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The 2019 5th International Conference on Education and Technology (ICET 2019), held at 3-5 October at Kota Batu, Jawa Timur, Indonesia, is organized by Faculty of Education, Universities Negeri Malang supported by its partners which is to be held in Malang, East Java, Indonesia. In general, the 2019 5th ICET is presented in series for increasing quality and management associated with previous events for 2015 1st International Conference in Education and Training (ICET), 2016 2nd International Conference in Education and Training (ICET), 2017 3rd International Conference in Education and Training (ICET),

2018 4th International Conference on Education and Technology (ICET) has been recorded in IEEE with ID Number is 45021 for the Technical Co-Sponsor.

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

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Education, as the foundation of a nation, needs to be improved on an on-going basis. Various steps have been taken to achieve a better quality of education that can align with developed countries around the world. Improving the process of education, research development, expansion of community service, the improvement of scientific activities, including scientific conferences, are the efforts to improve the quality of education.

This 5th International Conference on Education and Technology (ICET 2019) is one step in disseminating knowledge that is set at a scientific meeting in the field of education. The conference provides a channel for educational researchers and practitioners to share knowledge in order to improve the

quality of education. In 2019, this conference is part of the main activity program of FIP JIP (Forum of Faculty of Education and Department of Education) 2019 that organized by Faculty of Education Universitas Negeri Malang (UM) in collaboration with faculty of education from 12 state universities producing educational staff in Indonesia. Faculty of Education UM feels honored to be a host of this prestigious conference.

The theme of the conference is “Reorientation of Education in the Era of Industrial Revolution 4.0 in Nation Development”, with featured keynote speakers from various countries including USA, Finland, Taiwan, Malaysia, and Indonesia. The purpose of this conference is to share our ideas and strategies to improve education system in era of industrial revolution 4.0. The conference also facilitates the lecturers, principals, supervisors, teachers, students, or all who have attention to education to express and share their ideas through writing and presenting articles of the conference about how to improve the quality of education in the era of technology development.

On behalf of the faculty of Education UM, we thank you for the cooperation that has been given at this conference. In addition, we appreciate all the audience and participants, specially the deans, vice deans, head of departments, secretary of departments, head of study programs, the keynote speakers, the chairman of the event, the committee and the crews, the reviewers, and all the rest that I cannot mention one by one who highly participated in the conference.

Hopefully, this conference is useful for all, especially to solve the problems and develop the education system in line with the development of technology in industry revolution of 4.0. In addition, we hope this conference can contribute to improving the quality of education in particular and global.

May Allah SWT bless all our efforts to support this conference successfully.

On behalf of the Organizing Committee

Dean of Faculty of Education
State University of Malang
Prof. Dr. Bambang Budi Wiyono, M.Pd

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Improving the Capability of Prospective Primary School Teachers in Making Science-Based Science Teaching

Materials Based on ICT Media Assisted Literacy

Jajang Jajang Bayu Kelana, Jajang Bayu Kelana, D. Fadly Pratama

In general, this study aims to improve the ability of prospective elementary school teachers to make science teaching materials based on ICT literacy based on ICT media. Specifically, to develop the ability of prospective elementary school teachers to make teaching materials based on scientific literacy....

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Teacher Function in Class: A Literature Review

Abida Abida Ferindistika Putri, Abida Ferindistika Putri, Hana Andriningrum, Siti Khusnul Rofiah, Imam Gunawan

In order to increase the role of the teacher in the teaching-learning process and student learning outcomes, the teacher is expected to be able to create an effective learning environment and be able to manage the classroom. Because class is a learning environment and is an aspect of the school environment...

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Informal Supervision Model "Managing by Walking About" in Improving Quality of Learning

Ahmad Ahmad Nurabadi, Ahmad Nurabadi, Sucipto Sucipto, Imam Gunawan

The principal must know all the teachers well, all the students, all parents of students, and the school community. To get to know all parties and their

working environment, the principal must have an open door policy and managing by walking about (MBWA), namely managing by blusukan or also known as...

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Standards of Competency of Head of School Beginners as Leaders in Learning Innovation

Ibrahim Ibrahim Bafadal, Ibrahim Bafadal, Ahmad Yusuf Sobri, Ahmad Nurabadi, Imam Gunawan

This study aims to describe the personal, social, and professional competencies that a novice must possess in order to effectively begin his performance as an innovative learning leader. This research was conducted with a quantitative. The targets of this study were 10 principals in metropolitan cities,...

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The Implementation of Zapira Portable by Maximizing the Potential Source in Rural Area

Ika Ika Febriana Wati, Ika Febriana Wati, Eka Ajeng Fabela, Yunita Miftahul Jannah, Yuniawatika Yuniawatika

The electrification ratio in Indonesia reached 98.3%. Power plant technology innovations are needed, is it can be applied in rural areas with more environmentally friendly energy sources. One of them is rainwater. This is supported by the average rainfall in Indonesia which is quite high, which is

1000-4000...

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Develop Educational Leadership by Applying Values and Ethics to Strengthen Student Character

Imam Imam Gunawan, Imam Gunawan

The role of the school principal cannot be ignored in the character building, because the principal has a role to foster professional teachers and students' character. Values and ethical leadership shown by principal become the critical success of character education programs in schools. If you want...

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Proceedings Article

The Principal's Conflict Management Strategy Through Increased Community Participation in the Era of Industrial Revolution 4.0

Nova Nova Syafira Ariyanti, Nova Syafira Ariyanti, Mustiningsih
Mustiningsih, Imron Arifin

The purpose of this research is to describe the conflicts faced by the school through increased community participation. The study used a qualitative approach, with a multisite research plan. The research site is at SDN Tunjungsekar 5 and SDN Ketawanggede. Data collection techniques with in-depth interviews,...

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Analysis of Pancasila Values on Narrative Composition Material in Primary Schools

Ratih Ratih Asmarani, Ratih Asmarani, Murtiningsih Murtiningsih, Imam Nawawi

Intention of this research, that is to know: (1) the infinite value in composition of narasi student; (2) human value in composition of narasi student; (3) association value in composition of narasi student; (4) nationality value in composition of narasi student; and (5) justice value in composition...

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Development of Peer Counselor Training Manual at State University of Malang

Siti Siti Nur Laila, Siti Nur Laila, Elia Flurentin, Irene Maya Simon

This research aims to develop a peer counselor training manual at State University of Malang. The researchers employ a research and development method in this research. The subjects of the product tryout were a guidance and counseling (BK) expert; a media expert; and a counselor of Guidance and Counseling...

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Analysis of Learning Outcomes in Different Cognitive Abilities of Students Using Electronic Games

Susilaningsih Susilaningsih, Henry Praherdhiono, Putri Darawati Maharani

Electronic games in learning help teachers to easily convey material and create learning conditions that are not monotonous. Also, the aim is to improve student learning outcomes. With conditions of different cognitive abilities, are the effects of learning outcomes the same? The purpose of this research...

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Developing E-Comic to Internalize Manners for Junior High School Students

Yuliana Yuliana Rasyid, Yuliana Rasyid, Arbin Janu Setiyowati, Elia Flurentin

This study aims to develop e-comics as a media to internalize the concept of manners for junior high school students who meet the criteria of accuracy, usefulness, convenience, and attractiveness. This research method was adapted from the Borg and Gall (1983) procedural Research and Development (R&D)...

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Role of Peers in Case of Self Suicide Peer Counseling: Youth Self Awareness to Suicide Cases

Zulfianti Zulfianti Rosyida Zahro, Zulfianti Rosyida Zahro, Chindy Ika Setyo

Pratiwi, Hana Andriningrum, Nandy Wahyu Nur Setya

Suicide constitutes 1.4% of the causes of all deaths worldwide and continues to increase every year. Anxiety about the absence of life guarantees can lead to stressful behaviors that can trigger suicidal behavior. The majority of suicides are teenagers. Peer counselors can help in dealing with adolescent...

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Contribution of Implementation of School Based Management on the Values of Local Interests of Tri Hita Karana and Leadership of School Head Service on Performance Teacher

Anak Anak Agung Gede Agung, Anak Agung Gede Agung, Luh Putu Sri Utami

The purpose of this study was to determine the contribution of school management implementation based on the values of local wisdom Tri Hita Karana (THK) and service leadership on the performance of junior high school teachers in Gerokgak Buleleng Subdistrict. This research is ex-post facto. This study...

