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THE 2nd ANNUAL INTERNATIONAL SEMINAR ON TRANSFORMATIVE EDUCATION AND EDUCATIONAL LEADERSHIP

Educational Research to Endorse Productive and Innovative Generation in the 21st Century

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“Educational Research to Endorse Productive and Innovation Generation in The 21th Century”

Grand Mercure Hotel, Medan City, North Sumatera, Indonesia
October 16-17, 2017

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Preface

The 2nd Annual International Seminar on Transformative Education and Educational Leadership (AISTEEL with web link is http://aisteel2017.unimed.ac.id/) was held on October 16-17, 2017 in Medan City, Indonesia. This conference was organized by Postgraduate School, State University of Medan (Unimed) and is the routine agenda at Unimed now. The Second Annual International Seminar on Transformative Education and Educational Leadership is realized this year with various presenters, researchers, lecturers and students from universities both in and out of North Sumatera participate in the theme of which is “Educational Research to Endorse Productive and Innovative Generation in the 21st Century.”

2nd AISTEEL is the annual international seminar with main aim is to discuss of recent research special for Transformative Education and Education Leadership. Several topics like: Teachers Education Model, Research Global Issue in Education, Mathematics and Science Education, Social, Language Education, Vocational Education, Curriculum, Economic, History and Management Education have been discussed at the 2nd AISTEEL 2017. 2nd AISTEEL international seminar provided experts’ view on transformative education and educational leadership as well as curriculum article presentation. There were five keynote speakers have been came Professor Keiichiro Yoshinaga, Dr. Bambang Sumintono, Dr. Sitti Maesuri Patahuddin, and Dr. Yulia Rahmawaty. The organizer had been use online submission system to receive all abstract, full paper and also communication with authors. All of information include with comment of reviewer can be check real time by author.

Chairperson

Dr. Rahmad Husein, M.Ed
Welcoming Speech of Director of Postgraduate School State University of Medan

The Second Annual International Seminar on Transformative Education and Educational Leadership (AISTEEL)

The honorable,
- Rector of State University of Medan, Prof. Dr. Syawal Gultom, M.Pd.
- Vice Rectors of UNIMED
- Professor Keiichiro Yoshinaga, PhD, Institute of Liberal Arts and Science, Kanazawa University – Japan
- Dr. Bambang Sumintono, M.Ed., University Malaya – Malaysia
- Dr. Sitti Maesuri Patahuddin, Faculty of Education, Science, Technology and Mathematics, University of Canberra – Australia
- Yuli Rahmawati, Chemistry Education Program, Universitas Negeri Jakarta
- Deans of Faculties of Education, Languages and Arts, Social Sciences, Natural Sciences and Mathematics, Engineering, Sports Sciences, and Economics
- Vice Directors of Postgraduate School of UNIMED
- All speakers, lecturers, researchers, students, and participants

Good Morning
Welcome the honorable guests speakers Professor Keiichiro Yoshinaga, Dr. Bambang Sumintono, Dr. Sitti Maesuri Patahuddin, Assoc. Prof. Emilia Zulmira de FAN, and other speakers, lecturers and students from outside and inside Unimed to this international seminar which is the routine agenda at Postgraduate program of Unimed now. I’m glad that ‘The Second Annual International Seminar on Transformative Education and Educational Leadership’ is realized this year with various presenters, lecturers and students from universities both in and out of North Sumatera and participate in the theme of which is “Educational Research to Endorse Productive and Innovative Generation in the 21st Century.”

Ladies and Gentlemen,
In this second seminar exels the first one related to the administration by online and the publication index by either Thomson Reuters or Google Scholar. By the new policy on student’s publication, postgraduate program really matches the system, particularly for the students who will sit in the oral defence examination. Through the seminar, the postgraduate students improve their article journal writing and it is proved by many articles are submitted by the students.

The plenary speakers coming from 15 provinces in Indonesia will present topics covering multi disciplines. They will contribute a lot of inspiring inputs and new knowledge on current trending educational research topics all over the world. The expectation is that all potential lecturers will share their research findings to educational scientists and researchers as well for improving their teaching process and quality. Thus, this will contribute to the next young generation researchers to produce innovative research findings in education and educational leadership contexts.

This second seminar continues the promotion of the first sequel ‘Developing Future Teachers’ Education Model. Therefore, the propose of this second seminar on the transformative education and educational leadership research will trigger the young professional lecturers and educators to compete in the invention of innovative educational teaching and learning strategies, techniques and leadership.

