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The 2nd International Conference on Education Innovation (ICEI) is organized by Education Faculty, Universitas Negeri Surabaya, Indonesia. This international conference aims to unite the scientists, education experts and practitioners, and students in the scientific forum through sharing ideas and issues about theoretical and practical knowledge in special need education, educational technology, educational management, guidance and counseling, early-childhood education, elementary education, non-formal education, educational psychology. This seminar will be held on 28 July 2018 and will take place in Surabaya, Indonesia. The theme for this conference is "Multicultural Education in Digital Era".

Please click here for the conference website. *(Conference website no longer available.)*

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Proceedings of the 2nd International Conference on Education Innovation (ICEI 2018)

PREFACE

The 2nd International Conference on Education Innovation (ICEI) was held in the Whyndham Hotel in Surabaya, Indonesia on July 28th 2018. This international seminar is a continuance occasion from 2017 and will be a regular event. It had many important issues about education discussions and exchanged most recent ideas that contributed to the success of the conference. This conference had qualified key speakers, Prof. Kieron Sheehy, Ph.D from The Open University, United Kingdom, Prof. Dr. Muchlas Samani, M.Pd from Universitas Negeri Surabaya, Indonesia, Prof. Seung-Won Song from Hankuk University of Foreign Studies, South Korea, Dr. Andrzej Cirocki from York University, United Kingdom, who had beneficial knowledge, especially about education. Participants and presenters from several countries made the conference truly international in scope. Those key note speakers materials strengthened the proceedings that were presented on the the conference and provided much opportunity for education discussion.

The number of all the qualified papers for the proceeding selected for the Atlantis Press proceeding is 165. Participants of International Conference and Call for Paper are attended by researchers and participants from universities in Indonesia and abroad, practitioners, technocrats and undergraduate, graduate and postgraduate students so their participation is coloring this

international conference because the Multicultural Education in Digital E
very important and has academic value and can practically increase the
expertise, knowledge, expertise and professionalism of the participants.

The Education Faculty - Universitas Negeri Surabaya thank and highly
appreciate this trust, for all those who have helped organize this International
Conference, we wish thank to invited speakers and participants for sharing
and their active contribution in the conference. We also greatly thank to the
organizing committee, the members of committees, reviewers and sponsors
for supporting the conference. We also would like to express our gratitude the
authors for contributing their research result to the conference.

Budi Purwoko
Chairman of Organizing Committee

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Enculturation of Character Education Through Transforming School Cultural Values at Elementary School in Indonesia

Dyan Eka Pamungkas, Suhanadji Suhanadji, Hendratno Hendratno, Sukarman, Mustaji, Maria Veronika Roesminingsih

Character education values can be integrated not only when learning in class, but also in school culture. Some teachers do not integrate these character education values in school culture. The purpose of this study was to find out about the transformation of school cultural values in character education...

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Media Literacy in Extracurricular Activities of Journalism to Strengthen Civic Education

Yenik Wahyuningsih, Erny Roesminingsih, Sri Setyowati

In the 21st century, the millennial generation is the multicultural society. They need space to actualize the value of nation's character in implementing civic education. Extracurricular activities of journalism can help them develop balanced interest and talent with media literacy program. This research...

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The Implementation Of Contextual Teaching And Learning

(CTL) Improving Social Skill And Cognitive Development O Kindergarten Children Group B

Muznah Muznah, Siti Masitoh, Rachma Hasibuan

The large number of learning applications focused on transferring knowledge, repetition, and non-contextual teaching in pre-school becomes the background of the study. The objectives of the research are 1) to know the influence of Contextual Teaching and Learning (CTL) in improving cognitive development...

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Entering Children's Literacy Through Whole Language Approach

Ari Susanti, Mustaji Mustaji, Umi Anugerah Izzati

The aim of this research was to determine the influence of the whole language for kindergarten students, especially in early literacy. The researcher chose a whole language approach to help children age 4-5 years understanding early literacy because it integrated 4 language capabilities: reading, writing,...

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Application of Make A Match Learning to Increase Learning Outcomes for Primary School

Istihanah Rahayu, Mustaji Mustaji, R.R. Nanik Setyowati

This study aims to increase the student activities and learning outcomes through the application of making a match learning model with audiovis This research is a Classroom Action Research using Kemmis Taggart model, which includes 4 stages, namely: (1) planning, (2) action, (3) observation, and...

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Comparison of Students' Writing Ability Stimulated in Silent and Motion Series Image Media

Achmad Nurohim, Bambang Yulianto, Suhartono Suhartono

The learning of writing for elementary school students is still dominated by the use of conventional learning media. This results in less attractive learning for students. Consequently, student's learning activities and their learning outcomes are low. These conditions occur in fifth-grade students of...

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Implementation of Problem Based Learning to Improve the Critical and Creative Thinking Skills

Asmiatin Anisaroh, Maria Veronika Roesminingsih, Totok Suyanto

This is a class action research that aims to improve students' critical and creative thinking skills through the application of problem-based learning model on fourth-grade students of SDN Gayungan I / 422 Surabaya. This study was conducted during two learning cycles. The subjects of the study were the...

Proceedings Article

Problem Based Learning to Increase Activity and Learning Outcomes of Students Primary School

Sofijah Sofijah, Muhari Muhari, Suhanadji Suhanadji

This classroom action research aims to improve the activity and learning outcomes through the application of problem-based learning model. This research is a classroom action research using design from Kemmis Taggart covering 4 stages: (1) planning, (2) action, (3) observation, and (4) reflection. The...

Proceedings Article

Application Of Stad Cooperative Learning Of Primary

Atik Miftachul Rohmah, Yatim Riyanto, R.R. Nanik Setyowati

Based on observations made by researchers in class IIc SDN Klakahrejo I-578 Surabaya, some problems were found including that learners did not concentrate on learning and were passive in groups while the teachers did not use learning model. 67% students did not complete the materials. To improve these...

Proceedings Article

The Influence of "Problem-Posing" Learning Model To Activities and Learning Outcomes In Elementary School

Angga Setiawan, Ketut Prasetyo, Muhammad Turhan Yani

The problem is the dominant role of the teacher in teaching and learning activities so students become less active in the learning process. As a result, the researcher needs a learning model that makes students more active and the learning results will increase. One of the ways is by using the Problem...

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The Application of Inquiry Learning to Increase The Activity and Critical Thinking Skill

Wulan Cahyaning Rautri, Maria Veronika Roesminingsih, Totok Suyanto

This research aims to describe the application of inquiry learning by utilizing the environment to increase the activity and critical thinking skill of the students in the fourth-grade social sciences lesson at SDN Bangkingan II/442 Surabaya. This research is a classroom action research using a procedure...

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Application of Problem Based Learning Model to Increase Learning Activities and Critical Thinking Skills

Ririn Wijayanti, Muhari Muhari, R.R. Nanik Setyowati

The purpose of this study is to improve learning activities and skills of critical thinking through the implementation of learning models based on problems

in fourth-grade students. This is a classroom action research conducted i two cycles. The subjects were 34 students of grade IV of primary school...