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Development of Self-Exhibition Through Cognitive-Behavioral Counseling Models with Self-Management Strategies

Gede Gede Nugraha Sudarsana, Gede Nugraha Sudarsana, Ni Ketut Suarni, Ulan Sari

This study aims to determine the effectiveness of cognitive-behavioral

counseling models with self-management strategies to develop a self-exhibition of state junior high-school students in Singaraja City. This type of research is a quasi-experimental research design with Nonequivalent Post-test Control...

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Cognitive Counseling with Reframing Techniques to Intervene in Self Aggression

I Ketut I Ketut Dharsana, I Ketut Dharsana, Gede Nugraha Sudarsana, Ni Ketut Suarni, Wayan Eka Paramartha, I Wayan Tirka, Kadek Satya Gita Rismawan

This study aims to determine the effectiveness of cognitive counseling with reframing techniques to intervene in self-aggression. The experimental design used was Pretest Post-test Control Group Design. The sample of this study was high-school students in Singaraja City who were taken randomly by 50...

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Investigating The Mathematical Literacy of Primary School Students in Curriculum 2013

Komang Komang Sujendra Diputra, Komang Sujendra Diputra, I Made Suarjana, I Gusti Ngurah Japa

This research was based on the results of the PISA (Program for International Student Assessment) publication which showed the mathematics literacy of Indonesian students was still below the average set by PISA. The curriculum

2013 was implemented to follow up on the PISA report which based on identification...

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Learning Models Survey, Question, Read, Reflect, Recite, Review Assisted Reading Children's Literature Improves Reading Ability of Interpretative Understanding of Class IV Elementary School Students

MG Rini MG Rini Kristiantari, MG Rini Kristiantari

This study aims to study the interaction of the Survey model, Questions, Read, Reflect, Recite, Review assisted reading of children's literature on the interpretive reading ability of grade IV elementary school students. This type of research is quasi-experimental with a nonequivalent control group design....

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Psychological Data Information Specialization Services in Increasing Student's Self Understanding

Ni Ni Ketut Suarni, Ni Ketut Suarni, I Ketut Dharsana, Gede Nugraha Sudarsana

This study aims to determine the effect of psychological data-based specialization information services in increasing student's self-understanding of the choice of majors through Lesson Study for Public Middle

School students in Singaraja City. This type of research is an experimental study with the...

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The Analysis of Children's Spatial Ability

Putu Putu Aditya Antara, Putu Aditya Antara

The aims of this research were to obtain empirical information from experiment on the effect of the method of creative games and art talents to the spatial abilities of children. This research was conducted toward children who study in group B of kindergarten at Blahbatuh, Gianyar, Bali Province, Indonesia....

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The Use of Modified Index Card Match to Enhance Social Interaction of Children with Intellectual Disability

Endang Endang Pudjiasuti Sartinah, Endang Pudjiasuti Sartinah, Flaviana Cindy Setyowati

This study aims to examine the effect of using the modified index card on the social interaction of children with intellectual disability. This study used a pre-experimental research of one-group pre-test post-test. The number of subjects in this study were 6 children with intellectual disability. The...

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Children Motor Development with Authoritarian Parenting During the Industrial Revolution Era 4.0

Gunarti Gunarti Dwi Lestari, Gunarti Dwi Lestari, Kartika Rinakit Adhe, Muchamad Arif Al Ardha

Motor development is not an issue on the impact of parenting problems. Survey research has the aim to determine the development of children's movements in the industrial revolution era 4.0 with authoritarian parenting. This research method is to use a type of quantitative research with survey methods....

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The Evaluation of Paket C Program in Improving the Learning Quality of Learning Citizens at Sanggar Kegiatan Belajar Cerme Gresik

I Ketut I Ketut Atmadja Johnny Artha, I Ketut Atmadja Johnny Artha, Indrawati Theresia, Widodo Widodo, Mustakim Mustakim

Digital era education becomes a challenge for citizens learning Paket C. Along with the progress of the times the improvement in the quality of education is directly proportional to the competencies of learning citizens. The Paket C program is a program in the non-formal education pathway that is organized...

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The Effect of Show and Tell Method on Children's Confidence

Mallevi Mallevi Agustin Ningrum, Mallevi Agustin Ningrum, Muhammad Reza, Eka Cahya Maulidiyah

This study aims to determine the effect of show and tell method on self-confidence for students aged 4-5 years. This quantitative research uses Pre-Experimental Design with One Group Pre-Test Post-Test. The subjects were 25 children aged 4-5 years. Data were collected using observation along with its...

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Implementation of Literacy Programs in Basic High School Class

Maryam Maryam Isnaini Damayanti, Maryam Isnaini Damayanti, Wahyu Sukartiningsih, Endang Darmawati

Literacy programs develop the language skills of high-class students, especially reading and writing skills. For this reason, good understanding and the optimal role of all elements are needed so that the program can be further developed in a variety of meaningful activities. This study aims to describe...

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Use of the Mini Book to Improve Expository Writing Skills of V Class Student of SDN Wonokusumo 1 Surabaya, Indonesia

Masengut Masengut Sukidi, Masengut Sukidi, Mohammad Husni Abdullah

To be able to convey and access information well, a person is required to have the ability to read and write. Reality in the field, which in this case in elementary schools shows conditions that are still far from reading habits to write. The habit carried out by the teacher, is to ask students to read...

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Picture Based Problem Learning in Improving Children's Communication Skills

Kamtini Kamtini, Damaiwaty Ray, Salsabila Hasiana Tanjung

The ability to communicate is one of the skills children have as individuals who live in the 4.0 era. The research aims to examine the implementation of learning by using pictures that have problems to improve communication

skills in children. 70 children participated in this study. The study was conducted...

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Development of Three Dimensional Media for Mentally Retarded Children

Mustaji Mustaji, Citra Fitri Kholidya, Devi Febryan

This study aims to produce three-dimensional media for number and color abilities for mentally retarded elementary school children at special school Tunas Kasih Surabaya. Three dimensionals media to help mentally retarded children recognize numbers and colors. This is based on the research background...

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The Application of Text Structure Mapping Strategy to Improve Speaking Skills for Student Class Fifth SDN Babatan 4 Surabaya

Sri Sri Hariani, Sri Hariani, Asri Susetyo Rukmi

Learning Indonesian is aimed to increase the ability of learners to communicate using the Indonesian language properly and correctly, both orally and in writing (Ministry of Education, 2006:317). But the reality on the ground indicate that elementary school students' skills in communicating using the...

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Cost Analysis in the Community-Based School Transportation Service

Syunu Syunu Trihantoyo, Syunu Trihantoyo, Mohammad Sholeh, Enis Setyowati

This study aims to analyze the magnitude of the costs and factors that influence the implementation of community-based school transportation services. Implementation of school transportation services as simple mass transportation as an effort to reduce congestion on the highway. The research method uses...

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English Language Communication in PGSD Through the TPR Method

Ulhaq Ulhaq Zuhdi, Ulhaq Zuhdi, Mintohari Mintohari

This article aims to describe how the TPR method can introduce English to the Primary Teachers Education (PGSD) students or Primary Teacher candidate. In this research is focused on communication skill or speaking. On other words, students concentrate on listening and speaking skills in learning English....

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Outbound Program Based Local Wisdom for Students in Pesantren Schools

Wiwin Wiwin Yulianingsih, Wiwin Yulianingsih, Najlatun Naqiyah, Nunuk Hariyati, Sayyidah Ulul Nabilah

The purpose of this community service is to improve the understanding of elementary school teachers in SAQO Islamic Boarding School Kraksaan Probolinggo about child development by providing stimulus to support the optimization of child development. The outbound kids training method was carried out with...

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A Financial Management Application Approach towards "Industry 4.0 Revolutionary Era" in Islamic Boarding High School of Insan Cendekia Gorontalo

Sitti Sitti Roskina Mas, Sitti Roskina Mas, Muhammad A. Sahada, Arwildayanto Arwildayanto

This research aimed to describe (1) the system flow of the financial management applications in Islamic Boarding High School of Insan Cendekia Gorontalo, (2) the benefits of using the applications for the school, and (3) the implications of using the applications. The approach used in this research...

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The Role of Guidance and Counseling in Millennial Generation Character Building

Wenny Wenny Hulukati, Wenny Hulukati, Maryam Rahim

Character building for millennial generation is increasingly essential; particularly, in order to maintain the existence of the Indonesian generation as a generation that still based on the character Indonesian values as crystallized in Pancasila (the Indonesian philosophy). Guidance and counseling services...

