# 2014

State University of Makassar

# INTERNATIONAL CONFERENCE ON MATHEMATICS, SCIENCES, TECHNOLOGY, EDUCATION AND THEIR APPLICATIONS

"Recent Research and Issues in Mathematics, Sciences, Technology, Education and their Applications"

ISBN: 979-604-151-0

# **PROCEEDINGS** ICMSTEA 2014

Makassar, August 20-21, 2014

ISBN: 979-604-151-0





### **Conference Proceeding**

# INTERNATIONAL CONFERENCE ON MATHEMATICS, SCIENCES, TECHNOLOGY, EDUCATION AND THEIR APPLICATIONS

 $Makassar,\,20^{th}-21^{st}\,august\,\,2013$ 

RECENT RESEARCH AND ISSUES ON MATHEMATICS, SCIENCE, TECHNOLOGY, EDUCATION AND THEIR APPLICATIONS



ISBN 979-604-151-0

Mathematics and Science Faculty
Makassar State University

ICMSTEA 2014: RECENT RESEARCH AND ISSUES ON MATHEMATICS, SCIENCE, TECHNOLOGY, EDUCATION AND THEIR APPLICATIONS

### **Editorial Board:**

Syafruddin Side
Iwan Dini
Rahmat Syam
Sumarlin Muis
Ahmad Fudhail
Andi Irma Suryani
Ansari Saleh Ahmar
Muh. Aqil Rusli
Bustang
Muh. Hijrah
Irwan
Iswan Achlan Setiawan
Nur Wahidin Ashari
Wahyuddin Bara
Zulkifli Rais

### **Reviewer Board:**

Prof. Max Warshauer

Prof. Susie Groves

Prof. Peter Hubber

Prof. Naoki Sato

Prof. Baharuddin Aris

Prof. Ismail bin Kailani

Prof. Duangjai Nacapricha

Prof. Muhammad Arif Tiro

Dr. Fran van Galen

Prof. Suratman Woro Suprodjo

Dr. Siti Nuramaliati Prijono

Oslan Jumadi, Ph.D.

Prof. Gufron D. Dirawan

Muhammad Abdy, Ph.D.

Dr. Ramlawaty

### WELCOME SPEECH

### Forewords from the Head of Committee

Assalamu'alaykum wa Rahmatullahi wa Barakatuh

First, I want to give our welcome to all the delegates, speakers, and participants coming today. Welcome to State University of Makassar, UNM.

This conference titled International Conference on Recent Research and issues in Mathematics, Sciences, Technology, Education and Their Applications (ICMSTEA) 2014 is assigned to the 53rd Dies Natalies of UNM. It is primarily organized by Faculty of Mathematics and Natural Science in conjuction with several committee members from other faculties within State University of Makassar.

This conference is conducted in two days from 20th of August to 21st of August in Theater Room, Pinisi Building, State University of Makassar. It involves eleven keynote speakers, ten invited speakers, and approximately 150 parallel speakers.

Ladies and gentlemen, as I previously said, the conference proudly invites twelve keynote speakers coming from several countries. Therefore, on behalf of the committee members, I would like to express my sincere thanks to the keynote speakers, specifically:

- 1. Professor Max Warxhauwer (Texas State University, USA)
- 2. Professor Naoki Sato (Osaka Prefecture University, Japan)
- 3. Professor Peter Hubber (Deakin University, Australia)
- 4. Professor Susie Groves (Deakin University, Australia)
- 5. Dr. Frans Van Galen (Utrecht University, the Netherlands)
- 6. Assistant Professor Duangjai Nacapricha (Mahidol University, Thailand)
- 7. Dr. Siti Nuramaliati Prijono (the Indonesian Institute of Sciences)
- 8. Professor Baharuddin Aris (Universiti Teknologi Malaysia)
- 9. Professor Ismail bin Kailani (Universiti Teknologi Malaysia)
- 10. Professor Muhammad Arif Tiro (Iowa State University & State University of Makassar)
- 11. Professor Suratman Woro Suprodjo (Gadjah Mada University, Indonesia)

Next, it is my privilege to thank all organizing committee members who have been showing good work and determination for the accomplishment of this conference. All of them have been working since the beginning of the planning stage and they are still here today for all of us, even though they are very busy with their personal responsibilities.