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Digital Storytelling Media by Paired Storytelling Model to Improve Speaking Skills

Wachida Ummah, Suhartono Suhartono, Bambang Yulianto, Muhammad Nahdia Fahmi

This research develops digital storytelling (DST) media with paired storytelling model. Specifically, this study aims to describe the process and quality of DST media development with a paired storytelling learning model to improve the speaking skills of grade II students of SDI Annur. This type of research...

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The Impact Of The Use Of Materials-Based Multicultural Media With The Quartet Card Towards The Attitude Of Student

Dwi Kirana Moehani

The aims of the research is to analyze the influence of the use of multicultural based teaching materials with the media of quartet card on the attitude of student tolerance. Type of research is a quasi-experiment using a quantitative approach. The research design used adapted Nonequivalent Control Group....

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Textbook Development Of Game Education Tools In Courses Oriented To Contextual Approach To Improve Student Learning Outcome at PIAUD Bachelor

Nur Fitriyanti, Mustaji Mustaji, Rachma Hasibuan

This study aims to develop and test the feasibility, and the effectiveness of Contextual Teaching and Learning (CTL) -oriented textbooks of educational game. The observation model and the Dick and Carey development model were used in this research. The results show that CTL-oriented textbooks are worthy...

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Developing Science and Creativity Through the Water Playing Exploratory Game

Ratna Hasmawati, Wahyu Sukartiningsih, Bachtiar Syaiful Bachri

This research aims to review (1) the influence of water-playing exploratory game to the children's science ability, (2) the influence of water-playing exploratory game to the children's creativity. The researcher is choosing an exploratory game to develop children's science and creativity between 5 to...

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The Implementation of School-Based Management in Extracurricular Robotics Execution at Elementary School

Reni Maya Sari Yusuf, Karwanto Karwanto, Yatim Riyanto

The purpose of this study is to describe and analyze: 1) the implementation of school-based management in robotics extracurricular at SD Muhammadiyah 4; 2) factors supporting the implementation of school-based management in robotics extracurricular at SD Muhammadiyah 4; 3) and inhibiting factors of the...

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The Implementation of Quantum Teaching to Increase Students Activities and Learning Outcomes for Primary School

Rina Wahyuningrum, Muhari Muhari, Totok Suyanto

This study aims to improve students' activity and learning outcomes of the social science under the sub theme "the uniqueness of the area where I live" through the application of quantum teaching model assisted with audiovisual media in the 4th grade students of SDN Ujung V, Surabaya. This is a Classroom...

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The Effect of Pindan Gonnung Traditional Game Toward Cognitive and Rough Motoric Development in Kindergarten

Wedya Puspita, Wahyu Sukartiningsih, Andi Mariono

This research aims to test the effect of "Pindan Gonnung" traditional game toward cognitive and rough motoric development in Kindergarten. This research used experimental with pretest and posttest control group design. The results show that the "Pindan Gonnung" traditional game is one of the games that...

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Implementation Of Neuroscience Learning To Develop Early Childhood's Cognitive

Novfitri Kurniawati, Mustaji Mustaji, Sri Setyowati

This study aims to know in depth about the implementation of neuroscience learning to develop cognitively in Early childhood. Especially to stimulate brain structure so as to have a perfect executive function in the future. Due to the impact of globalization that changes the pattern of children to lazy...

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The Implementation of STAD Combined with Dartboard to Increase Students' Learning Outcomes and Cooperation

Reny Agung Pratiwi, Maria Veronika Roesminingsih, R.R. Nanik Setyowati

This Study based on fact that students' ability in social studies at fifth grade is low. The aims of this study are to describe the implementation of Students' Team Achievement Division model combines with dartboard to increase

students' learning outcomes and cooperation in economic activity at the fifth...

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Parenting and Self Esteem Levels Of Children

Noerma Rosalina, Najlatun Naqiyah

The purpose of this research is to see parenting and level of self-esteem. This research using descriptive analytic methods in junior high school, with a cross-sectional approach The Self Esteem scale and parenting were given to 60 students. The univariate analysis showed that 51 students (85%) with...

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The Influence of Smart Board Game Toward 4-5 years old Children's Cognitive Development

Kristin Anggraini, Siti Masitoh, Umi Anugerah Izzati

The aim of this research is to develop children's cognitive through a game. This research adopts the quantitative research methodology with Experimental Design research design. The output of this research is to perform the influence of Smart Board Game toward children's Cognitive Development, whereas...

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The Development of Sparkol Videoscribe Based Internet Learning Media in Improving Writing Skills of Indonesian Language for Elementary School Students

Ana Sofiya, Bambang Yulianto, Hendratno Hendratno

The key to the success of learning is the credibility of a teacher in the classroom when utilizing and mediating in addition to curriculum's greatness or the full range of school facilities and circumstances. Teachers have responsibilities and duties in planning and practicing the plan in the learning...

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Transformation of Multicultural Education Management in Primary School

Dani Nurcholis, Soedjarwo Soedjarwo, Mudjito Mudjito

Transformation of multicultural education management must be considered in schools and countries. Because the conditions of different ethnic, religions, languages and cultures have potential wealth as well as problems that will arise because of it. The problems associated with this assessment relate...

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The Modification of Hopscotch for Developing Children's Gross

Motor and Social

Nur Azizah Sriwidari, Mustaji Mustaji, Rachma Hasibuan

Nowadays children's gross motor and social are a crucial problem to be solved including Indonesian children. The low capacity of gross motor and social will affect children's lives in the future. This research aims to determine the effect of a modified hopscotch on the development of children's gross…

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Quantum Teaching-Learning Model to Increase Motivation and Learning Outcomes (Application Audio Visual Media to increase Understanding Symbols of Pancasila Principles)

Oktavia Catur Nunggalina, Muhari Muhari, R.R. Nanik Setyowati

Based on the observation conducted by the researcher at IB class, some problems in the learning of civic is low motivation and learning outcomes. This study aims to improve students' motivation and learning outcomes on the subject of understanding the symbols of Pancasila with visual audio media in IB…

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The Implementation of Curriculum 2013 Using Semester Credit System At Senior High School

Riza Aulia Widyaningsih, Yatim Riyanto, Mudjito Mudjito

This study aims to investigate the implementation of curriculum 2013 using

Credit Semester System at Madrasah Aliyah (senior high school level) that focuses on the supporting factors and factor inhibiting implementation of curriculum 2013 using Credit Semester system. The design of this study is descriptive...

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The Development Of Learning Technology Based On Character Building With Dick And Carey Model

Noviana Desiningrum, Endang Nuryasana, Mustaji Mustaji, Andi Mariono

This research aims to develop teaching materials learning technology by integrating the strengthening of the characters are arranged with the Dick and Carey model. Strengthening the characters are built with the spirit of "Kita BISA". The meaning of "Kita" represents lecturer and students, while "BISA"...