I hope that the scientific attitude and skills through research will promote Unimed to be a well-known university which persists to be developed and excelled in the future.

Thank you the Rector of Unimed who always supports us in organizing the seminar. Thank you all guest and plenary speakers. Special thanks to both steering and organizing committee who have well-coordinated and collaborated in actualizing the seminar.

Director of Postgraduate Unimed

Prof. Dr. Bornok Sinaga, M.Pd
## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Effect of Using Collaborative Learning Strategy on The Student’s Achievement in Writing Descriptive Text</td>
<td>1</td>
</tr>
<tr>
<td>Nursyah Handayani</td>
<td></td>
</tr>
<tr>
<td>The Development of Multicultural Based Teaching Materials on the Observation Report Text for Senior High School Student</td>
<td>5</td>
</tr>
<tr>
<td>Nurhasanah Permata Sari Sembiring, Khairil Ansari, Mutsyuhto Solin</td>
<td></td>
</tr>
<tr>
<td>The Power Behind Advertisement</td>
<td>10</td>
</tr>
<tr>
<td>Endang Larasati</td>
<td></td>
</tr>
<tr>
<td>The Effect of Using Audio Visual Media on Student’s Vocabulary Mastery</td>
<td>13</td>
</tr>
<tr>
<td>Resti Citra Dewi</td>
<td></td>
</tr>
<tr>
<td>Ideational Taxonomic Relation of Hata Pangupa in Tapanuli Selatan Wedding Ceremony</td>
<td>17</td>
</tr>
<tr>
<td>Mutia Nasution</td>
<td></td>
</tr>
<tr>
<td>Pal’s Leadership Style and Teacher’s Performance of Islamic Junior High State School (MTsN) Hampanar Perak Deliserdang Distric</td>
<td>21</td>
</tr>
<tr>
<td>Nurmalia, Maria Ulfah Handayani, Denny Khairani, Desi Prawiti</td>
<td></td>
</tr>
<tr>
<td>The Influence of Work Motivation on Teacher’s Job Performance of Vocational High School in Medan</td>
<td>24</td>
</tr>
<tr>
<td>Darmawati, Sri Melfayetti, Selamat Triono Ahmad</td>
<td></td>
</tr>
<tr>
<td>Error Analysis by Using Tenses of Senior High School</td>
<td>28</td>
</tr>
<tr>
<td>Hariyanto</td>
<td></td>
</tr>
<tr>
<td>The Traditional Custom and Ceremonial Tradition in Suku Anak Dalam Language</td>
<td>32</td>
</tr>
<tr>
<td>Putri Ayu Lestari</td>
<td></td>
</tr>
<tr>
<td>The Impact of Internet Marketing on Success of Women Micro, Small and Medium Enterprises Innovation as Intervening Variable</td>
<td>36</td>
</tr>
<tr>
<td>Fivi Rahmatus Sofiyah, Ami Dilham</td>
<td></td>
</tr>
<tr>
<td>The Effect of Cooperative Integrated Reading and Composition (CIRC) Technique on Students Reading Comprehension</td>
<td>40</td>
</tr>
<tr>
<td>Linda Efrina Nasution</td>
<td></td>
</tr>
<tr>
<td>Translation Shifts in Translating Didong from Gayonese to Bahasa Indonesia</td>
<td>44</td>
</tr>
<tr>
<td>Wike Yurida</td>
<td></td>
</tr>
<tr>
<td>The Effect of Team Assisted Individualization (TAI) Strategy on Student’s Reading Comprehension</td>
<td>48</td>
</tr>
<tr>
<td>Khairunni Syafitri</td>
<td></td>
</tr>
<tr>
<td>The Effect of Organizational Culture on Working Disciplines of Madrasah Ibtidaiyah Head Master in Deliserdang</td>
<td>53</td>
</tr>
<tr>
<td>Muhammad Rifa’i, Syafaruddin Siahaan, Siman Nurhadi</td>
<td></td>
</tr>
<tr>
<td>Student’s Achievement on Reading Comprehension in Narrative Text by Using Think Pair Share Technique (TPS) at SMPN 1 Lubuk Pakam</td>
<td>58</td>
</tr>
<tr>
<td>Eprima Lestari Hutabarat</td>
<td></td>
</tr>
<tr>
<td>Ideational Taxonomic Relations of Hobar on Parpokatan Orja of South Tapanuli</td>
<td>63</td>
</tr>
<tr>
<td>Novria Grahamayunari</td>
<td></td>
</tr>
<tr>
<td>The Effect of Using Task Based Learning Method on the Student’s Achievement in Reading Comprehension</td>
<td>69</td>
</tr>
<tr>
<td>Nilam Ulami Siregar</td>
<td></td>
</tr>
<tr>
<td>Relationship of Initiation Structure and Consideration with Effectiveness Leadership</td>
<td>72</td>
</tr>
<tr>
<td>Wanti Simanjuntak, Syaiful Sagala</td>
<td></td>
</tr>
<tr>
<td>The Effect of Storytelling Method on Students Writing Narrative Text Ability at the Eleventh Grade Students of MAN Panyabungan</td>
<td>77</td>
</tr>
<tr>
<td>Armita Novriiana Rambe</td>
<td></td>
</tr>
</tbody>
</table>
The Implementation of Curriculum 2013 in Vocational High School 4 Takengon
Zainal Arifin, Herbert C.B. Manalu, Rini Deliana, Fitri Ariyanti

