agus Susanta

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Aziza Aryati

One of the problems that had received the attention of almost all universities in Indonesia was the radicalization of thought which resulted in anarchism, intolerance and even violence in the name of religion. Radicalism at least at the level of thought had received support from the campus community....

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[The Effect of Jumping Task and Collaborative Activity on Enhancement of Student Critical Thinking Ability](#)

Sri Hastuti Noer, Neni Hasnunidah, Abdurrahman Abdurrahman

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[Prospective Teachers Input Based on Intelligence Quotient in the Institute of Teacher Training and Education](#)

Sofia Hartati, Aip Badrujaman, Wening Cahyawulan

The objective of this study was to describe intelligence quotient (IQ) of prospective teachers in the Institute of Teacher Training and Education. The method used in this study is a quantitative descriptive study method (survey) to describe the conditions that occur in the situation. A total sample of...

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Khoirotul Badriyah

The purpose of the research is to increase motoric ability and mathematical logic for early children through playing engklek traditional game. The basic subject of

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Patuan Raja, Bambang Setiadi, Abdurrahman Abdurrahman

This paper reports on the use of several quantitative analytical approaches, including Rasch analysis, to examine teacher responses to questionnaire items that explore opinions related to knowledge-based teacher, involvement, and expectations in the Teacher Professional Education Program in Indonesia....

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Mohamad Muspawi, Ahmad Hariandi, Dwi Nanda Ramadan

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[Quality Mapping Analysis of Methods, Media and Learning Resources Usage at Junior High School](#)

Muzanip Alperi, Dewi Handayani

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[Constructing EFL Teacher Knowledge Base: A case study of the fourth year EFL pre-service teachers](#)

Feni Munifatullah

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Flora Flora, Patuan Raja

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[The Exploration of History, Potential and Management of Earthquake in the Context of Mapping and Empowerment of Learning Community](#)

Sugeng Widodo, Bujang Rahman, Abdurrahman Abdurrahman

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[Implementation of Moving-goal Football Model in Sports and Health Education](#)

Zulkarnaini Zulkarnaini, Rohiat Rohiat, M. Lutfi Firdaus, Frater Netti

The background of this research is the need to create a new learning model in sports and health education that is more effective. This study aims to produce a learning model in the form of goal football games engaged in physical education, sports and health. The method used is development research from...

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Hadiyanto Hadiyanto, Syahril Syahril, Arwildayanto Arwildayanto, Warni Tune Sumar

Improving the quality of learning in universities can basically be done through a macro-scale approach or with a micro approach through improving the learning situation in the classroom. A macro approach has been largely done by creating national and regional policies. However, micro approaches, such...

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[Achievement of Development on Early Childhood Based on National Education Standard](#)

Nina Kurniah, Desi Andreswari, Raden Gamal Tamrin Kusumah

This study aims to describe the level of achievement on child development by early childhood education institutions, based on national education standards. This kind of research has not been done yet by other researchers. The method used is documentation study / literature study using secondary data...

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[Development Computer Assistant for Evaluation Guidance and Counselling Program](#)

Wirda Hanim, Djunaedi Djunaedi, Happy Karlina Marjo, Sudharno Dwi Yuwono

Evaluation is difficult to realize by previous researchers by developing guidance and counselling service evaluation software. The aim of the study was to develop an evaluation of web-based results so that it would be easier to use by the counselor of guidance and counselling in the evaluation. This...

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Student's Interest and Creativity in Cultural Art and Craft Lessons

Ignasius Putera Setiahati, Lisnani Lisnani

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Abstract—The research objectives are to discover students' learning interest and to investigate students' creativity in creating mosaics, collages and montages by using leaves. These are quantitative and qualitative research. The participants were 25 students of grade IVA in an Elementary School. Data collection techniques employed questionnaires, interview sheets and students' works. The results of the study demonstrate an increase in students' learning interest, suggested by 22 students' happy feeling (88%), student attention mentioned by 18 students (72%), and students' willingness, 20 students (80%) and 20 student's knowledge (80%). In the effort to increase students' creativity in creating mosaics, collages, and montages, 21 students (84%) by using the media of leaves. The students' works as well as show very variety. The conclusion is that students' learning interest is high and students' creativity is significant in creating mosaic, collages, and montages by using the media of leaves. It means using media in students' learning activity particularly leaves has very important effects. To use an appropriate media in learning is one solution to resolve problems related to students' interest and creativity.