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Development Learning Tools with CTL Approach for Elementary School Students

Rizky Nugroho, Mustaji Mustaji, Suhanadji Suhanadji

This research aims to produce learning tools with a Contextual Teaching and Learning approach (CTL) that is valid, practical, and effective for fourth graders in elementary school. This research is a development study using 4D development model which includes four stages of define, design, develop and...

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Worksheet Development with The Problem Solving Methods at Grade IV of Elementary School Students

Wikan Nurrohmahadita

The research background starts from the number of teachers who have not done the worksheet development. The purpose of this research was to describe the worthiness of worksheet with the problem-solving method to improve critical thinking and problem-solving skills of fourth-grade elementary school students....

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An Analysis of the Possibility of Origami Implementation in Mathematics Learning Process in Indonesia

Muhammad Toyib, Naufal Ishartono

Origami is the art of paper folding originated from Japan. It is, based on previous research has many benefits, especially in the learning of mathematics in the classroom. Therefore, there is a need to study about the possibility of application of origami in the process of learning mathematics in Indonesia....

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Are You a Zaman-Now Teacher? The correlation between work experience and meaning of work with the accuracy of selecting learning methods in early childhood education

Veronika Ria, Hendratno Hendratno, Miftakhul Jannah

At the present time, the role of early childhood teachers is not just as teachers but also lesson designers. The current phenomenon shows that the accuracy of selecting a learning method is supported by work experience and work interpretation. The purpose of this research is to explore the phenomenon...

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The Principals' Leadership As Academic Supervisor In Elementary School

Mariyatul Fikriyah, Yatim Riyanto

This study aims to determine the leadership of the principal as an academic supervisor, supporting factors and inhibiting the implementation of academic supervision. This research uses qualitative approach with case study type. The result is that the principal work with teachers and other stakeholders...

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The Implementation of Classroom Observation Supervision In Senior High School

Dewi Ramadhani Astyowati, Karwanto Karwanto

The purpose of this study is to describe and analyze: (1) the preparation for supervision of classroom observations, (2) the process of supervision of classroom observations, 3) the reciprocal meetings by principals, and (4) the implementation of classroom observation supervision. This study used a qualitative...

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The Effect of Discovery Learning Model on Social skills And Students' Learning Outcomes of Mycultivation Theme in Fourth Grade of Elementary School

Siska Nur Wahida, M. Bambang Edi Siswanto, Nasution Nasution, Suhanadji Suhanadji

This study aims to analyze the effect of discovery learning models on social skills and learning outcomes of fourth grade elementary school students . The research is a quasi-experimental research with pre-post test control group design. The dependent variable in this study is the discovery learning...

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The Effect of Field Trip Method on Social Emotional and Language Development in The Kindergarten

Susiana, Siti Masitoh, Andi Mariono

Low social emotional ability and language development in children is caused

by several factors, such as the choice of inappropriate learning methods, attention of learning activities and the lack of teacher enthusiasm in the of social and emotional development of language. Outside class activity...

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The Effect of Ladders Snakes on Gross Motor and Cognitive Development in Kindergarten

Ana Falera, Siti Masitoh, Sri Setyowati

The purpose of this study is to examine the effect of snakes and ladders on gross and cognitive motor development in kindergarten children in group B. This study used a quantitative approach with quasy experimental design with nonequivalent group design research design. Total samples of 64 children were...

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Training Model of Troubleshooting Mathematics Materials of LCM And GCD Through PBL

Siti Muniroh, Siti Maghfirotun Amin, Tatag Yuli Eko Siswono

The purpose of this research is to investigate the 4th grade of elementary school students in term of solving their skill of LCM and GCD in math in the form of problem solving through model problem based learning (PBL). To support the research, the research procedure used a classroom action research...

Proceedings Article

The Effect of Geometry Box Media on the Ability to Know the Concept of Numbers and Geometric Shapes

Lidia Safitri, Wahyu Sukartiningsih, Sri Setyowati

This research aims to know the influence of geometry box media against the ability to know the concept of numbers and geometric shapes in the group A. This research is quantitative approach with the types of experimental quasy research using non-equivalent control group design. Media of geometry box...

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Improving Beginning Reading Skill Through Mini Garden

Mia Rachmawaty

This action research is motivated by the lack of teacher's knowledge in the strategy of children's beginning reading skill. They use flash card without knowing and showing the symbol of code for children in steps. Children sometimes avoid and even refuse to join beginning reading activity. The purpose...

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The Blended Learning Model for Orthopedagogic of Children With Physical Disability Course

Endang Pudjiastuti Sartinah, Sri Joeda Andajani

The aim of this research is to produce prototype of blended learning model product for orthopedagogic of children with physical disability course in special education department. This development research used ADDEM design (Analyze, Design, Develop, Deliver, Evaluate, and Maintenance). In this research,...

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The Development of Textbook Based Approach To Teach Scientific Literacy At 5th Grade

Sri Utaminingsih, Muslimin Ibrahim

This research aimed to produce textbook based on scientific strategy and to describe validity, practicality, and effectiveness of textbook as well as teach scientific literacy skills of students on heat and displacement material. This was developmental research (Research and Development). This research...

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Development of Problem-Based Learning Models to Increase Learning Outcomes in the Subtheme "My Residence"

Faidah Nur Imamah, Wahyu Sukartiningsih

The purpose of developing learning tools by using problem-based learning

model is to obtain a feasible, practical, and effective product. The develop procedure uses Thiagarajan's 4-D (Four-D Model), Semmel & Semmel (197 model adopted from Ibrahim (2008). The development procedure consists of 3...

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The Effectiveness of Integrated Learning of Immersed Models to Improve Students' Ability on the Environment

Sofia Godeliva Un Lala, Prabowo Prabowo, Suryanti Suryanti

The main purpose of this study is to describe the effectiveness of integrated learning of immersed models to improve the ability of elementary school students in the environmental field. Education on the environment needs to be organized given the increasingly severe environmental damage symptoms from...

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The Influence of Modified Dakon on the Understanding of the Concept of Numbers and Motor Abilities

Nia Aminatus Sholihah, Mustaji Mustaji, Miftakhul Jannah

This quantitative research aims to examine the influence of Modified dakon on the ability to understand the concept of numbers and motor abilities of children group A. Research children aged 4-5 years at RA STAI Laboratorium background by the lack of ability to count numbers 1-10. The population of this...

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Game Lempar Gelang for Problems Know the Concept of Numbers and Emotional Regulation on Child B Group Kindergarten

Briyantika Puji Lestari, Wahyu Sukartiningsih, Andi Mariono

One of the best strategies for stimulating children's cognitive and emotional development is to play. Playing with children also learns to recognize itself and the world around it by exploring and examining some of the things that are heard, felt and seen. In developing cognitive and emotional needs...

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Jump Rope Games Modification: Enhancing Children's Motor and social skills

Heppy Zakiyatun Nissa, Mustaji Wahyu, Hendratno Hendratno

Physical activities are essential elements that allow children to enhance their developments especially through activities based on traditional games. Jump rope games is a physical game which is modified by traditional games that promote early motor and social skills in kindergarten aged 5-6 years in...