The Difference of Mathematical Problem Solving Ability by Using Student Teams Achievement Division (STAD) and Direct Instruction on System Linear Equation Two Variable in Grade VIII SMP Negeri 11 Medan
Faradilla Bafaqih, Cecep Nandar

The Influence of Problem-Based Learning and Every One is A Teacher Here Models on Higher Order Thinking Skills in Environmental Pollution Topics
Kurnia Putra, Hasruddin, Ahmad Rafiqi Tantawi

The Effect of Applying Task Based Learning (TBL) Approach on The Student’s Ability in Writing Descriptive Paragraph
Vijay Khana

Teacher’s Language Style in English Course Class
Dyan Yosephin Hutagalung

Differences Between Students Mark Taught With Co-Operative Learning Model Type TGT With Guess The Words Media Compared With Students Mark Taught With Co-Operative Learning Models With Words Square Media in Hydrocarbon Subject
Hariani Siregar, Gulmah Sugiharti

Language Used by Male and Female of Darul Ilmi Murni
Syukri Hidayati

The Use of Journal Writing in Improving Student’s Writing Skill of Recount Text
Muhammad Ilham Adha

Teacher and Student Perceptions Toward Practical Implementation Obstacles at Learning Chemistry
Sepra Pajar, Ramlan Silaban, Zainuddin Muchtar

The Analysis of of the Implementation and Problems of Lab Work on Chemistry Learning
Elvira Lastri, Iis Siti Jahro, Marham Sitorus

The Implementation of Using Library Card and ICT Based Library Service Systemin Increasing Reading Interest of Primary School Students at Tanjung Gading of Batu Bara Regency
Suci Amalia, Asih Menanti

Project Based Learning Tools Development on Alcohol and Ether Materials at Natural Science Faculty State University of Medan
Nadia Armina Ramad, Jamalam Purba

The Development of Teaching Material to Write Explanation Text Based on Mind Map
Pienti Mala Ningsih Manalu, Biner Ambarita, Rosmawaty Harahap

Improvement of Student Learning Outcome Using Model of Collaborative Based Lesson Study with Student’s Worksheet on Materials Hydrolisis
Agus Muliaman, Laila Majnun Hutagaol

The Application of Comic Learning Media to Improve Student’s Achievement on Reduction and Oxidation Reaction Topic
Anggi Desviana Siregar, Rini, Herdini

The Application of Cooperative Learning Round Robin to Improves Student Learning Achievement on the Subject of Electrolyte-Nonelectrolyte and Redoxin Class X SMAN 1 Seberida
Nora Santi, Betty Holiwarni, Johni Azmi

The Effect of Combination Cooperative Learning Models Toward Learning Result
Sapnita Idamarna Daulay

The Maintenance of Hokkien Among Chinese Speakers in Stabat
Widya Ningsih

Effect of Blended Learning Model and Learning Style to Civic Education Learning Results in Class VII in Junior High School Panca Budi Medan
Madina Qudsia Lubis, Reh Bungana Br.Perangin-angin, Mursid