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Integrated Library Information System in Managing School Library in the Industrial Revolution Era 4.0

Arifin Arifin Sukung, Arifin Sukung, Nelpiyanti Hulopi, Ikhfan Haris

This study aims to find out: the use of IBRA v.6 applications on the transaction system, print library systems, member systems, OPAC systems, and report systems in school libraries, the method used is quantitative. Techniques for collecting data using questionnaires, interviews, and documentation. The...

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Management of Teachers' Emotional Intelligence in the Industrial Revolution 4.0 Era

Arifin Arifin

This article discusses teachers' emotional intelligence management in

realization of schools with characters and in preparing themselves to face the Industrial Revolution 4.0. The current study was designed as a phenomenology study. The subject of the study consisted of a group of principals and teachers....

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Professional Monitoring in Achieving Teacher's Quality Learning in Industrial Revolution 4.0

Besse Besse Marhawati, Besse Marhawati, Ansar Ansar

This article discusses professional monitoring in achieving teachers' quality learning in industrial revolution 4.0. A teacher is a critical point in education quality improvement. Therefore, teacher should achieve professional monitoring and guidance. Professional monitoring includes professional assistance...

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Student's Self-Confidence and Their Learning Achievement on Elementary Schools

Gamar Gamar Abdullah, Gamar Abdullah, Isnanto Isnanto, Ni Putu Yuni Vidiyanti

Self-confidence is a very important aspect for someone to be able to develop their potential. If students have good self-confidence, then students can develop their potential well. The purpose of this study is to determine the correlation between student's self-confidence and the learning achievement...

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Increasing Student's Ability to Make A Creation in Learning Process of SBK (Art, Culture, and Skill) Subject

Haris Haris Mahmud, Haris Mahmud, Cristina Saidi

This research is intended to describe the application of STAD model in Art, Culture and Skill subject (SBK subject) at grade V students, SDN 1 Dulupi, Boalemo Regency. This research employed a qualitative descriptive method. The result indicates that there are 23 students out of 28 are successful by...

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The Effect of Prior Knowledge on Students' Learning Outcomes on the Subject of Basic Science Concepts

Irvin Irvin Novita Arifin, Irvin Novita Arifin

This study aims to determine the direct effect of prior knowledge on students' learning outcomes in subject of basic science concepts in the Primary Education Department of the Faculty of Education, Gorontalo State University. This study used a survey method, and the techniques of data collection were...

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Community Empowerment in Business Learning Group Program in Community Learning Center

Misran Misran Rahman, Misran Rahman

The Business Learning Group Program (KBU) is one of the non-formal education programs that is expected to improve community welfare while reducing poverty. Basically, business learning groups focus on skill education and business training for low-educated and poor citizens. In the village of Lauwonu...

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An Analysis of Factors Causing Homosexual Behavior Deviation Reviewed from Students' Perception at Faculty of Education, State University of Gorontalo

Murhima Murhima A Kau, Murhima A Kau

The research objective was to analyze factors causing homosexual behavior deviation reviewed from a perception of students in the class of 2015/2016 at the Faculty of Education, State University of Gorontalo. This was quantitative descriptive research which involved 50 students at the Faculty of Education,...

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The Use of Basic Data of Education (DAPODIK) in the Implementation of School Administration: A Study in Elementary Schools in Bilato, Gorontalo, Indonesia

Novianty Novianty Djafri, Novianty Djafri, Fory Armin Naway, Abdul Kadir Mauna

The objective of this research is to explore the use of Basic data Education (henceforth will be referred to as DAPODIK) in the administration of (1) facilities and infrastructure, (2) students, (3) teachers, and (4) learning outcomes in all public elementary schools in Bilato sub-district, Gorontalo...

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The Influence of Teams-Games-Tournament on Short Stories Learning Outcomes of Grade IV Students: A Study at Elementary School SDN 4 Kabila

Rusmin Rusmin Husain, Rusmin Husain, Juliana Dj

The objective of this study was to find out the influence of team games tournament (TGT) on short stories learning outcomes of grade IV students; it was conducted in elementary school SDN 4 Kabila, Bone Bolango Regency. This quantitative (experimental) research employed a one-group pretest-posttest design....

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Improving Social Skills of Early Childhood Through Modern Games

Setiyo Setiyo Utoyo, Setiyo Utoyo

The purpose of this research is to improve the social skills of early childhood

through modern games. The subjects of this research were children of Group B TK Damhil Gorontalo. The study was conducted from October to December 2018. The method used in this study is classroom action research. The procedure...

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The Strategy of Teachers in Developing Curriculum for Learning Process in Facing Challenges in Era of Industrial Revolution 4.0

Warni Warni Tune Sumar, Warni Tune Sumar, Nina Lamatenggo

The role of professional teachers in the learning is vital as students' key to successful learning and creating qualified graduates. Professional teachers are competent teachers in building and developing good and effective learning process to be able to create intelligent students and qualified education....

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The Effect Instructional Approach and Authentic Assessment Toward an Achievement in Mathematics

Agnes Agnes M. Goni, Agnes M. Goni

The objective of the research is to figure out the effect of instructional approach, and assessment authentic toward students' achievement in mathematics after controlling students' previous ability. The method used in this research is experimental method with 2x2 factorial design. The samples

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Pool Therapy to Reduce Aggressive Behavior of Autistic Children

Aldjon Aldjon Nixon Dapa, Aldjon Nixon Dapa, Henny B.A Kiriweno

The purpose of this study is to get an overview and the extent to which the effectiveness of the application of pool therapy methods in reducing aggressive behavior in children with autism. This study uses experiments in the form of Single Subject Research (SSR), with A-B-A research design research subjects...

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Implementation of the Make A Match Learning Model to Improve Student Learning Outcomes

Bobby Bobby A. Lompoliu, Bobby A. Lompoliu

The purpose of this study was to improve social studies learning outcomes through the application of the Make A Match learning model in class V of SD Catholic 04 Brother Don Bosco Tomohon and this research was carried out in the form of classroom action research developed by Kemmis and Taggart with a...

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The Influence of Social Guidance Services to Consumptive Behavior of Junior High Students

Hans Hans Pontororing, Hans Pontororing

Consumptive behavior is behavior that is no longer based on rational considerations, but rather because of desires that have reached irrational levels again. Consumptive behavior is the human tendency to consume unlimited. Based on the observations of researchers at Brother Don Bosco Tomohon Junior High...

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The Effect of Caring Environment and Nutritional Status on

Psychomotor Development of Children Under Three Years Old

Hasnawaty Hasnawaty Paputungan, Hasnawaty Paputungan

The objective this research is to obtain information concerning the effects of caring environment and nutritional status on psychomotor development of children under three years old. The research was conducted at sub-District Lolayan in North Sulawesi, Indonesia. The sample is 120 children and the data...

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Proceedings Article

Application of Role-Playing Methods to Improve Learning Outcome of Learning Indonesian in Class V Students Primary School

Hetty Hetty J. Tumurang, Hetty J. Tumurang

The purpose of this study is to improve role playing about drama in Indonesian language subjects for Imanuel Karatung Christian elementary school students. The number of students is 18 children, consisting of 11 male students and 7 female students, this research is classroom action research (PTK). PTK...

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Learning Model of Picture Symbols in Improving Language Skills in Early Children

Jenny Jenny I Dengah, Jenny I Dengah

This study aims to describe the method of symbol symbols in improving language skills listening to early childhood. The research method used is the action research method, by carrying out two cycles. with media images show an increase in children's learning outcomes in each cycle, both in cycle I and...

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Application of Instructional Model Problem Solving to Increase Social Studies Learning Outcomes Students Elementary School

Katrina Katrina Siwi, Katrina Siwi

This study focused on the study of the ability of teachers in preparing learning plans, implementing learning, student activities and student learning outcomes using problem solving methods . The method used is Class Action Research, which is a form of reflective research conducted by researchers,...

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Number Head Together Model in Social Learning

Marien Marien Pinontoan, Marien Pinontoan

The purpose of this study was to find out how the application of the Numbered Heads Together learning model in grade IV Elementary School on social issues in social studies learning. This research method uses classroom action research proposed by Kemmis and Taggart, which consists of four stages, namely...