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Exploring Teachers' Beliefs and Practices in Early Childhood Classroom

Irena Yolanita Maureen, Mustaji Mustaji, Mutiara Fhatrina, Sulistyowati Sulistyowati

The world of the future is and will be increasingly become digital and therefore, multicultural. The dynamic changes in how children learn and live challenged the early childhood teachers to adjust the curriculum in order to support the children accordingly. This study aims at reviewing the teacher beliefs...

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Implementation of Model Simulation in Improving Students' Motivation and Cognitive Ability

Anita Dwi Anggraini, Muhari Mustaji, R.R. Nanik Setyowati

This study aims to improve students' motivation and cognitive ability through the implementation of model simulation. The subjects are fifth graders at SDN Wonorejo IV/315 in Tegalsari, Surabaya. This classroom action research used interview and observation to collect the research data. Data validity...

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Development of Learning Materials Based on Guided Inquiry to Train Scientific Literacy in Primary School

Ike Khusniyawati, Suryanti Muhari, Tjandra Kirana

This research is development of science learning materials based on guided inquiry. It modified 4D models on Human Digestive System material to train students' literacy. It used One Group Pretest-Posttest Design. The result showed that learning device consisting of learning plan, student activity sheet,...

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Profile of Student Life Skills on Environmental Change Problems on the topic of Waste Recycling

Santi Santi, Widi Suryanti, Yayan Sanjaya

Life skills is one of the skills or ability to solve a problem. Life skills of academic skills is one that students need in solving problems one of them in everyday life. This study aims to analyze student's life skills by using three indicators on academic ability: identifying and connecting variables,...

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Influence of CTL Approach To Improve Critical Thinking Skills and Social Study Learning Outcomes In Primary Schools

Kuspina Pandu Winata, Rusijono Rusijono, Ketut Prasetyo, Waspodo Tjipto Subroto

The research aims to examine the effects of the application of contextual teaching and learning (CTL) approach to increase critical thinking skills and student learning outcomes in primary school. This research used Quasi-Experimental Research using nonequivalent group design. The data were

obtained...

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Student Worksheet Based on Mind Mapping to Increase Activities and Learning Outcomes

Galih Nurcahyo, Rusijono Rusijono, Ketut Prasetyo

The purpose of this research is to develop student worksheet product based on cooperative model of mind mapping. The student worksheet is tested to find out its effectiveness in improving the activity and students' learning outcomes. student worksheet is developed based on the steps of cooperative model...

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Relationship between Self-Concept and Socioeconomic Status with Student Career Planning in Vocational School

Indra Lacksana, Sugiyo Sugiyo, Awalya Awalya

The aim of this research is to determine the relationship between self-concept and socioeconomic status with career planning students in Vocational High School. This research uses the quantitative approach with multiple correlation research type. The population in this study is 289 students in vocational...

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Relationship Between Self-Concept and Socioeconomic Status with Student Career Planning in Vocational School

Luluk Dina Islamiyah, Retno Tri Hariastuti, Najlatun Naqiyah

The aim of this research to determine how big the relationship between self-concept and socioeconomic status with career planning students in Vocational High School. This research uses the quantitative approach with multiple correlation research type. The population in this study are 289 students in...

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The Influence of Storytelling Method on Language

Development

Novita Widiyaningrum, Siti Masitoh, Rachma Hasibuan

This study aimed to analyze the influence of storytelling through picture card on expressive language development of children aged 5 to 6 years. This study used a quantitative approach method. The independent variable was the storytelling method through picture card while the dependent variable is the...

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Developing a Short Character Based Film Increasing the Moral Value of Kindergarten

Yuyun Sriwahyuni, Mustaji Mustaji, Umi Anugerah Izzati

The Background of this research focuses on the effort of developing Learning Media In form of character-based film. The film is applied in order to help the character of Early Childhood education in learning process of the character. The research questions are: 1. How is the feasibility of character...

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Analysis Technological Pedagogical Content Knowledge Ability of Teachers

Junairoh Kestiani, Riandi Riandi, Diana Rochintaniawati

This research aims to describe the ability of technological pedagogical content knowledge (TPACK) high school biology teacher in West Bandung Regency on growth and development material. The research method used is

case study. Research subjects are high school teachers, who are involved the subject...

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The Analysis of 21st Century Teachers' Ability in Technological Pedagogical Content Knowledge

Riandi Riandi, Vina Apriliana, Widi Purwianingsih

This study aimed to analyze how the ability of biology teachers forum (called as MGMP Biology teachers) on the 21st century TPCK. This case study was conducted on 10 MGMP Biology teachers from different schools as the participants. The data were collected by using a questionnaire. The data analysis was...

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The Effect of Multisensory Method on Children Language Development

Kurnia Oktafianto, Siti Masitoh, Hendratno Hendratno

This study aims to analyze the effect of multisensory method on language development for kindergarten students. Researchers choose a multisensory method to help 5-6 years old children in understanding early literacy. Multisensory method has the principle of teaching that involves several modalities of...

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The Influence of Storytelling Method on Children Language Development

Novita Widiyaningrum, Siti Masitoh, Rachma Hasibuan

This study aimed to analyze the influence of storytelling through picture card on expressive language development of children aged 5 to 6 years. This study used a quantitative approach method. The independent variable was telling story method through picture card while the dependent variable was expressive...

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Identity in Literacy Artefact of Elementary School Student

Sri Rahayu, Bambang Yulianto, Suhartono Suhartono

Identity is the most important thing of language teaching, because identity has the most role makers in literacy. As the important thing in the learning of literacy, this identity makes a different character from any literacy practice of students' products. Student literacy product can be collected based...

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Implementation Of Strategic Management In The

Establishment Of Characters In Basic School

Siti Ayu Suprapti, Yatim Riyanto

The purpose of this study was to determine and analyze: (1) management strategies in the formation of student character, (2) implementation of strategic management in the establishment of characters in basic school. This research is a qualitative descriptive study. The method that is used in this research...

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The Effect of Softbook on Cognitive and Social Development of 4-5 Years Old Children

Nisa'el Amala, Bachtiar Syaiful Bachri

This study aims to determine the influence of the softbook on cognitive and social-emotional development of 4-5 years old children. This research is included in quantitative research that is quasi-experimental using non-equivalent control group design. The result of the research is a busy book including...

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The Implementation of School Operational Assistance Program Policy at Primary School Levels

Achmad Baidowi, Maria Veronika Roesminingsih, Soedjarwo Soedjarwo

The primary school fund of School Operational Assistance in Sampang in

2018 that has been managed in various way is Rp. 55,347,200,000. The pu:
of this resarch is to describe the interpretation process, organization, and
application of School Operational Assistance program policies by using
qualitative...

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The Implementation of Academic Supervision in Senior High School Level

Mohammad Masykur, Erny Roesminingsih, Totok Suyanto

This research discussed the implementation of academic supervision done by
the school principal on the teachers in senior high school of Al-Aziz tlambah
karang Penang Sampang. This research used a qualitative research method
through the descriptive design. As receipt of the technique was used in the...