On this occasion, I would like to apologize to all of you when there are some inconvenience things during the implementation of this conference since we, the organizing committee, as just human being.

Finally, I would like to thank to the speakers and the participants listed in this conference. May I wish you all two fruitful days of interesting and beneficial conference and also that you have a very pleasant stay in Makassar.

Thank you very much for all the attention.

Assalamu'alaykum wa Rahmatullahi wa Barakatuh.

Head of Committee,

Suwardi Annas, Ph.D.



### Forewords from the Dean of Mathematics and Natural Science Faculty, State University of Makassar

Bismillahirrahmanirrahim Assalamu'alaykum Warahmatullah Wabarakatuh

First of all, let us praise to the Almighty, Allah SWT, because of his Blessings and Helps, we are able to gather here to attend International Conference on Recent Research and issues in Mathematics, Sciences, Technology, Education and Their Applications (ICMSTEA) 2014.

The development of education and technology in recent decades grows very rapidly. In addition, they have been specialized into many specific topics. Indeed, for researchers and lecturers, being qualified of a specific field as well as being aware of the contemporary development of other fields are two crucial things. One of the reasons why we undertake the conference is to fulfil those two things. By attending the conference, researchers and lecturers have a good opportunity to share their research findings and to obtain broader descriptions of the development of other general knowledge.

We convey our deep appreciation and gratitude to all of the committees that work from the beginning to support and organize the conference. We also strongly expect the participants of the conference to be continually productive, increase the capacity in conducting a research, and carry out both national and international scientific publications.

Finally, let me again recite thank you to the all participants of the conference who are receptive to spend their time to be present and entirely involved at this events. I wish the conference advantageous for all of us.

Billahi taufiq wal hidayah,

Wassalamu'alaykum Wr. Wb.

Dean of Faculty of Mathematics and Science State University of Makassar

Prof. Dr. H. Hamzah Upu, M.Ed.



### **Forewords from Rector of UNM**

Bismillahirrahmanirrahim Assalamu'alaykum Warahmatullah Wabarakatuh

Your respectable, the high officials of State University of Makassar, the committee, the speakers, and the partipants of conference.

It gives me great pleasure to extend to you all a very warm welcome, especially to our keynote speakers who have accepted our invitation to convene the conference.

It is an apportune time to convey to you that UNM is celebrating the 53rd Dies Natalis and it commends the faculty of Mathematics and Natural Science (FMIPA) to be in charge of all activity sequences in the Dies Natalis. However, the support of other faculties is also really influential and gives valuable contribution to the success of the event.

In that celebration, we undertake several agendas including educational and sport activities. The conference, ICMSTEA, is one of our educational activities that covers a wide range of very interesting items relating to mathematics, sciences, education, technology and their applications.

By taking participation of this seminar, it is highly expected to all of us to share our research findings to society and continuously develop new ideas and knowledge. Those things are two significant steps in improving the quality of nations around the world, increasing our familiarity to each other, and even avoiding underdevelopment.

On this good occation, let me quote what Obama said about the education related to this conference and I wish fruitful for all of us:

Every single one of you has something you're good at. Every single one of you has something to offer. And you have a responsibility to yourself to discover what that is. That's the opportunity an education can provide.

Therefore, through this conference, we are able to implement education.

Furthermore, I would like to take this opportunity to express my heartfelt gratitude to all organizing committee especially for Mathematics and Natural Science Faculty that primarily hosts this conference particularly and other Dies Natalis events generally.

Finally, this is a great time for me to declare the official opening of the International Conference on Recent Research and issues in Mathematics, Sciences, Technology, Education and Their Applications (ICMSTEA) 2014.

I wish you a very enjoyable stay in Makassar I warmly welcome you again, as in Makassar, we say "salamakki battu ri mangkasara" Assalamu'alaykum warahmatullah wabarakatuh.