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Meaning of Happiness of Parents Who Have Children with Cerebral Palsy

Meisie Meisie Mangantes, Meisie Mangantes

The purpose of this research is to describe the happiness of parents who have cerebral palsy children in Southeast Minahasa viewed from three aspects, namely acceptance, affection, achievement. This research uses a qualitative case study method. The subjects in this study were two people. The method...

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Scaffolding Model in Learning of Writing of Essays, Based on Experience

Mersty Mersty Rindengan, Mersty Rindengan

The purpose of this study was to determine the effect of the scaffolding learning model on the learning outcome of writing essays based on experience. This study used an experimental research method with a pretest-posttest control group design. The dependent variable is essay writing skills based on...

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Inquiry Learning Model to Improve Student Learning Outcomes

Mieke Mieke Farny Tiwow, Mieke Farny Tiwow

This study aims to find out how to improve student learning outcomes through inquiry learning models in PAUD children. This research is a classroom action research (CAR), with the subjects in this study were kindergarten children totaling 30 people. Sources of data obtained from the results of tests,...

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Relationship of Leadership Style and Achievement Motivation to Productivity of Training and Education Participants in North Sulawesi, Indonesia

Mozes Mozes M. Wullur, Mozes M. Wullur

This institutional research aim at to analyze and describe the relationship between leadership style with productivity; motivational achievement with productivity; and leadership style and motivational achievement simultaneously with productivity of the participants in training and education of Community...

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Constructivism Approach in Science Learning

Roos Roos M. S. Tuerah, Roos M. S. Tuerah

The aims of this study were to determine the effect of the constructivist approach to science learning of material human respiration. This study uses the Classroom Research method with stages: planning, implementation, observation, and reflection. The Subjects of the Research were fifth grade students...

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Utilizing Image Media to Develop Early Language Capabilities in Children

Thresje Thresje Tolukun, Thresje Tolukun

The purpose of this research is to Utilize Image Media to Develop Language Skills in Kindergarten Permata Bunda Manado Kindergarten. Media are all items used in teaching and learning activities so that they can stimulate smoothly, orderly, and efficiently so that the goals of early childhood education...

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Development of Early Young Adults that have Autistic Characteristics

Tiersa Tiersa Undap, Tiersa Undap

The purpose of this study is to describe how the handling of parents of children with autism is seen from the attention of parents, knowledge of parents and assignments from parents to children. This study uses a qualitative phenomenological research method by looking at and observing

the handling of...

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Indonesian University Management in 21st Century (Issues And Challenges)

Zoya Zoya Febrina Sumampow, Zoya Febrina Sumampow, Widdy Rorimpandey

Entering a decade of the 21st century, after the Reformation, it turned out that most of the information media contained news of violence, robbery, corruption, collusion and nepotism, oppression, extortion, rape, infidelity, human rights violations, and other irregularities. Responding to this news,...

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The Effect of Organizational Culture in School Councillor's Motivation In State Senior High School Of Medan

Edidon Edidon Hutasuhut, Edidon Hutasuhut

School councilors need to have a high motivation, up to date and hands on references materials to deliver a better counselling. The purposes of this research are to investigate whether 1) School counsellor's motivation was higher through using organizational culture. 2) There is interaction organizational...

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Community Participation within the Implementation of the Senior High School Equality Education Program in PKBM Cahaya

Elizon Elizon Nainggolan, Elizon Nainggolan, Sani Susanti, Martini Dornauli Silitonga, Mahfuzi Irwan

The problem in this study was that community participation in the implementation of the senior high school equality education program in PKBM Cahaya has not been optimal, how is the form of community participation in the implementation of the equality education program. This type of research used in...

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The Utilization of Tailoring Women's Clothing Technology as an Effort to Empower immoral Women

Sudirman Sudirman, Friska Indria Nora Harahap, Fauzi Kurniawan, Jhon Giatna Saragih

This study aims to analyze in detail the description of empowerment of prostitute women through the use of sewing technology for women's clothing as an effort to empower prostitute women in UPT immoral Women's Social Services Berastagi. This study uses a qualitative approach, using in-depth interviews...

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Policies for Implementing Internship Study 1 and 2 in Improving Student Achievement Index in FIP UNIMED

Yasaratodo Yasaratodo Wau, Yasaratodo Wau, Rahmatsyah Rahmatsyah, Tri Andri Hutapea

This study examines the problem on: (1) how's the impact of the policies on the implementation of Internship studies 1 and 2 programs in UNIMED (2) how to Increase the UNIMED Student's Learning Achievement Index. This study population consists all 2016/2017 academic year students who had conducted Internship...

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The Identification of Implementation of Central Learning

Models

Hendra Hendra Sofyan, Hendra Sofyan, Nyimas Muazzomi, Novi Lestari

This study aims to describe the implementation of the learning center model in Kindergarten, Sungai Gelam District, Muaro Jambi District. This type of research is descriptive through quantitative and qualitative approaches. Based on the results of research on the implementation of the learning center...

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The Correlation Between Work Environment and Work Motivation with Job Satisfaction

Mohamad Mohamad Muspawi, Mohamad Muspawi, Ruita Mudlikawati

This research aims at knowing the relation of work environment and work motivation with job satisfaction in Jambi Provincial Library and Archives Office. The researcher for this research used quantitative method in which the collected data is represented in variables X1, X2, and Y using questionnaire....

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Model Guidance and Counseling by Using Role Playing Technique to Improve Students' Leadership Character

Ahmad Ahmad Rifqy Ash-Shiddiqy, Ahmad Rifqy Ash-Shiddiqy, Herdi Herdi, Wirda Hanim, Dimas Kurnia Robby

This research is grounded by the phenomenon of the lack of respect, self-appreciation, carefulness, and leadership on other people, amongst young

generation, especially teenagers and young adults. This research aims to obtain a guidance and counseling program by using role playing technique to improve...

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Internal Factors of Statistical Learning Outcomes

Badrujaman Badrujaman A, Badrujaman A, Wening Cahyawulan

Statistics Courses in higher education Known as compulsory subjects that students do not like. This research aims to identify internal factors of student were affected learning outcomes of statistics courses at education faculty, Jakarta state University. The population of this research are students...

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Assessment Models in Early Childhood Based on Android to Increase Competency of Pedagogic Teachers of Kindergarten

Sofiah Sofiah Hartati, Sofiah Hartati, Hikmah Hikmah, Niken Pratiwi

Assessment activities are important in the learning process in kindergarten. The results of the preliminary study were mostly carried out manually and limited to certain assessment techniques. This study seeks to draft a technology application for assessment in kindergarten. The purpose of this study...

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Evaluating the Outcome of Structured Teaching Intervention for Children with Autism

Suprihatin Suprihatin, Indina Tarjiah

This article is an evaluation of the structured teaching outcome, as the core feature of TEACCH, an intervention program specially intended for children with autism. The main components of structured teaching are organization of physical environment, visual schedules, work/activity systems and task organization/visually...

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Strategy for Decreasing the Rate of Stunting Through Early

Childhood Health and Nutrition Training for Tutors/Parents of Early Childhood Education

Yenina Yenina Akmal, Yenina Akmal, Ika Subekti, Hikmah Hikmah, Ichtineza Halida Hardono

The health sector, with various problems, namely stunting, infectious diseases, non-communicable diseases, and others, is still a priority that continues to be improved in Indonesia. The rate of stunting or failure to thrive in Indonesia is at 30.8%, which is above the WHO recommendation (20%). In 2017,...

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The Development of Da'wah Based Islamic Guidance and Counseling Textbook and its Impact in Preventing and Resolving the Deviance of Students with Special Needs in Makassar

Abdul Abdul Hadis, Abdul Hadis, Nurhayati B

The crime rate in Indonesian big cities in general and particularly in Makassar increased every year (TVRI, Berita Malam, 2017). The increasing crime rate was triggered by the increasing rate of drugs distribution, trafficking, and users in Indonesia which endangered the safety and quality of Indonesian...

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Internship Program as an Effort to Development Students Competence

Sri Sri Wahyuni, Sri Wahyuni

The research objectives are to analyze student competencies after doing an internship at Community Learning Center. The research methodology used is qualitative research with descriptive methods. Research subjects were students, supervisors, and managers of the Community Learning Center (CLC). Data...

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Community Empowerment as an Effort to Preserve Batik with an Ecological Approach in Indonesia

Abdul Abdul Malik, Abdul Malik, Ghanis Putra Widhanarto

The emergence of conservative trends in the environmental field has encouraged batik artisans and entrepreneurs to play an active role in increasing the level of conservation in their environment. Through ecobatics which has become a trend in developed countries, encouraging the use of ecobatic methods...