Keywords—leaf media; thematic learning picture; learning interest; learning outcomes

I. INTRODUCTION

Curriculum is the field that most directly influences educational outcomes [1]. The curriculum of education in Indonesia has undergone significant changes from time to time, and even seemed to be unstable. In fact, the curriculum is the core of the education process. Indonesia has experienced many curriculum changes (i.e. 11 times). Actually, the curriculum changes aim to improve the quality of education in Indonesia.

This research related to collage, montage, and mosaic art works. In accordance with sub theme 1: Animals and Plants in My Home Environment in Cultural Arts and Crafts subject in the 2013 Curriculum, a teacher may choose leaves as a medium in the learning process to create collage, montage and mosaic. The Cultural Arts and Crafts subject is very important considering elementary school children (around the age of 7 to 12 years) require visual communication (art expression) in line with their physical and psychological development [2].

On the other hand, Indonesian arts and culture are very rich and diverse with very high historical values. Cultural Arts and Crafts subject is taught to elementary school students to foster

the students' sense of love for Indonesian cultural arts.[3] This sense of love can lead to students' interest, creativity, and appreciation for the national arts and culture. [4] Government Regulation No. 19 of 2005 concerning National Education Standards states that cultural arts education covers various aspects of life

This research uses leaves because leaves are easily found at home or school environment. They have various colors and easy to cut them so can create collages, montages, and mosaics easily [5]. There are some researchers that studied collage, montage, and mosaic arts. Mujiono and Kamsidjo B U trained teachers to create collage, montage, and mosaic arts [6]. Nurjaman I, Intan N, and Wahyudi researched the influence of mosaic activity to children' motoric [7]. There are also some studies that learned about leaf media. Nurkhasanah S studied collages using natural material [5]. Emda E learned about using media in biology subject at schools [8]. Most of these studies focus on their subjects. For example, some only focus on collage, montage, and mosaic arts. Others focus on media of leaves.

This research studies the influence of activities in creating collage, montage, and mosaic arts using media of leaves in Cultural Arts and Crafts subject. Do the activities in creating collages, montages, and mosaics by using leaves attract students' interest and foster their creativity? [5].

Students learned how to create collage, montage, and mosaic art works using leaves. Collage, montage, and mosaic arts are works of art that demand sensitivity utilizing environmental objects that were previously useless to be utilized as a beautiful work of art. As a result, the physical ability, thinking power, perceptual power, sense of beauty and creativity will continue to grow [9,10]. Moreover, interest is a feeling of preference and attachment to a thing or activity without being told or influenced [9].

Interest provides new ideas that may be applied in problem solving, or as the ability to view new relationships between elements that have already existed [11]. Creativity is a form of innovation or creation by an individual, both in the form of thoughts, ideas, and other new forms [12]. Creativity is the result of creative thinking, because creative thinking is stated to be the process used when we come up with new ideas [13].

Many studies have investigated about montage, but few have studied montage can be used as the basis of a different kind of pedagogy in English, one that is able to explore the multi-modal dimensions of literary texts and sponsor critical enquiry [14] and mystery montage, a variation of visual mapping, storyboarding, and collage, is utilized to uncover the core of a teaching philosophy and to challenge teachers to expand their horizons within a more holistic context [15]. There is no similar study has been conducted previously studies. The implications of this study are related to students' interest and creativity. It is in line with the research objectives which are to discover students' learning interest and to investigate students' creativity in creating mosaics, collages and montages by using leaves [10].

II. METHOD

This type of research is quantitative-qualitative research. This study is considered as quantitative research because it is classified as quasi-experimental research that measures the students' interest in learning. Further, it can be categorized as qualitative descriptive research because it is descriptive of knowing the students' creativity in the subject of Cultural Arts and Crafts.

The data collection technique used is the survey method using questionnaires that have been submitted and filled out by students to find out how much students' interest in class IVC of Elementary School towards Cultural Arts and Crafts lessons using leaf media. Analysis of the data used in this study uses quantitative descriptive analysis techniques with percentages. The formula for finding the percentage of student interest is as follows:

$$P = \frac{f}{N} \times 100\%$$

Annotation:

P= percentage number

f= frequency of respondent's answers

N= number of frequencies

To provide meaning to the obtained score, a category or grouping according to its level has been created. The grouping uses average (\bar{X}) and standard deviation (SD) to determine the scores grouped into five categories, as in table 1.