Rector of State University of Makassar

Prof. Dr. H. Arismunandar, M.Pd.



### TABLE OF CONTENTS

WELCOME SPEECH
TABLE OF CONTENTS iv
Designing and Design Research
Mathworks, Math Problems and Math Education Research
Job Orientation Of Undergraduate Statistics Students of FMIPA Universitas Negeri Makassar
Muhammad Arif Tiro, Makassar State University
Membraneless Vaporization Devices: Effective On-Line Tools For Separation of Volatile Compounds In Flow-Based Analysis
Correlation Between Structures And Electronic Properties Of Organic Semiconductor Thin Films
Stem and Oer To Stimulate Student Engagement
Representation Construction: A Research Developed Inquiry Pedagogy For Science Education
Improving Mathematics Teaching Through Lesson Study
Introduction To Modelling For Geographical Resources Management
Role of Biological Sciences In Developing The Scientific Basis For Sustainable  Development
Siti Nuramaliati Prijono, The Indonesian Institute of Sciences (LIPI)
Mathematics Leadership
Developing Of School-Based Management Training Model For Principals12  Arismunandar, Nurhikmah H., Widya Karmilasari Ahmad, Makassar State University



Analysis Of Complex Building Structures Through Cooperative Learning: An Approach To understand complex subjects
Tryuuum, Gorontalo State Chryersty
Learning Number Pattern Using The Arrangement of Planting Palm Tree
Analysis of Dynamic Behavior Cd <b>4</b> <sup>+</sup> T Cells and Cd <b>8</b> <sup>+</sup> T Cells to mycobacterium Tuberculosis Infections
Usman Pagalay, Alfi Nur Rochmatin, Islamic State University of Malang
Review On Misconception In Chemistry Textbooks, Teachers And Students Of Senior High School As Users; Case Study On The Concepts Of Quantum Numbers And Electronic Configurations
Kristian H. Sugiyarto, Yogyakarta State University
Separation of Ca (Ii) And Mg (Ii) Metal Ion Underground River Water In Baron With Activated and Inactivated Zeolite By Fixed Bed Column Adsorption Method
Developing Equivalent Electrical Circuit Model For Organic Photovoltaic Cells58  Elisa Sesa, Darmawati Darwis, M. Syahrul Ulum, Abdullah, Warwick Belcher, Paul Dastoor, Tadulako University and New Castle University
Isolation And Identification Of Hydrocarbon Degradation Bacteria And Phosphate Soluble Bacteria In Lapindo Mud Sidoarjo – East Java
Yuni Sri Rahayu, Yuliani, Guntur Trimulyo, Surabaya State University
The Construction Process of Students' Mathematics Knowledge Based On Cognitive Style In A Learning
Abdul Rahman, Ansari Saleh Ahmar, Makassar State University
Influence of Self-Concept And Learning Interest On Mathematic Achievements of 8 <sup>th</sup> Grade Students Through Activities and Creative Thinking Ability At Junior High School In Alla Subdistrict At Enrekang District
What Is The Ability of Geosense?
Mathematics Learning Based Mathematical Communication Cultured and Character of Indonesia
Hipnoteaching As A Teaching Model
Student Understanding of Symbols In Math Algebra



Analysis Of Concept Understanding of Trigonometric Ratio's From Student's Initial Ability On Class X.1 Sma Negeri 11 Makassar
Improving College Students' Understanding On Mathematical Finance Course Through The Use of Post-Hypnotic Suggestion of Hypnotherapy
Designing Learning Continuum As a Basis For Constructing Diagnostic Test (Its Implementation For Algebra Expression)
The Development Of Internet-Based Assessment of Math Learning Evaluation160 <i>Marwati Abd. Malik, Mas'ud B</i> , University of Muhmmadiyah Parepare
The Influence of The Implementation of Unconscious Mind Program To Students' Mathematics Learning Achievement
Development of Teacher Competence Instrument Based On Rating By Students at SMA in Pangkep District
Learning from Misconception to re-Educate Students In Solving Problems of Mathematics
Exploration Of Mathematics Representation In Solving Mathematics Problem Based On the Level of Metacognitive Awareness of Grade X-IPA at SMAN 1 Majene
Problem Based Learning (Pbl) To Enhance Mathematical Analysis And Evaluation Skills of Junior High School Students
Pre-Service Teachers' Perspective To Identify Evidence Of Teachers' Effort on Developing Democratic Classroom Through Video
The Profile Of Thinking In Solving Algebra Based On Solo Taxonomy Viewed From The Level Of Self-Efficacy At Students of Smp Al-Azhar Palu
Is Reforming School Mathematics Curriculum Urgent In Indonesia?
Mathematics Learning At Non-Rme Classroom