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The Development of "Ayo Membaca" Android Application for Reading Assessment

Iva Evry Robyansah

The growth of information technology encourages the use of a smartphone in
every aspect of life including the evaluation on education. Therefore, an
innovative technology is needed to ease the process of reading assessment
through the technology acceptance model, the acceptability level of
information...

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The Development Of Children Expressive Languages Viewed From Parental Care

Evi Fatimatur Rusydiyah, Hernik Farisia, Rohmad Eko Wahyudi

This research aims to analyze the development of expressive language of children in terms of parental care. This research uses a descriptive qualitative research design. Informants in this study are children and parents. Data collection techniques in this study are observation techniques, interview techniques...

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The Development Of Expressive Languages Viewed From Parents Parenting Patterns

Balgis Nur Fauzani, Siti Masitoh, Sri Setyowati

This research is motivated by the development of child's expressive language that has not developed according to this age. This is caused by parenting that is applied by parents. This study to analyze the development of expressive language of children in terms of parental care. This research includes...

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Readiness Of Community Learning Center in The ASEAN Economic Community Era

Rivo Nugroho, Indrawati Theresia, Widya Nusantara

The era of the ASEAN economic community as if become scary for the people of Indonesia, in the center of the weak competitiveness of local, the weak the protection the state of the sector local (economics, industry, and education) skeptically capable of grated local potentials main education sector lack...

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Influence of Problem Based Learning Model on Thinking Skills Critical and Student Learning Outcomes Elementary School

Didik Setyono, Ketut Prasetyo, Muhammad Yani Turhan

Critical thinking is skills that must trained from basic education because can give a good effect and benefit the higher education, while learning results obtained by students during follow lessons schools. The research objective is analyze impact Problem Based Learning model on thinking skills critical...

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The Development of "Lianala" Game Device for Early Childhood

Cynthia Elfadinaria, Mustaji Mustaji, Rachma Hasibuan

The purpose of this study is to produce a "lianala" game device that is suitable to be used to stimulate gross and cognitive motor development of early childhood. The tools developed are "lianala" game devices consisting of (1)

"lianala" games, (2) APE "lianala", (3) "lianala" game guide books, (4) Weel

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Academic Supervision To Improve Teacher's Performance in Elementary School

Ambar Nur Asih, Erny Roesminingsih

Supervision has become a cross-cutting edge tool and a pivot around which performance revolves. There are widespread and on-going debates centered on the influence of effective supervision on academic performance in our academic. This study examined the role of supervision in academic performance in...

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The Effect of Geometric Puzzle Game Towards Children's Recognition of Geometric Shapes and Fine Motor

Yuniarini Kuspita Sari, Wahyu Sukartiningsih, Miftakhul Jannah

The research found that the children's recognition of geometric shapes and fine motor in Group A was low. Such finding was caused by the classical method of learning applied in the classroom such as lecturing and having the children do worksheets so that the learning activities were not attractive as...

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The Implementation of SBM in Extracurricular Activities at Elementary school

Prasetyana Nuriyah Fitri, Sri Setyowati

This study discusses about how the implementation of SBM in support ofextracurricular activities in Airlangga I surabaya Elementary School . SBM itself has three important pillars of participation, transparency and ccountability. The purpose of this study is to see how the implementation of SBM, especially...

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The Effectiveness of Time Token Learning Model for Elementary School Students

Izzatul Lailah Wijayanti, Aminuddin Kasdi, Suhanadji Suhanadji

the study aims at evaluating the effectiveness of time token learning model implementation to increase critical thinking skills for elementary school students based on students' activities and lesson plan implementation. The data were collected through observation by using research diary and observation...

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The Influence of Self-Efficacy Towards the Grit of

Multidisciplinary Post-graduate Students

Mimbar Oktaviana

The main purpose of this research was to know the effect of self-efficacy towards the multidisciplinary post-graduate students' grit. A grit is an encouragement that comes from within the individual in the form of persistence to attract and maintain the spirit to keep struggling in order to face the…

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Cooperative Learning Mode of Students Team Achievement Division (STAD) with Mind Mapping Technique to Increase 4th Grade Students Learning Result

Cumalasari Erita Indah, Made Pidarta, Ketut Prasetyo

This study objective was to (1) Develop the implementation of cooperative learning (2) Develop Students Team Achievement Division (STAD) learning model (3) Develop Mind Mapping technique (4) Improve student learning result. This research uses a qualitative positivistic approach with Classroom Action…

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Disparities in the Implementation of Inclusive Education in Junior High Schools

Muhammad Masrur Huda, Mudjito Mudjito, Warih Handayaningrum

The government's policy on inclusive education demands that the implementation of inclusive education of each implementing agency should be in accordance with the standards that have become the reference. However, it is undeniable that every institution has different interpretation about implementing...

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The Development of Comprehensive Guidance and Counseling Program Model

Miswatul Mughiroh, Retno Tri Hariastuti, Najlatun Naqiyah

The aim of this research was to design and develop comprehensive guidance and counseling program covering the competency standard of personal, social as well as study and career field. This research used Research and Development (R & D) method. The population in this study were 450 students in Junior...

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The Effect of Scientific Approach Towards Students' Activity and Learning Outcomes

Ahmad Fanani, Rusijono Rusijono

This study aims at determining the effect of scientific approach to the activity and learning outcomes of fourth graders of elementary school in Hang Tuah 6 Surabaya. This research was conducted using quantitative approach with experimental research and pretest-posttest design. The subject of the study...

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The Effectiveness of Course Review Horay Cooperative Learning Model for Elementary School Students

Paramananda Hutomo Putri, Aminuddin Kasdi, Wahyu Sukartiningsih

This study aims at evaluating the effectiveness of review horay cooperative learning model with power point media to improve critical thinking skills and student activities. The research used evaluation sheet and observation sheet. The participants were 50 fourth grade elementary school students in Sidodadi...

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What is Visual Quantum Learning Effect to Student Learning Results

Suryanti Suryanti, Cendera Cendera, Mintohari Mintohari, Farida Istianah

The problem faced by developing countries, including Indonesia, are still the lowest thinking of student ability, proved the low value of the PISA test. An alternative to improving the problem of student ability is the application of visual quantum learning. The research aims to determine how the influence...

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The Effect Of TGT (Teams Game Tournament) With Snakes And Ladder Media On Primary School Activities And Learning Outcome

Intan Wardhani Putri, Ketut Prasetyo

This study aims at determining the influence of team games tournament with snake and ladder media on activities and learning outcomes of fourth-grade elementary school students. This study used a quasi-experiment research design. The research design used was Non-equivalent Control Group Design with observation...

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The Effect of Discovery Learning Method Towards Students' Learning Outcomes and Critical Thinking Skills in Primary School

Annisa'ul Mu'affifah, Ketut Prasetyo

The researchers decided to conduct this study since almost all elementary students considered social sciences very difficult in which the subject cannot be memorized easily and boring. One of the learning models which get the students involved in construction-based learning models and cooperative learning...