EFL Student’s Uses of Um as Fillers in Speaking
Eka Riana
The Influence of Role Playing Method and Self Concept of Social Skills of 5-6 Years Old Child
Rabiah Hanum Hasibuan, Anita Yoo, Yusnadi
172
The Effect of Learning Approach and Personality Type Towards Learning Outcomes
Dwoy Dinda Sari, Juluga Situmorang, Busmin Gunning
178
The Effect of Learning Models and Critical Thingking Skills on Social Science Learning Outcomes
Juriah Siregar, Juluga Situmorang, Baharuddin
183
The Effect of Suggested Method on Student’s Achievement in Vocabulary
Heppy Yersin Digital Purba
188
Application of Active Learning Strategy Type Everyone is A Teacher Here (ETH) to Increase Student Activity and Learning Outcomes in Chemistry on Salt Hydrolysis
Wilta Fajarina, Darra Utari Ningsih, Sri Adelila Sari, Habibati
193
The Effect of Learning Strategy and Type of Personality on Student’s Achievement in Economic Science
Dewi Shara Dalimanthe
198
Development of Learning Tools Based on Realistic Mathematics Education of Ethnomathematics Nuances to Improve Mathematical Communication Skill Students in Junior High School 2 Percut Seiutuan
Rizqi Jamiah, Edi Syahputra, Kns. M. Amin Fauzi
202
The Impact of Cooperative Learning Strategy and Learning Interest Toward the Learning Result of Second Year of Senior High School Students in 2016/2017
Riswan Sianturi, Abdul Muin Sibuea, Edward Purba
208
The Development of Flash Program as a Media of Chemistry Learning on Chemical Equilibrium
Lenni Khotimah Harahap, Alibinus Silalahi, Iis Siti Jahro
210
The Ethnic Mandailing Tradition of Courtship (Markusip) and Revitalization Efforts in the Formation of the Character Youth
Riad Syafputra Siregar, Ratih Baiduri, Robert Sibarani
214
The Effect of Education on Unemployment Rate in Indonesia
Rahmat Putra Ahmad Hasibuan, Dede Ruslan, Fitrawaty
218
Development of Explanatory Text Materials Based on Problem Solving in Senior High School Pematangsiantar
Tiarma Nova Intan Malasari, Biner Ambarita, Malan Lubis
222
Learning Model of Strengthening Vocational Life Skills With Entrepreneurship Knowledge to Improve Student Learning Outcomes
Husni Wardi Tanjung
226
A Critical Discourse Analysis Wardah Halal Beauty Advertisements
Ayu Lestari Siregar, Mei Lastri E.F. Butar-Butar
229
Influence of Creative Problem Solving (CPS) Mathematics Leaning Model to Mathematical Problem Solving and Self Efficacy Students of SMA Negeri 3 Binjai
Nurcahaya Hutatso, Martua Manullang, Ani Minarni
232
Differences in Mathematics Problems Solving Students With Implementing Learning Model Think Pair Square and Group Investigation in Junior High Schools
Abdul Halim, Edy Surya
236
The Acquisition of Nouns and Verbs of Mandailingnese by Two-Year-Old Mandailing Children
Marwah, Amrin Saragih, Sri Minda Murni
240
Utilization of ICT Learning in Senior High School Teladan Medan
Tengku Salwa Miranti
244
The Effect of Cooperative Learning Model Based Interactive Media and Interpersonal Communication on Student’s Achievement
Catur Ayu Wialandari, Efendi Napitupulu, Keysar Panjaitan
248
Developing of Learning Material Based on Problem Based Learning to Increase Student’s Mathematical Reasoning Ability and Self-Efficacy in Grade X SMA Negeri 1 Medan
Anggi Paramita Daulay, Dian Armanto, Waminton R
253
Efforts to in Crease A Motivation to Learning Math Using “Program” Learning Model
Linda Sari, Edi Syahputra
The Efod of Improving Mathematics Learning Outcome on Quadrilateral and Triangle Matter by
Using Gradually Exsercise Strategy with The Assistance of Image Media
Ady Putra, KMS. Mohammad Amin Fauzi, Yulita Moliq
The Difference on Students’ Mathematical Creative Thinking Ability Between Realistic Approach
with Conventional in The State Madrasah Tsanawiyah 2 of Medan
Siska Lestari, Zul Amry, Hasratuddin
Developing Learning Materials Using Realistic Mathematics Education to Increase Junior High
School Students’ Mathematical Disposition and Connection Ability
Syu’aida Hazar Nasution, Izwita Dewi, E. Elvis Napitupulu
Developing Learning Materials Using Problem Based Learning to Increase Senior High School
Student’s Mathematical Disposition and Representation Ability
Dewi Khairani, Mulyono, Izwita Dewi
The Effect of Question Students Have Strategy on The Result of Students Learning in Mathematics
Yuliani Aruan, Edi Syahputra
Analysis of Academic Supervision Competence and Managerial Supervision in Improving the
Performance of Vocational High School Supervisors in Langsa City
Muhammad Hendra, Saut Purba, Mian Siahaan
The Use in Active Learning Strategy of Learning Starts with a Question Type in the Mathematics
Learning
Jeni Putria Efíl, Ani Minami, Pardomuan Sitompul
Improving the Ability to Learn Math by Using Rubu’ al-Mujayyab Media
Muhammad Hidayat, Edi Syahputra, E. Elvis Napitupulu
The Impact of Education Cost and Government Spending the Interest Rate of Bank Indonesia
Subtitle...
Julika Rahma Siagian, Dede Ruslan, Arwansyah
The Implementation of Problem Based Learning Models to Improve Mathematical Problem Solving
Ability of Students on Arithmetic Materials in Class VII Junior High School
Elidar Tanjung, Izwita Dewi, Mulyono
The Effect of Learning Strategies to Trial By Jury in Participoint Mathematics Learning Student of
Junior High School
Rizka Putri Rahayu, Ani Minami, Zul Amry
The Differences Between The Effect of Realistic Mathematics Learning Approach to Conventional
Learning with The Students Mathematics Learning Outcomes in Junior High School of 38 Medan
Grade VII
Diah Ari Saputri, Syafari
The Effect of Value National Exam Standards at Learning Achievement of Students at Senior High
School
Nurdiana Fahmi, Bornok Sinaga, W. Rajagukguk
The Effect of Open Unemployment Rate and Level of Vocational High Education to Poverty in North
Sumatera Province
Zulaili, Indra Maipita
The Application of Cooperative Learning of Think-Pair-Share (TPS) Type to Increase the Students’
Ability of Problem-Solving
Madriqah Fadhilah Siregar, Zul Amry, Syafari
The Relationship Between Metacognitive With the Results of Learning Outcomes on the Fungi Topic
Elizabeth, Herbert Sipahutar, Syahmi Edi
Comparison of DNA Isolation Methods from Economically Valuable Plants in Indonesia
Chairiyani Rizka, Fauziyah Harahap, Syahmi Edi
Development of Learning Device Based on Realistic Approach to Improve Problem Solving Ability
Mathematic of Student at Junior High School
Susanna Romaria Harahap
Efforts to Improve Understanding and Use Concept of Additive Fractions and Reduction Using Media Comics on Model Cooperative Learning Type Student Team Achievement Division (STAD)................. 339
Ratu Natalia Perangin-angin, Sahat Siahaan