Effect of Cooperative Learning on Mathematics Achievement of Sixth Grade Students of Mendrelgang Primary School In Bhutan
Tulashi Devi Pradhan, Naresuan University, Thailand.
The Description of Mathematical Problem Solving on Spldv Material Based on Student's Personalities
Muhammad Zainal Abidin, Ilham Minggi, Muh. Jufri, Makassar State University
Rigorous Mathematical Thinking In Geometry Course
Cooperative Interaction In Learning Mathematics
Influence Theoretical Problem Based Learning Model Cooperative Setting (PBMSK) Against Intelligence Personal Development
The Effect Of Student's Learning Style On Student Resistant Misconception In Chemistry Concept
Septyadi David Eka Aryungga, Suyono, State University of Surabaya
The Design Of Instruction Model Based On The Metacognitive Skill For Establishing Problem Solving Ability And The Understanding of Chemical Concept
Preliminary Analyzes Of Metacognition Awareness And Learning Outcome Of Basic Chemistry For Biology' Students FMIPA UNM
The Relationship Between Prior Knowledge and Creative Thinking Ability In Chemistry of Students In Grade XI Science at Public High School of Takalar
Characterization Of Polyblend Of Kelor Seed ( <i>Moringa Oliefera</i> ) With Eggshell As Adsorben for Water Treatment
Effect Of Learning Model Cycle Learning Through Contextual Approach To Learning Chemistry Class Viii Ipa Smp 30 Makassar  (Studies In The Subject Metter Of The Chemical)
(Studies In The Subject Matter Of The Chemical)
Higher-Order Thinking (Hot) Skills In UN, TIMSS, and PISA Items
Development of Science Practical Courses To Improve The Inquiry Ability of Prospective Teacher



Multiple-Choice Exams With Pictorial-To-Pictorial Format Representation of Density of Liquid And Aspect Cognitive Measured346
Helmi Abdullah, Jasruddin, D.Malago, Patta Bundu, Syamsul Bachri Thalib, Makassar State University
Developing Of Physics Teaching Materials On Based Environmental
The Influence of Learning Strategies and Cognitive Learning Styles on Learning Outcome In Physics of Students at SMAN 5 Bulukumba
Kaharuddin Arafah, Kasmiati, Makassar State University
Development of Web Based Physics Learning Media for 10 <sup>th</sup> Grade Senior High School Ir Dynamic Electricity Topic
There varied I containe, I am izar inst, state our versity of sakara
Innovative Learning Development Model For Improving High Level Thinking Skills And Student Learning Culture
National Test Quality (UN) at 2012/2013 School Year Of Subjects Physics Lesson Is Evaluated From Difficult Level And Different Poweritem In Level SMA/MA Study Program Natural Sciences (IPA) In Makassar City
The Influence Of Cooperative Learning Strategies Think Pair Share (TPS) Toward Capability In Probelm Solving Of Ecology With Different Cognitive Style398  Amiruddin Kasim, Tadulako University
Correlation Student Activity of Creating Concept Map and Concept Map Product That Created by Student With Learning Outcomes On The Nervous System Material In SMA Negeri 10 Bulukumba
Study on Learning Process (Project Based Learning) In Environment Science Course414 Baiq Fatmawati, STKIP Hamzanwadi-Selong
The Development Of Chart-Based Instructional Media Of Biology As Biocompass For Protists Subject Grade X Semester I
Scientific Inquiry Skills of Preserved Biology Teacher In Laboratory Activity
Utilization of Simple Microscope as Alternative Media at Basic Competency 6.3 Describe The Diversity of Life Organizational System From Cells To Organism at Class VII MTSN Turikale Kabupaten Maros
Kasmiatang Kadir, MTSN Turikale Kabupaten Maros