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Project Based Learning Through Hydroponic Farming to

Students With Hearing Impairment

Asri Wijiastuti Winarno, Sri Joeda Andajani, Endang Purbaningrum, Sujarwanto Sujarwanto, Solikatun Napiah

Students with hearing impairment (HI) have very little access to science concepts and some barrier to communication. Teachers should keep their faces and make sure their lips are in the line of sight of the student with HI. The research aimed was to investigate project-based learning through hydroponic...

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Development of Video Media to Internalize Religious and Morals Values by Using Local Wisdom

Rodhatul Jennah, Siti Masitoh, Mustaji Mustaji

This research aimed to produce a decent and effective video media used in the development of religious and moral values for children in kindergarten with local wisdom approach. It was based on the view that religious and moral values need to embed early in a good and right way. The research design used...

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The Effectiveness Of Communication Of Subordinates To Superiors (Optimizing Gadget)

Widdy Endrayanto, Toho Cholik Mutohir, Soedjarwo Soedjarwo, Mudjito

Mudjito

Communication as a human relational "path" through which principal leadership influenced teacher professional learning. This study was conducted at Petra Christian Vocational High School. The purpose of this study is so that subordinates can communicate effectively with leaders, and that subordinates...

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Factors Influencing Development of Perspective Taking Ability among Late Adolescence

Eko Darminto, Hadi Warsito Wiryosutomo, Retno Tri Hariastuti

The objective of this study was to examine four internal variables which theoretically influenced on the development of late adolescence perspective taking ability (PT), i.e.: cognitive abilities (CA), social motivation (CM), emotional regulation (ER), and interpersonal skills (IS). The samples of the...

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Education Management of Early Childhood Education Programs (Case Study in Ciputra International School)

Nimatur Rohmah, Yatim Riyanto, Moedjiarto Moedjiarto

Early childhood is an early stage associated with growth and development, education provided early on can create qualified Human Resources (HR). Early childhood education will be able to restore future community portraits to face

the challenges of globalization, most of the early childhood that follows...

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Functional Literacy Conceptual Model Oriented to Character Education for Jail Inmates

Misran Rahman

Based on a survey, there are still 10 penitentiary inmates who are illiterate in Gorontalo City Penitentiary, with age 45 – 65 years old. The survey shows that penitentiary inmates who committed a crime, are included those who are illiterate. This means that basically, these people have character issues....

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Principal Competency Correlation, Work Motivation, and Job Satisfaction on Teacher Performance

Sari Nusantara Putri, Yatim Riyanto, Karwanto Karwanto

This study aimed to examine the correlation of 1) principals' competence on teacher performance; 2) work motivation on teacher performance; 3) job satisfaction on teacher performance; and 4) headmaster competence, work motivation, and job satisfaction along with teacher performance. This research used...

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Management of School Operational Assistance at Elementary School of Mojokerto Regency

Ambar Wahyu Kartikasari, Murtadlo Murtadlo, Ismet Basuki

This research is based on postpositivism philosophy which is used to examine the condition of natural object and researcher as the key instrument. The results of this study are: 1) School Operational Assistance Fund is the only source of operational funding of schools coming from the central government,...

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The Role of Principal Leadership to Improve Teacher Performance in Islamic Elementary School

Citra Aulia Uzliva, Yatim Riyanto, Maria Veronika Roesminingsih

The purposes of this study were for 1) the role of principal in an effort to improve school achievement; 2) teacher performance; 3) principal effort to improve school performance. This study used a qualitative approach with a case study design. The results show that 1) the leadership role of the principal...

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CIPP Evaluation Model Framework for Evaluating "Maya

Hasim" Training Program

Fitri Pertiwi, Uyu Wahyudin

Maknai, Hayati, Hafalkan, and Kenali Simbol (Maya Hasim) learning model training program is a training program for early childhood education teachers, so they could improve the comprehension and receptive also expressive language skills of children aged 5-6 years old by enriching their vocabulary in...

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Improving Geometry Volume Calculation Ability through Jigsaw Model

Nuning Rahmawati

Based on the reality, common mistake in the beginning of learning is when students do not have learning goal. Researchers wanted to change the mindset of students so they are more motivated to be actively involved in learning. The JIGSAW Learning Model was considered to be the most appropriate method...

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The Evaluation of Development and Improvement Program of Traditional Art (PPST) on The Junior High School

Atlantis Press

Efie Widjajanti, Muchlas Samani, Toho Cholik Mutohir

Atlantis Press – now part of Springer Nature – is a professional publisher
Indonesia is a country which well-known for its rich culture and traditional
of scientific, technical & medical (STM) proceedings, journals and books.

art. Many Indonesia traditional arts have been known to the world. This cannot be separated from the efforts of the people who are in attempt to preserve them. However, nowadays the traditional art enthusiasts are getting fewer....

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An Integrative Thematic Textbook for Higher Education Based on

MANAGE COOKIES/DO NOT SELL MY INFO

Ga... ...ayitno Suprayitno

This paper aims to present the development of integrative thematic textbook based on ethnic-pedagogic studies. The textbook is created to fulfill the gap between the curriculum in Indonesian elementary schools and the curriculum in Department of Elementary Teacher Education in university. The Indonesian...

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Implementation of Index for Inclusions as Development of Inclusive Education

Triworo Parnoningrum

Surabaya currently has 20 secondary schools as the organizers inclusive education. Junior high school 28 Surabaya is one of the organizers of inclusive education schools in Surabaya. This year serving eight disability students with a variety of special characters including autism, disabled and slow learners....

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The Effect of Discovery Learning Model on Social skills And Students' Learning Outcomes of Mycultivation Theme in Fourth Grade of Elementary School

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Abstract—This study aims to analyze the effect of discovery learning models on social skills and learning outcomes of fourth grade elementary school students . The research is a quasi-experimental research with pre-post test control group design. The dependent variable in this study is the discovery learning model and the independent variables are social skills and student learning outcomes. Subjects in this study were students in grades IVA and IVB SDN Loceret II Nganjuk with a total of 20 students . Data collection techniques in this study used tests (pre-post test), observation, and documentation. Data analysis techniques in this study used descriptive statistical analysis techniques. The calculation on the data analysis was done with the help of the SPSS 17 computer software program. The results showed that the discovery learning model influences the social skills and student learning outcomes in social studies learning. Discovery learning models influence social skills that indicated by t count - 4,459 < t table 1,686. Discovery learning models affect student learning outcomes that indicated by tcount of 2.916> t table 1.686 and sig 2 tailed value of 0.006 <α (0.05). This means that discovery learning models have a significant effect on social skills and social studies learning outcomes.

Keywords—Model Discovery Learning, Social Skills, Learning Outcomes.