The Effect of Cooperative Learning Type Games Teams Tournament (TGT) of Mathematics Learning Outcomes in the Fractions Matter......................................................................................................................... 342
Ansori Hasibuan, Asmin Panjaitan, Asrin Lubis

Development of Authentic Mathematics Assessment in Application of Problem Based Learning Model to Improve Problem Solving Ability and Understanding of Student Mathematics Concept at Namorambe Secondary Private Middle School Junior High................................................................. 347
Kartika Sari, Asmin, Bornok Sinaga

The Increasing of Student’s Mathematics Problem Solving Ability and Learning Motivation Through Problem Based Learning Model......................................................................................................................... 351
Ridha Maulida

Dialect of Batakinese Language Used by Senior High School Students’................................................................. 358
Rafika Nur Rahman

The Effectiveness of Tandur Method of Improving Students’ Learning Ability in Junior High School. 362
Rahmatul Islam Elmujaiddah, Mulyono, H. Banjarnahor

The Effect of Reciprocal Teaching Approach to Student Achievement on Ecosystem Topic in Junior High School................................................................................................................................. 365
Nilawati, Nurtika Dewi

Improvement of Student Learning Result by Using Cooperative Learning Model of Teams Games Tournament Type on Algebra Fuction Limit......................................................................................................................... 367
Rismalyah Manalu, E.Elvis Napitupulu, Martua Manullang

Noun Phrase of Culture Articles in The Jakarta Post......................................................................................................................... 371
Misdana

Application of Cooperative Learning Model Type Think Pair Share for Improved Communication...... 374
Nurhasanah

Implementation Model of School Policy in Constructing Behavior of Troubled Students................................. 378
Khairtati Purnama Nasution, H. Syaiful Sagala

Efforts to Improving Creativity and Mathematics Learning Outcomes of Students With SPLET Strategy................................................................................................................................. 382
Antoni