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Reducing the Intensity of Students Bullying Toward Children with Special Needs Using Puppet Show

Andromeda Andromeda, Aiza Fitri Hardianti

Bullying does not only occur in general schools, but also in inclusive schools and the victims are children with special needs. One of the factors is the lack of students' knowledge about children with special needs, causing misperceptions of special need children's behavior. This study aims to determine...

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Cultural Heritage to Build History for Life in Social Science Learning at Primary Schools

Arini Arini Estiastuti, Arini Estiastuti, Atip Nurharini, Kurniana Bektiningsih, Munisah Munisah

Strengthening cultural heritage can be conducted by recognizing and empowering the heritage to keep implementing the values and philosophical meanings of culture in human life. To maintain, preserve, and develop cultural heritage, the solution can be done is by reviewing and analyzing cultural heritage...

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Competence of Guidance and Counseling Teachers (counselors) of junior and senior high schools in Semarang Regency and Semarang City

Awalya Awalya, Weni Anggraini, Susilawati Susilawati, Imam Setyo Nugroho

The development of technology and information in the modern era has had a major impact on the world of education. The challenges of educators in the

future, especially guidance and counseling teachers such as drugs, pornography and others. Therefore, a guidance and counseling teacher in the modern era...

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A Learning Model of Group Discussion Accompaniment of Presentation Task in the Classroom

Bagus Bagus Kisworo, Bagus Kisworo, Yudi Siswanto

This research was based on students' problems in presenting the results of learning material discussion in the classroom, this study was aimed to formulate a way to present the results of their discussions in front of the class as well. The research method used was Research and Development method (R&D)....

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Implementation of Project-Based Learning Methods to Increase Students' Creativity

Desi Desi Wulandari, Desi Wulandari

Waste management is the responsibility of all elements in society, as well as prospective university students for primary school teachers. This research aims to: describe the process of developing PjBL model to grow the creative character as prospective university students for primary school teachers...

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Contributing Spirituality Account for Teacher Motivation at School

Edy Edy Purwanto, Edy Purwanto, Anwar Sutoyo

This study aims to obtain empirical data about the contribution of intrinsic, utility, and task spiritual values as the teachers towards the teachers' achievement motivation. The subjects of this study are 115 teachers, consisting of 71 women and 44 men, and all subjects are Muslim, having faith in the...

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Develop A Love Culture Through Extracurricular Karawitan in SDN Slawi Kulon 1 Tegal Regency, Indonesia

Eka Eka Titi Andaryani, Eka Titi Andaryani, Fakhrudin Fakhrudin, Indriana Eko Armidi

One of the values of cultural love planting can be through extracurricular activities Karawitan Java. The purpose of this research is to know the role of extracurricular activities for engraft Java value Karawitan love culture on students in SDN 01 Slawi Kulon. This research used the qualitative approach...

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Social Intelligence Contribution in Perspective Learning Outcomes of Elementary School Social Science Subject

Eko Eko Purwanti, Eko Purwanti, Pipit Diah Noviana

Many students assume that the Social Science Subject lesson students memorize so it is not desirable. One solution to this problem is to see social intelligence from a different perspective. Many internal and external factors that affect the results of social studies one of which is social intelligence....

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Development of Android-Based Information Systems Faculty of Education

Hendra Hendra Dedi Kriswanto, Hendra Dedi Kriswanto, Mu'arifuddin Mu'arifuddin, Dania Ayu Wulandari

Internet usage in Indonesia is increasing. The majority of user's access using Android-based smartphones. This is supported by the number of smartphone users which is expected to continue to increase since 2016. This is the background of researchers in developing Android-based information systems. Based...

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The Correlation of Discipline and Responsibility on the Learning Outcomes of Civic Education in Grade 4

Isa Isa Ansori, Isa Ansori, Sutaryono Sutaryono, Rizka Aprilia Dewi

The objective of this study was to investigate the correlation of discipline and responsibility on the students' learning outcomes of civic education in grade 4 SDN Gugus Dwija Krida Mijen Semarang. This study employed a quantitative method with the correlation type of study. The sampling technique used...

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Analysis of Students' Academic Anxiety Through Personality Prediction in Counseling Practice

Kusnarto Kusnarto Kurniawan, Kusnarto Kurniawan, Mulawarman Mulawarman, Zakki Nurul Amin, Suharso Suharso, Eko Nusantoro

Many factors are related to students' academic anxiety when learning in class. This research is based on the phenomenon of some students who have difficulty and anxiety in counseling practice classes. The focus of this study is to predict students' academic anxiety based on their personality traits....

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Blended Learning as an Effort to Improve the Quality of Learning at Universitas Negeri Semarang

Niam Niam Wahzudik, Niam Wahzudik

The current learning approach paradigm places students as subjects as well as learning objects. It is undeniable that the lecture method cannot be left out of the learning process in higher education. The potential of information and communication technology (ICT) infrastructure in Unnes has huge potential...

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Improvement of Read Aloud Skills for Elementary Students Through Literacy Corner

Nugraheti Nugraheti Sismulyasih Sb, Nugraheti Sismulyasih Sb, Hartati Hartati

This study aimed to describe literacy corner arrangement in elementary schools and improve reading skills through the literacy corner. The research method used was quasi-experimental, with the design of one group pretest-posttest O1 X O2 (Mc Millan & Schumacher 1989: 312). The subject of this research...

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Learning Discipline Level And Its Correlation with The Achievement Level of Learning Outcomes of Primary School Students

Sri Sri Sami Asih, Sri Sami Asih

Based on the results of observation and interview, students had different levels of learning discipline. Some students were very disciplined, mediocre, and the others were less disciplined in learning. Students also achieved different learning outcomes. Some students achieved high learning outcomes,...

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Perceptions of 'Hearing' People on Sign Language Learning

Bayu Bayu Ramadhani Fajri, Bayu Ramadhani Fajri, Grahita Kusumastuti

This study aims to determine public perception of sign language in Indonesia, especially towards BISINDO (sign Language of Indonesia). Sample of this research is one hundred people in Padang, which consists of workers and students. Data were collected through a survey. The instrument used is perception...

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Identification of Olympiad Material in Elementary Schools

Dea Dea Stivani Suherman, Dea Stivani Suherman, Fanny Rahmatina Rahim, Syamsu Arlis

The elementary science Olympiad is the first step for talented students who are expected to continue following the Olympics at the next level. Based on the results of a preliminary analysis of the initial analysis conducted at SDN 30 Cengkeh, information was obtained that aspects of knowledge, creativity,...

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Development of Practical Life Exercise at Montessori Kindergarten Padang

Farida Farida Mayar, Farida Mayar, Nenny Mahyuddin, Delfi Eliza, Indra Yeni

The purpose of this study was to know about the development of practical life exercise, one of the Montessori curricula that researchers conducted at the Pioneer Montessori School Kindergarten. This study used a descriptive method with a qualitative approach. The data analysis step used reduction, presentation...

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The Effect of Using The Problem Based Learning (PBL) Learning Model Using Video on Learning Results of Class VIII State 5 Padang Middle School

Fetri Fitri Yeni J, Fitri Yeni J, Wira Hasmidar, Fitri Maiziani

This study aims to determine the significant of the Problem Based Learning

(PBL) model student learning outcomes in IPA on grade VIII. This study used quantitative approach in the form of quazy-experiment. The population of this study is all students of class VIII SMP Negeri 5 Padang, 2019 / 2020. Sample...

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Planning for Extracurricular Activities

Hanif Hanif Al Kadri, Hanif Al Kadri, Tia Ayu Ningrum, Yulianto Santoso, Ratnawati Ratnawati

Atlantis Press was conducted to determine planning extracurricular activities in junior high school. This study is a descriptive study using a quantitative research approach. The study population was all coaches of extracurricular activities, amounting to 55 people, with a sample using the formula Slovin...
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Women Convict Hopelessness: Challenges for Service Guidance and Counseling

Indah Indah Sukma Wati, Indah Sukma Wati, Zikra Zikra, Afdal Afdal, Rina Triana, Win Andriani

Women who commit crimes will be given a sentence of imprisonment, while in prison will experience situations of hopelessness such as not wanting to communicate, closing themselves in the environment, being depressed, deep sadness and other psychological disorders. This condition requires intervention...