I. INTRODUCTION

Currently, the practice of implementing learning in elementary schools uses thematic learning . Kadir (2014) states that in thematic learning students can build a relationship between one experience with another experience or knowledge with other knowledge or between knowledge and experience so as to enable learning to be interesting (p. 7). Through thematic learning, students are required to be active in learning activities. In addition, students are also required to explore their own sources of information both through their everyday environment and from various technologies. Reform in the field of education begins with the development of approaches

or models of learning that will be very useful in the life of the global era. But in reality, there is found the use of conventional models in learning activities in schools. The steps that need to be taken by the teacher is by developing learning models that are able to overcome this reality [1].

According to KTSP (2006), it states that Social Sciences has an important role in developing community life skills and aims to educate students to be individual who think logically and critically, and to be having such curiosity, inquiry, problem solving skill, and skills in social life (p. 575). Along with the development of the age of learning activities in elementary schools, it is necessary to apply innovative learning models . One of the innovations in the application of learning models that need to be done is the Discovery Learning model . Based on observations and initial interviews conducted by researchers, it was found that social studies learning in the classroom still used conventional models that are more tend to teacher-centered. While it is known that many social studies subjects demand students to memorize, resulting on saturation for students. The activity of students during learning is only listening to the explanation from the teacher and recording the things that are considered important. Besides, the material taught has not been linked to the problems that exist around students or not in accordance with the reality of people's lives. Material in social studies learning is expected to provide meaning related to everyday lives as part of community members. The existence of several learning problems will have an impact on the lack of interest and the lack of students' motivation to learn so that learning becomes less meaningful [2] .

Through social studies, students are expected to get knowledge, attitude, skills and sensitivity in facing life with the challenges around them. Furthermore, students are expected to be able to take action rationally in solving the social problems they face. In order to develop awareness and sensitivity about social symptoms and problems, social studies learning will involve the participants and their surroundings. At present, the implementation of basic education must be able

to equip students with knowledge, skills and attitudes (characters). If these three things can be achieved, students will become individuals who have the competence in living in modern times like today. The effort to prepare for this has been implemented through formal and informal education. The nature of this case is in accordance with development model of science and discovery [3].

Discovery learning model is one of the appropriate models in the 2013 curriculum, this model provides an opportunity for students to find their own concepts in learning. Through discovery learning models, students are expected to be independent, critical and having creative attitudes. The discovery learning model directs students to be able to find something through the learning process they carry out. They are not only act as consumers, but are also expected to play an active role, even as actors from the creators of science. Learning discovery model is part of the scientific approach framework. The application of the discovery learning model is carried out in groups so that students' social skills can be improved through the group activities, because students are allowed to work together with the group to solve problems in an investigation activity they do [4] .

The purpose of discovery learning models as teaching and learning models are: (1) the ability to think to be more responsive, careful, and exercise reasoning (critical, analytical, and logical); (2) fostering and developing behaviors of curiousness; (3) develop cognitive, affective, and psychomotor aspects; and (4) developing students' behavior, skills, beliefs in deciding things accurately and objectively. Discovery learning model is another name of the model of the invention. Corresponding with this name, this model directs student to find something they do through a learning process. Students are trained to be a scientist. The discovery learning model is an important component in the constructivist approach that has a long history in the world of education. The idea of discovery learning arises from the desire to give a sense of pleasure to children or students in "finding" something by themselves, and follow the footsteps of scientists . Thus, the discovery learning model is a learning that involves students in the process of mental activities through exchanging opinions, discussing, reading on their own, and trying by themselves. Learning by employing discovery learning models encourage students to think critically and creatively [5].

The role of the teacher is no longer as a supplier of knowledge but the teacher acts more as a motivator, facilitator, and learning manager. In addition, the teacher acts as a mentor by providing opportunities for students to actively learn. Teaching and learning activities take place from teacher oriented to student oriented . In this case, students carry out various activities to gather information, compare, categorize, analyze, integrate, organize materials, and make conclusions as a product of their findings [6].

So it can be concluded that the discovery learning model is a learning model that requires students to be able to find answers through the activities they carry out. Students are

directed to become a scientist to be able to find simple things. Discovery learning can be used by all ages, but the most appropriate is for elementary school children. In the learning process that uses discovery learning, students actively explore and investigate with the teachers' guidance [7].

Skills social is important for student to start and maintain social positive relationship with friend, peer , teacher, or environment. Social skills is part from social competence. So it can be concluded that social skills is a tool consisting of the ability to interact, communicate effectively both verbally and non-verbally, the ability to be able to demonstrate good behavior, and the ability to establish good relationships with others as expected [8].

Learn includes a process that ends on its output and outcome . Output leads on results for student to follow learning activity, whereas outcome leads on change of individual behavior from results of study. The result of learning is accomplishment on indicators that have been planned. Indicators can be in the form of ability, skill, and gesture-controlled student. Ability that has been mastered by student on lesson is marked with their behavioral change corresponding with an indicator that desired to be achieved [9].

Sudjana (2011) states that the results of learning is a capabilities by participants student after obtaining experience from the learning process (p. 22). Thereby, a result of learning is also called as level ability in which participants' student follow lesson for period of certain time. Result of learning is results which ends any value by following the learning process. Learning is categorized succeed if the level knowledge of participants student increase [10].

II. METHOD

Types of research

This research is quantitative. Quantitative research is has something to do with numbers, start from data collection, interpretation to the data, as well as drawing the results. The research is experiment design with *pre-post test control group design*. The experiment research tries to investigate whether there is or no relationship because of the effect comparison between one or more group experiment. It is done by treatment with one or more group comparison which doesn't receive treatment.

Subject and Time of Research

The subjects of this study were students of SDN Loceret II Nganjuk. The sample used in this study were students of class IVA (experimental class) and IVB (control class), each of which consisted of 20 students. The research was carried out + 1 month in the even semester of 2017/2018 school year.

Data collection technique

Data collection is a way that must be done to find and collect information or facts in such a way, so that it is truly the same as reality or in other words called objective. The data presented is truly in accordance with the reality in the field or the data is factual without being reduced or added. Data

collection techniques that were used in this study are the test techniques (pre-post t test), documentation (to investigate the list of names of students who are the subject of research and the IPS scores of students in the previous subject), observation (to observe how students solve social problems given by the teacher during a lesson), interview (using discovery learning).

Operational Definition of Research Variables

Model discovery learning is learning model that governs the teaching so that children acquire the previously unknown knowledge. It is done with learning steps that covers explaining the purpose / preparing students, orienting students on problems, formulating hypotheses, conducting discovery activities, presenting the results of discovery activities, and evaluating discovery activities.

Social skills are the ability of individuals to communicate effectively with others both verbally and nonverbally according to the situation and conditions at the time, where these skills are in term of behavioral learning.

Learning outcomes in this study are interpreted as a change from not knowing to knowing through a learning process that is realized with the level of mastery of a learning material which results are expressed by the results obtained through the test.