The Influence of Physical Education in Establishment of Self Esteem................................................................................................................................. 386
Yustinus Tarigan, Tarzyat Nugraha

The Improvement of Dance Art Learning Achievement for Deaf Students Through Total Communication Application (Gesture/Signal) in Sekolah Luar Biasa (SLB) - E Negeri Pembina Tingkat Provinsi Sumatera Utara................................................................................................................................. 390
Siti Maryam

Innovation of Media Video Compact Disc Instructional Pencak Silat for High School................................................................. 393
Marli Perangin-angin, Imran Akhmad, Agung Sunarno

Achievement Strategy of the Indonesian National Qualification Framework Based Curriculum Generic Description of Sport Education Postgraduate Program Universitas Negeri Medan................................................................................................................................. 397
Muhammad Supriadi Siregar, Nurhayati Simatupang, Albadi Sinulingga

The Effect of Teaching Styles and Motor Ability as The Result of Study Dribbling Football........................................... 401
Muhammad Fajar Doli Siregar

Semantic Analysis of English Loan Words in Indonesian Electronic Paper (Analisa)................................................................. 404
Putri Nurul Rahmadani Siregar

Analysis of Empowerment of Competence Sinergity on Optimization of Education System........................................... 408
Rameyanti Tampubolon

Inquiry-Based Video Learning Media For Overcoming Student Learning Difficulty (Case Study at State Junior High School 3 Lubuk Pakam Deliserdang District)................................................................................................................................. 412
Megawati
The Development of Mathematics learning Tool Oriented on Problem Based Learning to Enhance Mathematics Problem Solving Ability and Self Efficacy................................................................. 416
Solawati Nainggolan, Mulyono, Hasratuddin

The Effectiveness of Contextual Inquiry-Based Worksheet on the Matter of Fungi on Food Towards Students’ Higher-Order Thinking and Science Process Skills of Biology Education................................. 422
Nurjamiah Siregar, Hasruddin, Syahmi Edi

The Function of Limits Mastery on Mathematics Learning Achievement in Derivative Subject at the Eleventh Grade of Madrasah Aliyah Yayasan Pendidikan Karya Setia Padangsidimpuan......................... 426
Hasna Dewi Ritonga

Effect of Education Level, Income, Inflation on Community Consumption Pattern in North Sumatera Province................................................................. 431
Nelly Hutajulu, Fitrawaty, M.Fitri Rahmadana

Application of Problem Based Learning Model Assisted by Cabri Software to Improve Problem Solving Ability of Mathematics Students................................................................. 437
Ahmad Darmawan, Edi Syahputra, Kms. M. Amin Fauzi

Optimization of Academic Supervision Competence of High School Supervisor in Karo Regency with Critical Events Model (CEM)................................................................. 441
Karyawan Keliat, Yasaratodo Wau, Irsan

The Concept of Physics Learning Media Based Computer Animation................................................................. 446
Ratna Tanjung, Mukhtar, Efendi Napitupulu

Cultivating Children’s Critical Attitude with Educational Philosophy................................................................. 451
Daulat Saragi
The Effect of Teaching Styles and Motor Ability as The Result of Study Dribbling Football

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Abstract - This study aims to obtain a picture of the effect of independent variables on the dependent variable. It was two independent variables in this research, the teaching style and motor ability. As the dependent variable is the dribbling skill of the students. The method used in this research was an experimental method with 2 x 2 factorial design. Based on the data obtained, the results of the hypothesis tested and discussion of research results can be concluded: (1) Overall style of teaching self-check is better than the reciprocal teaching style of dribbling football skills; (2) There is an interaction between teaching styles and motor skills to soccer dribbling skills; (3) The self-taught teaching style is better than the reciprocal teaching style of soccer dribbling skills for students with high motor ability; And (4) There is no difference between the reciprocal teaching style and the self-taught teaching style of soccer dribbling skills for students with low motor ability.

Keywords: teaching style, motor ability and learning result dribbling football

I. INTRODUCTION

Education is an efforts to expand the humans potentials of the students both the physical potential of the creativity, sense, and the intention, in order that potential to be real and be able function in his life. The basic of education is an ideal of universal human. Education have a purpose to prepare an individual in balance, unity, organism, harmonious, and dynamic to achieve the goal of human life. Physical Education Sport and Health (PJOK) is a process an education systematically conducted through various physical activities, growth of physical, intelligence, and growth of character.