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The Role of Counselors in Helping to Improve the Self-Image of Female Prisoners: Challenges for Guidance and Counseling Services

Indah Indah Sukmawati, Indah Sukmawati, Bunga Adelya, Afdal Afdal, Wiwin Andriani

Female prisoners are likely to experience psychological problems, especially related to self-image such as loss of identity and personality, loss of self-control, difficulty adjusting, having low self-esteem, difficult to accept the present situation, reduced self-confidence and a high sense of despair....

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Relationship between Certification to Profesional Competency of Kindergarten Teacher in Nanggalo, Padang

Indra Indra Jaya, Indra Jaya

The research objective was to determine the relationship of teacher certification for professional competence kindergarten in Nanggalo District of Padang. This study uses quantitative methods correlations. Respondents are excepting a kindergarten teacher in the district of Padang Nanggalo numbered 13...

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Paradigm of Early Childhood Art's Education

Indra Indra Yeni, Indra Yeni, Alriskha Hairi Dilfa

One of the government policies in the education sector is the implementation of Early Childhood Education (ECE). Art in ECE is an important role in demanding attention for all parties and understanding and more efforts especially for education practitioners. Over time the shift in the role of making...

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The Implementation of Training Model to Improve Professional Competence of Teachers in Inclusive Education

Irdamurni Irdamurni, Nurhastuti Nurhastuti, Zulmiyetri Zulmiyetri, Kasiyati Kasiyati, Megaiswari Megaiswari

The problems that occurred in Padang Elementary School that most teachers do not have competence in inclusive education. Have not found the model is effective and practical training to improve the competence of teachers in the implementation of inclusive education, this study aims to build a model of...

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The Evaluation of *Paket C* Program in Improving the Learning Quality of Learning Citizens at Sanggar Kegiatan Belajar Cerme Gresik

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Abstract: Digital era education becomes a challenge for citizens learning *Paket C*. Along with the progress of the times the improvement in the quality of education is directly proportional to the competencies of learning citizens. The *Paket C* program is a program in the non-formal education pathway that is organized in stages and structured. Learning citizens as adults to receive education have not been maximally facilitated in the formal education pathway equivalent to high school (high school) or Madrasah Aliyah (MA). This research was conducted on learning citizens of *Paket C* at Sanggar Kegiatan Belajar (SKB) Cerme Gresik. The purpose of this study was to find out how the description of the *Paket C* program at SKB Cerme Gresik, as well as to describe the quality of learning the learners of *Paket C* at the SKB Gresik. In this study using Mixed Methods method with qualitative and quantitative approaches. The results of this study illustrate that the evaluation of the *Paket C* program is carried out in five stages such as planning, organizing, mobilizing, coaching, and evaluating. And the quality of learning can be seen from the tutors who have scientific qualifications that are appropriate to the subject. And the results of pre-test and post-test learning showed an increase in the quality of learning before and after learning.

Keywords: non-formal education, paket c, learning quality, learning citizens, and program evaluation

I. INTRODUCTION

Education in the digital era is the carrying capacity of the community in entering the business and industrial world. Through education, learning citizens can access higher education. The carrying capacity of improving the quality of learning becomes an important value in increasing the competence of graduates from *Paket C* (High School Equivalency). Educational services in Indonesia recognize education as divided into three education centers. Tri education centers include formal education, non-formal education, and informal education.

Formal education is a structured and tiered education pathway consisting of basic education, secondary education, and higher education. Non-formal education is a channel of education outside of formal education that can be implemented in a structured and tiered manner, and informal education is a path of family and environmental education [1].

In actual implementation, formal education has not been maximized in facilitating the community. This is seen in adults as citizens learning to pursue Package C. Therefore, non-formal education is an alternative in facilitating adults to learn. The general *Paket C* program (High School Equivalency) is equivalent to High Schools (SMA) providing non-formal education services for anyone who needs secondary education and cannot be fulfilled through formal education channels [2].

To realize quality education it is necessary to conduct a program evaluation. Evaluation is an activity to gather information about the workings of something, which then information is used to determine appropriate alternatives in making a decision [3]. Information collected as material for improving the quality of learning of learning citizens.

While the evaluation of the program is a framework of activities carried out deliberately and carefully to find out the level of implementation or success of a program by knowing the effectiveness of each component, both for the current program and programs that have passed [4].

Citizens who are active in learning, have a religious spiritual, can control themselves, have personality, intelligence, and noble character will be realized if the learning citizens have fulfilled the 12 year compulsory education. The gross enrollment rate (GER) of high school / MA / Package C graduates will be seen if more students receive 12-year compulsory education. The government through the education development program is described in Mission 5 K. They are: (1) availability of educational services, (2) affordability of education services, (3) improving the quality of education, (4) realizing equality for education, and (5) ensuring certainty get education services [5].

Sanggar Kegiatan Belajar Cerme Gresik is a non-formal educational institution that organizes the equivalence program *paket C*. Based on Dwinata's

research at Gresik SKB, the current SKB programs currently being implemented by the tutors are still not suitable or have not achieved maximum results compared with targets or targets specified in the SKB operational manual. Factors affecting the discrepancy between the implementation of the program or the tasks carried out by the Civil Service Learning Unit and the planning contained in the operational guidelines of the SKB. Several factors include internal and external factors [2].

Internal factors are factors that originate from within the tutor learning such as motivation in work, education, and experience, potential, and mastery of skills. External factors are factors from outside the individual such as; SKB head leadership, work environment, facilities or infrastructure, and conditions in the community itself. Through facilities and infrastructure, it is expected that the program can run optimally in accordance with what has been planned [6].

The obstacle experienced by tutors in teaching and learning activities is the mismatch between the implementation of the program or the tasks carried out by the Civil Service Learning Unit and the planning contained in the operational guidelines of the SKB. Tutors who handle two subjects at the same time outside their educational qualifications, active learning citizens who are lacking, tutors lack understanding of material outside of their educational qualifications, tutors rarely use learning implementation plans (RPP) when teaching, many materials are still not delivered to learning citizens [2].

According to BPS data, the school expectations (APS) of citizens learning in Gresik Regency during the last five years from 2013 to 2017 experienced a relatively small increase. This is as in table 1.1 as follows:

Table 1.1: School Expectation Rates in Gresik Regency

The region	School Expectation Rate				
	2017	2016	2015	2014	2013
Gresik Regency	13.70	13.69	13.19	13.17	12.85

Source: BPS in 2019

School expectations for 2013-2014 increased by 0.32%, in 2014-2015 it increased by 0.02%, for 2015-2016 it increased by 0.5%, while for 2016-2017 it increased by 0.01% . From the school expectation rate for 5 years in Gresik Regency, there was no significant increase [7].

While the gross enrollment rate (APK) of education in Gresik Regency according to BPS data from 2015-2019 for the level of education from elementary school to secondary school also did not experience a significant increase. The condition of gross participation rates in Gresik Regency can be seen in Table 1.2 as follows:

Table 1.2: Rough Participation Rates Rates in Gresik Regency

Educational Level	The Gross Enrollment Rate		
	2017	2016	2015
Elementary school	106.79	108.17	108.67
Middle school	92.22	92.54	91.42
High school	81.43	81.23	116.20

Source: BPS in 2019

In table 1.2, the gross participation rate of Gresik Regency illustrates that from 2015-2017 the gross enrollment rate starting from elementary schools/*Madrasah Ibtidaiyah* decreased from 108.67 to

108.17, and in 2017 it dropped to 106.79. Whereas in 2015 junior high schools/*Madrasah Tsanawiyah* starting from 91.42 to 92.54, and in 2017 decreased to 92.22. For senior high school/ *Madrasah Aliyah*, from 2015-2016, the gross enrollment rate decreased significantly from 116.20 to 81.23, and in 2017, it increased to 81.43 [8].

The condition of gross participation rates that are not stable in Gresik Regency is an obstacle for formal education. So it is necessary to take part in non-formal education in overcoming the problem of the lack of gross participation rates and expectations of community schools in Gresik Regency.

Based on the preliminary study and the results of a literature study conducted by researchers, efforts to improve the quality of learning of learning citizens by evaluating the program. The evaluation of the equality program is expected to provide input in improving the quality of learning of learning citizens at the *Sanggar Kegiatan Belajar Cerme Gresik*.

II. METHOD

This research uses mixed methods. It combines quantitative and qualitative methods. Mixed methods research design is a procedure for collecting, analyzing, and "mixing" quantitative and qualitative methods in a study or series of studies to understand research problems [9].