Data Analysis Technique

The data to be analyzed in this study were the pre-test and post-test samples. To test the pre-test and post-test it was used t test analysis. From the data collected by the researcher, it will then be arranged in a raw table, then processed in the finished data that has been prepared and analyzed and a conclusion will be drawn. Data analysis techniques used descriptive statistical analysis. In the descriptive analysis it was first to determine the average data obtained. After that, test the validity and reliability of the data in the trial group. If the research instrument has been valid and reliable, research can be done on the control and experiment class. Data obtained from research in early time will then be tested its homogeneity, normality, and independent sample test. Statistical tests in this study were carried out with the help of SPSS 17 computer software program.

III. RESULTS AND DISCUSSION

Result

Based on the results of the validity test that has been done, it shows that all assessment criteria produce a correlation value with a significance of more than 0.4 with a significance level of less than 5%. It can be said that all items about students' social skills are stated as valid. To analyze the data from the test items, the question items on the variables of social skills was analyzed by using SPSS 17 computer software. The reliability test of the instrument was carried out together with the validity test, because validity and reliability can be done in one activity. The reliability test results are as follows:

Table 1
Social Skills Reliability Test Results

Cronbach's Alpha	N of items
0,925	10

The control class using direct learning on average obtains a value which based on the table above, can be concluded that the instrument with a reliability coefficient of 0.925 is said to have a strong or high level of reliability. In a result, the instrument is included in the category of having a high level of reliability.

Based on the data that has been obtained, the results of pret test of students' social skills is 69.25 with a minimum value of 55 and a maximum value of 85. On the posttest results, the student gets a value of 75.75 so that it can be seen that there are some students who have not finished learning. As a result, social skills was marked in the experimental class with an average value of 70.5, while the average value of posttest after treatment given to the learning model of discovery learning is 87.5.

Pretest learning outcomes of students in the control class obtain an average score of 65.5 with a minimum value of 40 and a maximum value of 90. Posttest learning outcomes of students in the control class obtain an average score of 83 with a minimum value of 60 and a maximum score of 95. From the results of the pretest there were 16 students which are complete. After following the learning process, all students are declared complete with the criteria of value according to the minimum completeness standard. The test results of students in the experimental class got an average value of 63.25 (pre-test) while the average value of posttest in student learning outcomes after giving treatment the model of discovery learning is 90.75 in the very high category.

The results of the pretest of social skills was analyzed by independent sample T test obtaining sig 2 tailed at $0.670 > \alpha$ (0.05) with t-count of - 0.430. The next step were consulted with t table for the one-party test where t table is 1.686 (df = 38) so that t-count $<$ t table, meaning that both samples have no significant differences. There is no difference in the average difference in social skills between the experimental variables and the control variables at the pretest. The results of the analysis of students' social skills after being given a treatment are shown by the independent sample T test. Through the test, sig 2 tailed was obtained at $0,000 < \alpha$ (0,05) with t count of - 4,459 then the results were consulted with table for one party test where t table is 1,686 (df = 38) so that t count $<$ t table meaning that the second result shows that there is a difference in the sample. This means that there is a difference in students' social skills in the experimental class by employing learning models of discovery learning with the control class of conventional learning application.

The results of the analysis with independent sample T test obtained sig 2 tailed at $0.573 > \alpha$ (0.05) with T count of 0.568. Furthermore, the results of the count are consulted with

T table for the one-party test where T table is 1.686 (df = 38) so that counts <t table , meaning that there are no significant differences between the two samples. Based on above findings, it can be stated that there is no difference in student learning outcomes in the experimental class and control class at the pretest. The analysis was carried out by independent sample T-test and it was obtained sig 2 tailed at 0.006 <α (0.05) with t count of 2.916. Then t count was consulted with t table for one-party test, where t table is 1.686 (df =38) so that t counts >t table . This means that in both samples, there are significant differences.

Discussion

The average score of students' social skills at pretest in the control class obtained results of 69.25 and in the experimental class the results were 75.75. Based on the results of the t test, the results of the t count were 0.430 and t table was 1.686, so that t count <t table = - 0.430 <1.686. On the results of 2-tailed sig of 0.670> α (0.05) the H 0 is accepted and H a is rejected, so there is no difference average value of social skills between the experimental group and control group during the pretest.

The treatment given to students in learning can be seen in the results on the posttest value. The results of the average posttest value of students' social skills in the control class was 75.75 while in the experimental class, it was 87.50. In the t test results, it is obtained sig 2 tailed at 0,000 <α (0,05) with t count of - 4,459 then the results were consulted with t table for one party test where t table 1,686 (df = 38) so that t count <t table, meaning that the results of the two samples have differences. So it can be said that H_0 is rejected and H_a is accepted. This shows that there are differences in students' social skills in the control class and experimental class. Based on the analysis, it can be concluded that students' social skills by using discovery learning models is higher than the social skills of students who use conventional learning.

The average value of pretest learning outcomes of students in the control class obtained an average value of 65.50 while in the experimental class obtained an average of 63.25. The test results independent sample t test result t <t table is 0,568 <1.686 while sig 2 tailed results 0573> α (0.05) then H 0 is rejected and H a accepted. This shows that there are differences in student learning outcomes in the control class with the experimental class.

The average posttest score of learning outcomes obtained by students in the control class was 83, while in the experimental class was 90.75. The independent sample t test results obtained the t count that equal to 2.916 and 1.686 t table so that t> t table (2.916> 1.686). In the t test the sig 2 tailed was 0.006 with α of 0.05 so that sig <α (0.006 <0.05). Decisions was taken on the results of t test where H_0 is rejected and H_a is accepted.

Based on the hypothesis test results, it indicates that there are significant differences between discovery learning model against social skills and students' learning outcomes.

There are different social skills in the experimental class by implementing the discovery learning model compared to conventional learning. The differences in the students' initial abilities before being treated were not so significant. The provision of treatment or treatment by using a model of discovery learning in the experimental class showed better social skills than the control class which were treated by using conventional learning. Learning outcomes of students with learning model of discovery learning also shows better results compared to student learning outcomes using conventional learning.

IV.CONCLUSION

Based on the discussion on the results of the study it can be concluded that:

1. Learning model of discovery learning has influenced students' social skill. This could seen from the results analysis obtained that t count < t table = - 0.430 <1.686. On 2 tailed sig result amounted to 0.670> α (0, 05) so that there is no difference of average social skill between experiment group with group control at pretest. The treatment given to student on learning could be seen from the results at the posttest that shown sig 2 tailed at 0,000 <α (0, 05) and t count < t table (- 4,459 <1,686). It means that the result of second sample was not significantly different. This shows that there is difference students' social skill on class control and class experiment.

2. Learning model of discovery learning takes effect to results on student learning. This could be seen from results analysis that was obtained from T test that T count < t table where 0.568 <1.686 while the result of sig 2 tailed is 0.573> α (0, 05). This shows that there is a difference result of class control with class experiment. T-test was obtained that t count amounting to 2,916 and t table amounting to 1.686 so t count > t table (2.916> 1.686). On t-test, it was obtained sig 2 tailed by 0.006 with α equal to 0 , 05 , so that sig < α (0.006 <0.05). This shows that there is difference result on class control and class experiment. It is then could be concluded that student have good learning results with discovery learning models.

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