Education at school have a strategic function to expand of human resources and increase the potential of the students themselves. To give birth to quality human resources (HR) and highly competitive required the readiness of all parties to expand the still low student learning outcomes on football material, especially on the subject matter of dribbling in MAN 2 Model Medan. Dribbling is the most common form of attack in an effort to gain value by a team. According to Sardjono (1982: 76), dribbling is defined with the art of using some part of the ball to control the ball or roll the ball continuously on the ground while running.

Dribbling is carrying the ball intermittently with the feet. To achieve brilliant success in doing this dribbling be required high running ability. A good dribble should always pay attention to the game situation, friend or rival. Consequently in the dribble, the head should always be upright to watch the game, so that when kicking right on the desired target. If at the time of head dribbling always look down at the ball, without paying attention to the surroundings, then when kicking the result is not good. So can be declared a football player at the time of dribbling head position should be upright pay attention to the surroundings because if kicking the ball with the head is subdued then it could be a ball to be kicked somewhere to run direction. Because so great the role of dribbling in the game of football, then the dribbling technique should really be mastered by a student. Adam Way & Trevor L (2004: 74) declared that to teachers and coaches which must be considered in giving the material should pay attention to the components of dribbling skills and final completion. Dribbling the ball is very big role in the game or football competition, then the dribbling technique of the ball must really be mastered by a football student. Dribbling is the form the most attacks used in scoring goals in a team. The reality on the ground, especially in the MAN 2 Model Medan seen differences in basic motor skills dribbling football, partially have low motor skills, and part of his motor skills are sufficient. The low of motor ability dribbling football which these students have because of the lack of variation in teaching styles and the lack of students’ motor skills in learning the basic techniques of football games. This effected in basic motor skills in performing dribbling...
techniques in student football to be low. From observation, data, and result of consultation with teacher of MAN 2 Model Medan that there are still many students of class XI MAN 2 Model Medan which ability to do dribbling still low, of 312 students, about 175 or 60.48% of people have not been able to perform dribbling techniques nicely and correctly. 

The Achievement of students' physical education learning outcomes is influenced by several factors Dalyono, 2009: 55 (in Prasetyaningsih, 2013: 2) namely "internal factors and external factors. Internal factors (factors from within the student) include: health, intelligence and talent, motor interests and abilities, and learning styles. While external factor (factor from outside student self) consist of: family, school, society, and neighborhood".

Motor skills and teaching style play an important role in the learning process to get the results of learning in accordance with the purpose of learning. Motoric ability comes from English that is Motor Ability, motion (motor) is an activity that is very important for humans, because with motion (motor) man can achieve something that becomes his hope. According to Lutan (1988: 96), says that "motor skills are a person's capacity related to the implementation and demonstration of a skill that is relatively inherent after childhood. If teachers and parents can improve good motor skills of students or their children, then in students or children will arise the boost and desire to learn better. Providing good and appropriate motor skills, then the child can realize the benefits of learning and goals to be achieved by learning it. Individuals who are willing and able to learn with their own initiative, with or without the assistance of others in the determination of learning objectives, learning methods, and evaluation of learning outcomes ".

Generally can be said that the purpose of motor skills is to improve the ability of a student's movement to arise desire and willingness to do something so as to obtain results and achieve certain goals. For a teacher who knows the purpose of motor skills for his students is to move or push the students in order to have the desire and willingness to improve learning achievement so the purpose of education in accordance with the desired and what is expected and what has been defined in the school curriculum.

So it can be concluded that students who have high motor skills can do things on his own behalf without the help of others. Students with high motor skills can achieve better learning achievement than students with low motor skills.

Recognizing the importance of motor skills to achieve learning outcomes dribbling football for students, teachers must strive learning by applying learning models that can provide opportunities and encourage students to train student dribbling football. The chosen teaching style must be in accordance with the process of learning theory and practice skills, solely to improve the effectiveness and efficiency of the process.

Although many teaching styles are used by physical education teachers, but self-check and reciprocal styles because both styles are more studied and considered more suitable to be implemented by physical education teachers. Especially on dribbling material that should be required supervision from physical education teachers and the honesty of a student in order to get optimal results.

There is an opinion that these two styles are unattractive and boring or are often said to be unskilled teachers, keep in mind that there is no best teaching style for ever and each style of teaching has its own advantages and disadvantages.

II. METHOD

The research design used is by level with there are three research variables, that is one dependent variable and two independent variables. As a dependent variable (dependent variable) is the result of learning dribbling football and two independent variables (independent variable) is the teaching style and motor ability of students.