The research approach used is a quantitative and qualitative approach, in Indonesian a mixed method. Quantitative data, such as scores on various instruments, obtain certain numbers that can be analyzed statistically, can produce results to access the frequency and strength of trends, and can provide useful information, and qualitative data, such as open interviews that provide the actual words of people in research, offer many different perspectives on the research topic and provide a complex picture of the situation [9].

Whereas the design of this study uses Explanatory sequential design namely "... mixed methods may collect quantitative and qualitative information sequentially in two phases, with one data collection following and providing information on other forms of data collection." [9].

Visually the following in the Figure: 2.1 the following:

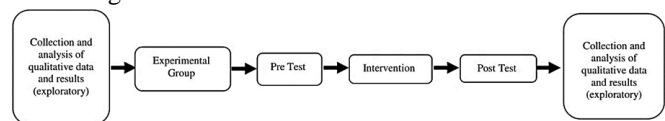


Figure 2.1: The Experimental Mixed-Methods Design [9]

Sequential explanatory model combination research methods are characterized by data collection and quantitative data analysis in the first stage, and followed by the collection and analysis of qualitative data in the second stage, in order to strengthen the results of quantitative research conducted in the first stage [10]. In this study using the Wilcoxon Test Signed Rank Test using SPSS statistics 22 for Windows and Microsoft Office Excel 2013.

The place of this research was conducted at *Sanggar Kegiatan Belajar (SKB) Cerme Gresik*, Jl. Jurit, Cerme Kidul, Cerme, Gresik Regency, East Java 61171. The reason for determining the place as a research location is because of the SKB Gresik is an institution that organizes Paket C program (High School

Equivalency). And the subject of the study is four tutors and twenty learning citizens.

Data collection techniques in this study were by interview, observation, documentation and questionnaire. As for data analysis techniques with qualitative and quantitative analysis.

III. RESULTS AND DISCUSSION

A. RESULTS

The Overview of *Paket C* Program at di Sanggar Kegiatan Belajar (SKB) Cerme Gresik

The evaluation of the equality program is examined from the description of *the paket C* program. In the description of *the paket C* program carried out by the Sanggar Kegiatan Belajar (SKB) Cerme Gresik, there are five stages including planning, organizing, mobilizing, coaching, and evaluating.

At the planning stage, *the paket C* program aims to provide opportunities and opportunities for people who cannot experience formal education. The need for learning citizens to pursue *the paket C* is to get a diploma and be used as a precondition for work. Whereas skills that are sought after by learning citizens include sewing for women, and gardening for men. Learning citizens of *the paket C* is 18 years old for regular programs, and for non-regular programs, the average is over 25 years.

The advantage of the *paket C* program is having flexible time so that learning citizens can adjust to non-regular working time. As for the regular for the learning time in accordance with the active day of school Monday through Friday. Barriers to learning citizens to take part in learning activities are the relative distance between work locations and places of study.

The *paket C* program, in the recruitment of tutors, has a minimum undergraduate education qualification in all fields of study required by the SKB. And the age of tutors between 25-45 years and has the motivation to teach and educate learning citizens.

At the stage of organizing the equality program for *Paket C*, the program manager is the tutors of the Sanggar Kegiatan Belajar (SKB) Cerme, Gresik regency. With the aim of learning to provide knowledge, skills, and attitude planting in learning citizens. In the *paket C* program, there are twenty 20 people of learning citizens. As well as the location of learning conducted at the SKB Cerme, Gresik Regency for the regular learning citizens at 07.00-14.00 WIB from Monday to Friday. As for Saturday for the development of talent interest activities.

Non-regular learning citizens, learning takes place on Saturdays and Sundays. With flexible time and adapted to the needs of learning citizens. In implementing learning using the K13 curriculum that is tailored to the needs of learning citizens. As well as learning methods using lectures, and brainstorming. Whereas tutor learning techniques is to use discussion and demonstration for learning skills.

The facilities and pre-learning of *the paket C* program in their implementation use learning facilities in the SKB with 6 local classrooms that are already equipped with tables, chairs and white boards. Besides the library facilities in the SKB that are used as referrals for learning citizens in the learning process of *the paket C*. The process of the *paket C* in the SKB, the learning citizens are free of charge, because the residents learn to get education fees from the government.

The mobilization phase of citizens to take part in learning activities in *paket C* has intrinsic and extrinsic motivation. At the intrinsic stage, learning citizens have high motivation to learn, seen from the enthusiasm for learning and the presence for learning every day. As for extrinsic factors, learning citizens get help with study costs and encouragement from parents to receive higher education.

At the stage of development of the *paket C* program in the SKB Cerme Gresik, it was carried out in three stages. They are supervision, investigation, and monitoring. The learning supervision stage is carried out by the tutor as the manager of the *paket C* program. The investigation phase is carried out by the subject tutor, and the learning monitoring stage is carried out by the tutor and tutor during the learning process.

At the learning assessment stage carried out through three stages including: initial assessment of activities, assessment of the learning process, and final evaluation of learning. The implementation of *paket C* for the initial assessment of activities is to look at the participation of learning citizens in the learning, and the accuracy of the arrival of learning citizens. The assessment of the learning process is carried out by the subject tutor. Tutors assess by looking at the activeness of learning citizens, neatness, attitudes, and creativity of citizens learning during studying. And the final assessment of learning is by holding a final examination both in theory and practice.

Improving the Quality of Learning for Learning Citizens of *Paket C* at Sanggar Kegiatan Belajar Gresik

The quality of learning is an indicator used in the assessment of learning on the *Paket C* program in the SKB Gresik. On the quality of learning of citizens learning package C to measure the level of achievement using pre-test and post-test assessments.

Table 3.1: Pre Test and Post test Quality of Learning in Citizens Learning of Package C at SKB Cerme Gresik.

No. Respondent	Quality of Learning	
	Pre test	Post Test
1	3,27	3,64
2	3,09	3,55
3	3,64	3,82
4	3,36	3,45
5	3,00	3,64
6	3,00	3,36
7	3,45	3,64
8	2,91	3,27
9	2,91	3,64
10	3,73	3,82
11	3,00	3,73
12	2,91	3,73
13	3,45	3,55
14	3,09	3,82
15	3,45	3,64
16	2,91	3,91
17	3,36	3,73
18	3,55	3,64
19	3,55	3,73
20	3,55	3,64

In table 3.1 the results of the pre-test and post-test learning quality of citizens learning, *paket C*, in SKB Cerme Gresik. The following are the results of the Wilcoxon Signed Ranks Test, and are processed using SPSS statistics 22 for Windows and Microsoft Office Excel 2013 in table 3.2 as follows:

Table 3.2 Ranks

Ranks		N	Mean Rank	Sum of Ranks
Post Test - Pre Test	Negative Ranks	0 ^a	,00	,00
	Positive Ranks	20 ^b	10,50	210,00
	Ties	0 ^c		
	Total	20		

- a. Post Test < Pre Test
- b. Post Test > Pre Test
- c. Post Test = Pre Test

Output Table 3.2 Ranks can be interpreted as follows:

- a. Negative ranks or the difference in negative values between the quality of learning of citizens learning from *paket C* for pre-test and post-test is 0, both for the value of N, Mean Rank, and Sum Rank. A value of 0 indicates no decrease from the pre test value to the post-test value.
- b. Positive ranks or positive value difference in learning quality of citizens learning of *paket C* for pre-test and post-test. In table 3.2, the value of N is 22 positive data, which means that the 20 learning residents have improved the quality of learning from pre-test to post-test. Mean or the average has increased by 10.50, while the number of positive rankings or sum of ranks is equal to 210.00.
- c. Ties are the similarity of pre-test and post-test values, in table 3.2 the ties value is 0, so it can be said that there is no similar value between pre-test and post-test.

The basis for decision making in the Wilcoxon test is as follows:

- a. If the value of Asymp.Sig. (2-tailed) is smaller than <0.05, then Ha is accepted.
- b. Conversely, if the Asymp.Sig (2-tailed) value is greater than > 0.05, then Ha is Rejected.

On the basis of decision making in the Wilcoxon test, the decision making and conclusion making are synchronized with Test Statistics in table 3.3 as follows:

Table 3.3

Test Statistics

	Post Test - Pre Test
Z	-3,935 ^b
Asymp. Sig. (2-tailed)	,000

- a. Wilcoxon Signed Ranks Test
- b. Based on negative ranks.