TABLE I. STUDENT INTEREST CATEGORISATION

No	Score Range	Range	Category
1	$\bar{X} + 1.5 \text{ SD}$ and above	4.50 – 5.00	Very high
2	$\bar{X} + 0.5 \text{ SD}$ to $< \bar{X} + 1.5 \text{ SD}$	3.50 – 4.49	High
3	$\bar{X} - 0.5 \text{ SD}$ to $\bar{X} + 0.5 \text{ SD}$	2.50 – 3.49	Average
4	$\bar{X} - 1.5 \text{ SD}$ to $\bar{X} - 0.5 \text{ SD}$	1.50 – 2.49	Low
5	Less than $\bar{X} - 1.5 \text{ SD}$	1.00 – 1.49	Very low

Annotation:

\bar{X} = average

SD = standard deviation

Next, data was collected by distributing questionnaires developed using a Likert scale. There are two parts of the questionnaire provided to respondents. The first part is aimed at measuring students' interest in learning which is translated through four indicators, namely attention, interest, feeling of pleasure, and involvement (11 statement items).

The population in this study were all fourth grade students in one of Elementary School in Indonesia in the 2018/2019 academic year as in table 2 below.

TABLE II. RESEARCH POPULATION

No	Class	Male	Female	Total
1	IV.A	15	10	25
2	IV.B	14	11	25
3	IV.C	17	9	26
Total		46	30	76

Table 2 shows the number of population in this study consisted of 3 classes namely IVA, IVB, and IVC with a total of 76 students. The study sample was the fourth grade students of the school as many as one class, namely IVA comprising 25 pupils. Data collection techniques employed questionnaires and interview sheets.

III. RESULTS AND DISCUSSION

A. Student Creativity in Using Leaf Media on the Subject of Cultural Arts and Crafts is Significant

Student creativity in learning can be viewed from the ability of students to create good works in the form of mosaics, collages and montages. The materials used in these three techniques are leaves and other plant parts such as twigs, seeds, flowers, and so on.

The form of creativity suggested by the researchers is diverse. Students may create various animals and plants around them. If students are eager to make a mosaic, in the early stages students create a sketch that will be made using a pencil as in figure 1.



Fig. 1. Students creating sketch.

Figure 1 shows that students sketch a picture of butterfly using a pencil, then the students give glue to the sketch and

paste the leaves on the sketch so that the results are as shown in figure 2.



Fig. 2. The mosaic of a butterfly.

In addition to producing mosaics, students also create collages of various types of animals by using several parts of the plant, so that unique and beautiful works are produced based on students' creativity, such as figure 3.



Fig. 3. Group 1's creativity.

Figure 3 shows that group 1 generates collage works in the form of butterflies, caterpillars, dragonflies, and spiders using leaves both fresh leaves and dried leaves, along with some plant's parts such as seeds, twigs and flowers.



Fig. 4. Group 2's creativity.

Figure 4 demonstrates that group 2 produces mosaic works in the form of ships and whales using leaves both fresh and dried leaves, along with some parts of plants like seeds, twigs and flowers.

B. Student Learning Interest is High

The increase in students' interest was measured from the results of student questionnaires. The data analysis of this study uses quantitative descriptive analysis techniques with a percentage. Learning interest in this research was measured by four indicators, namely, interest in learning, attention in learning, motivation to learn and knowledge [16].

Based on the study results, over all the learning interest is in a high category, judging by the average score of respondents' answers (i.e. 4.34), as in the table 3.

TABLE III. OVERVIEW OF LEARNING INTEREST INDICATORS IN AVERAGE SCORE

Indicator	Item	Average	Interpretation	Score	%
Interest or willingness in learning	1-5	4.30	High	20	80
Attention in learning	6-10	4.22	High	18	72
Motivation to learn or happiness	11-15	4.56	High	22	88
Knowledge	16-20	4.27	High	20	80
Average		4.34	High		

Table 3 explains that the highest score is on the learning motivation indicator (4.56). These results indicate that the encouragement of students to learn and master the lesson taught is in the high category when SBdP subject employs the media of leaves. Interest in learning and knowledge are also high (4.30 and 4.27). They show that the media of leaves in teaching and learning process increase students' curiosity. Even though the lowest score on the attention in learning (4.22), it is still high. This indicates that the media by using leaves can help students in learning focus.

IV. CONCLUSION

Based on the results of this study, it can be concluded that the use of leaf media has an effect on students' learning interest on the subject of Cultural Arts and Craft (SBdP). It is demonstrated by using four indicators, that is, interest in learning, attention in learning, motivation to learn and knowledge [17].

In addition, the use of leaf media fosters students' creativity, when referred to the results of mosaics, collages, and diverse montages. Students' creativity is in the form of butterflies, spiders, caterpillars, fish, dragonflies and ships. Of the 25 pupils who were the subject of the study, according to the data obtained, 21 students are likely to be active in their groups.

ACKNOWLEDGMENT

The researchers would like to express their deepest gratitude to the headmaster, teachers, and students of State's

Elementary School in Palembang, Indonesia who assisted the researchers in completing this study.

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