Learning treatment variables are divided into two, namely the self-examination style (A1) and the reciprocal teaching style (A2). Variables that influence, namely high motor skills (B1) and low motor skills (B2).

The type of research conducted is quantitative research using the experimental method. The design of this research is Factorial Design 2 x 2. The sample used amounted to 40 students of MAN 2 Model Medan schools. By grouping students who have high motor skills as much as 10 people and students who have low motor skills as much as 10 people Then grouped again into students who were taught with self-check teaching styles and reciprocal teaching styles. This study was conducted for 4 weeks, with 2 meetings every week.

<table>
<thead>
<tr>
<th>Table 1. Grouping of Experiment Sample</th>
<th>Manipulative Variables</th>
<th>Attributive Variables</th>
<th>Teaching Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>High motor skills (B1)</td>
<td>A1 B1 (10)</td>
</tr>
<tr>
<td>Manipulative Variables</td>
<td></td>
<td>Low motor skills (B2)</td>
<td>A1 B2 (10)</td>
</tr>
<tr>
<td>Attributive Variables</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

III. RESULTS AND DISCUSSION

The results of the study for the self-check teaching style group based on the grouping of students’ motor skills of learning result dribbling football is as follows:
Table 2. Data Learning Results Dribbling football Based on the Group Taught with Teaching Style Self check

<table>
<thead>
<tr>
<th>HIGH MOTORIC ABILITY</th>
<th>LOW MOTORIC ABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>NAME</td>
</tr>
<tr>
<td>1</td>
<td>Putri rahma dewi</td>
</tr>
<tr>
<td>2</td>
<td>Nandita</td>
</tr>
<tr>
<td>3</td>
<td>Tiffany bun’nam</td>
</tr>
<tr>
<td>4</td>
<td>Rahmad ramadhan</td>
</tr>
<tr>
<td>5</td>
<td>Harianto</td>
</tr>
<tr>
<td>6</td>
<td>Siti annisa</td>
</tr>
<tr>
<td>7</td>
<td>Dani purba</td>
</tr>
<tr>
<td>8</td>
<td>Indah aswarin</td>
</tr>
<tr>
<td>9</td>
<td>Afril liantito</td>
</tr>
<tr>
<td>10</td>
<td>Melati suhka</td>
</tr>
</tbody>
</table>

∑x = 835  ∑x = 845

Results of the study for reciprocal teaching style groups based on the grouping of students’ motor skills of learning result dribbling football is as follows:

Table 3. Data Learning Results Dribbling football Based on the Group Taught with Reciprocal Teaching Style

<table>
<thead>
<tr>
<th>HIGH MOTORIC ABILITY</th>
<th>LOW MOTORIC ABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>NAME</td>
</tr>
<tr>
<td>1</td>
<td>Anggi ayu kartika</td>
</tr>
<tr>
<td>2</td>
<td>Ayu juwita</td>
</tr>
<tr>
<td>3</td>
<td>Daniel kevin</td>
</tr>
<tr>
<td>4</td>
<td>M yusuf</td>
</tr>
<tr>
<td>5</td>
<td>Andika</td>
</tr>
<tr>
<td>6</td>
<td>Fahruj rozi</td>
</tr>
<tr>
<td>7</td>
<td>Risky fadillah</td>
</tr>
<tr>
<td>8</td>
<td>Suci putri ananda</td>
</tr>
<tr>
<td>9</td>
<td>Fredy hairisyah</td>
</tr>
<tr>
<td>10</td>
<td>Duduk priyo</td>
</tr>
</tbody>
</table>

∑x = 950  ∑x = 730

Combined data of research results for the self-check teaching style group and the reciprocal teaching style group on cognitive enhancement are as follows:

In accordance with the above research results, it is known that the learning results dribbling football which is taught with a lower self-examination style than the reciprocal teaching style for students who have high motor skills, but the result of learning dribbling football taught with a higher reciprocal teaching style compared with self-taught teaching styles for students with high motor skills.

IV. CONCLUSION

From the research results can be made CONCLUSION as follows:

1. Overall reciprocal style is better than self-taught teaching style of learning result dribbling football.
2. Significantly self-taught teaching style can improve learning outcomes dribbling football for students who have low motor skills.
3. Significantly reciprocal teaching style can improve learning outcomes dribbling football for students who have high motor skills.
4. There is an interaction between teaching styles and students' motor skills to learning outcomes dribbling football.

REFERENCES