Based on the output in table 3.3 test statistics, it is known that Asymp.Sig (2-tailed) is worth 0,000. Because the value is 0,000, it is smaller than <0.05, and it can be concluded that "Ha is accepted". This means that there are differences between learning outcomes before using a learning quality approach.

B. DISCUSSION

Overview of Paket C Program at Sanggar Kegiatan Belajar Cerme Gresik

The description of the Paket C program in its implementation has five interrelated stages. In the first stage, the planning phase of the paket C program. At this stage, learning citizens of paket C divided into two groups. Regular and non-regular groups. Tutors as program organizers at the planning stage identify needs for learning citizens. The results of identification that learners of non-regular want to learn to get a diploma as a requirement to enter the workforce.

Furthermore, the learners of regular want to study due to several obstacles, such as due to lack of family finances, and dropouts from formal schooling. Therefore, Paket C program as a solution in obtaining education equivalent to high school. Besides, in the Package C program, the learning community also gained skills. Skills taught include sewing and gardening. I have sewing skills for learners female and gardening skills for learners female. In addition to these skills, learning citizens are also given the freedom to choose the sports fields of interest.

Paket C program which is equivalent to high school has advantages over formal education, including: (1) learning time is more flexible, because there is a learning contract between learning citizens and tutors, (2) clothes for learning do not have to be the same, the important thing is polite and neat, (3) the curriculum taught is tailored to the needs of the learning citizens, (4) learning prioritizes practice rather than theory in class, (5) learning is not limited to the classroom, outside the classroom as well as a place for learning. "... Paket C was developed based on the following principles; centered on life, diverse and integrated, responsive to the development of science, technology and art, thorough and continuous, and the principle of lifelong learning" [11].

In the implementation of learning planning that is often constrained is the distance of learning citizens from the place of learning. Therefore, learning citizens need a relatively long time.

The paket C program is learning that is prepared for learning citizens who need education to a higher level. "...educational programs for citizens to acquire knowledge and skills, acquire life skills, develop professional attitudes and personalities, prepare themselves to strive independently; or continuing education to a higher level" [12].

Learning citizens of paket C who continue their education at the tertiary level must be equipped with skills that are appropriate to the citizens' learning needs and the development of the technological era in accordance with the curriculum in formal education. The information age reinforced the continuing education, and universities began to serve in the meaning of lifelong learning with their continuing education courses as well as their formal curriculum [13].

Tutor recruitment as a companion in the learning process must have qualifications that are in line with the learning objectives. The recruitment tutor's equivalency tutoring paket C has an undergraduate qualification, which is in line with the needs of the subjects being taught, aged between 25-45 years and has motivation and enthusiasm for teaching.

The second stage is organizing; at this stage, the tutors as the organizer of the paket C program have a vital role. Among the role of the tutor is to determine the objectives of learning, learning schedules, places of learning, and skills that will be taught to the learning

citizens. Therefore, "the design of learning programs is assessed from: (1) aspects of the objectives to be achieved or the competencies to be developed; (2) learning strategies to be applied, and (3) contents of the learning program" [14].

The learning objectives in the paket C program are to increase the knowledge, skills, and attitudes of the learning citizens. In the paket C program implemented by the Cerme SKB, there were 20 learning citizens. Learning starts from Monday to Friday at 07.00-14.00 WIB. Whereas the non-regular is held on Saturdays and Sundays. Because the average learning citizens from the non-regular is workers. Time allocation is the result of a learning contract [15].

At the organizing stage, the implementation of learning conducted by tutors uses the K13 curriculum, which is adapted to the Indonesian National Qualification Framework. Learning materials are arranged in writing based on the material needed by learning citizens [16]. Tutors in teaching use the lecture method, brainstorm, and discussion. As for learning techniques during learning activities using demonstration techniques. So that learning citizens have skills and skills at work. Competency refers to the skill, knowledge, and ability required by an individual to perform well in a given profession [17].

To support the learning process, the facilities and infrastructure of the paket C program are entirely owned by the SKB Cerme Gresik Regency. Infrastructure facilities that are used to support the learning process are six classrooms, which are equipped with tables, chairs, and whiteboard facilities. To support learning, the SKB Cerme library has subject books that fit the needs of the learning population. The cost of education for regular learning citizens is completely free because they get help with the education costs from the government.

The third stage is the mobilization stage; at this stage, it is very related to the learning motivation of the learning citizens. During preliminary observations, learning citizens who attend learning on average have intrinsic motivation. Intrinsic motivation is a motivation that arises from within the learning citizens to learn and obtain education. While the extrinsic motivation that arises in learning citizens is encouragement because it requires a diploma to apply for a job, the prerequisites occupying a job position that requires a minimum qualification to pursue a paket C equivalent to high school, and for further education requirements.

In the fourth stage, the guidance stage, this stage is the stage used as a benchmark for program evaluation. Because the results of this evaluation become a recommendation whether the C package program equivalent to high school is in accordance with the implementation in the field, needs to be developed, or needs to be stopped so that the coaching stage includes three aspects, including supervision, investigation, and monitoring.

The supervision aspect is the responsibility of the learning agent as the manager of the paket C program. The tutor supervises when planning, implementing, and learning outcomes of the paket C. So that supervision from the beginning to the end of learning becomes the responsibility of the tutor to learn.

The investigation aspect is the responsibility of each subject's tutor. Therefore, in the learning process, the tutor plays an important role during the learning process. Starting from the learning objectives, learning models, to

the techniques used. So that citizens can learn comfortably while participating in learning.

The monitoring aspect is the responsibility of the tutor. So that all have responsibilities in monitoring both the process until the end of learning while at SKB Cerme. Continuous monitoring will facilitate evaluation of learning.

In the fifth stage namely the assessment stage or the final stage in the learning process. This stage becomes a crucial stage as an evaluation material for the institution. The assessment stage is carried out through three stages including: initial assessment, assessment of the learning process, and final assessment of learning. With this assessment stage it becomes a recommendation that the Paket C program is feasible to be continued, developed, or terminated.

Program evaluation can be concluded as a process of finding information, finding information and establishing information that is explained systematically about planning, values, goals, benefits, effectiveness and suitability of something with established criteria and objectives [18].

In the results of the evaluation program research that learning of paket C in the SKB Cerme Gresik is worthy to be continued. Because learning citizens who take the paket C education have a lot of interest and are not accommodated in formal education. That way the community believes in the objectives of the Activity Management Team and with that trust motivates the Activity Management Team to work better [19].

Improving the Quality of Learning for Learning Citizens Of Paket C At Sanggar Kegiatan Belajar Cerme Gresik

The learning quality of learning citizens' paket C in the SKB Cerme Gresik can be assessed from the pre-test and post-test scores. Descriptive results indicate that the variables tested previously as a whole have increased. Pre-test and post-test results are shown in Tables 3.1 and 3.2. in table 3.2 illustrates that the negative value between the quality of learning in learning citizens, the mean rank and sum of ranks all have a value of 0. There is no decrease from the pre-test value to the post-test value.

On the results of the quality of learning all learning citizens, which amounting to 20 learning residents experienced a significant increase. The improvement in the quality of learning the paket C can be seen from the average value increasing to 10.50, and the number of positive rankings of 210.00.

While the value of test statistics in table 3.3 illustrates that the value of Asymp. Sig (2-tailed) of 0,000 <0.05 then the alternative hypothesis is accepted. So the results of the pre-test and post-test illustrate that there are differences in learning outcomes before and after improving the quality of learning the paket C at SKB Cerme Gresik.

IV. CONCLUSIONS

The description of the paket C program at the Sanggar Kegiatan Belajar Cerme in Gresik Regency in its implementation after being evaluated continuously has five stages. The five stages of evaluating the paket C program in the SKB consist of the first stage of planning such as identifying the needs of the learning citizens, identifying skills, and recruiting tutors of the paket C. The second stage is organizing, starting from the learning objectives, the learning schedule, the place of learning,

and the skills that will be taught to the learning citizens. The third stage is mobilization, at this stage to bring up the motivation of learning citizens to take part in learning both intrinsic motivation and extrinsic motivation. In the fourth stage is coaching. At this stage, the learning community is assessed for learning outcomes by the tutor and subject tutor. The fifth stage is assessment, at this stage learning citizens are assessed as a whole. Starting from the beginning of learning, the learning process, until the end of learning. On the results of the pre-test and post-test evaluation of learning that there is an increase in the quality of learning on learning citizens of paket C at SKB Cerme Gresik.

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