Item Test Analyzing for Odd Semester Examination of Biology Matter In Class XI Senior High Schools In Tamalanrea District at Makassar City for Academic Years 2013/2014...439 *Muhammad Takwin Machmud, Hardiyanti M, Yusminah Hala, A. Mushawwir Taiyeb,* Makassar State University

The Different Of Science Cognitive Learning Outcome On The Respiratory System By Using Problem Based Instruction Model With Demonstration Method And Without Demonstration Method In Class VIII MTSN Kelara
Implementation of Representation Visuospatial (Vs) Teaching In Cell Biology Concept for Undergraduate Students Mathematics and Biology Education
Relationship Analysis of Sport in Creating Fasting with The Student Health Aspects Science Foundation Islamic School Foundation Sciences of The Qur'an Al-Muzahwirah Makassar
Evaluation on Managerial Supervision Program Secondary Education Unit of Supervisors In Poso District
Knowledge and Attitude of Primary School Teacher Candidates The Portfolio Assessment
Correlation Islamic Values Against Sport In Creating Emotional Intelligence In Students Aliyah Islamicschool An-Nahdlah Makassar
Analysis Of The Roles Of School Supervisors In Guiding Teachers To Conduct Classroom Action Research At Senior High School In Bulukumba District
Using Laboratory Simulation In Vocational High School To Model Real World Problems
Vocational Education Reform In a Global Era
The Readiness of Students, Vocational High School Building Engineering Department, and Construction Industry In Applying Internship Program In Makassar City
Rearranging Free Education Policy In Indonesia (Case Study: Free Education Policy In Makassar)



Utilizing Audio Visual (VCD) To Improve Repruduction Written Skill In English Learning of Teacher Training of Elementary School Program (PGSD)537  Rohana, Makassar State University
The Impact of Policy on Region Expansion To Office Administrative Services In Barombong Subdistrict of Gowa District
Procedures of Constructing Tests by The High School English Teachers In Makassar558 Suhartina A. Busrah, Baso Jabu, Muhammad Nasiruddin Sainu, Makassar State University
The Development of Science and Technology Through The Professionalism of Lecturers565 <i>Syamsidah</i> , Makassar State University
Positive Expectation Model Development Education Improvement Efforts As A Stress Self-Management Skills Student Vocational High School (SMK) Makassar
The Application Of The Pigeonhole Principle, Modular Arithmetic, and Permutation In Playing Magical Trick Of a Card Game
Application of Structural Equation Modelling (SEM) With Analysis Of Moment Structures (AMOS)
Developing Students Books With Topics Matrix Based On Rigorous Mathematical Thinking (RMT) In Curriculum 2013
Homomorphisms and Isomorphisms In The Fuzzy Subgroup
Approximate Analytical Solution for SIR Model of Dengue Disease In South Sulawesi Using Homotopy Analysis and Iteration Variation Method
Stability Analysis of System of 1 Prey – 2 Predator With Holling Type II Functional Response
Abadi, Surabaya State University
Portfolio Optimization Analysis of Stock Using Markkowitz Model
Evolution Equation of Homogeneous Semi-Markov Processes In Health Insurance Additional Premiums Calculation for Outpatient Respiratory Disease
Survival Analysis and Its Application In Public Health





Structure-Activity Relationship for Larvacidal Activity of Non-Phenolic Compounds from The Stem Bark Of Red Mangrove ( <i>Rhizophora Stylosa</i> )
The Influence of Variation In The Amount of Starch Adhesive on The Calorific Value of Coconut Shell Charcoal Briquettes
Analyse of Water Flow, Rainfall and Evaporation In Maros Karst Areas and Sustainable Use In Agriculture
Muhammad Arsyad, Makassar State University
Immunohistochemical Study on The Distribution of Adenohypophysial Cell Types In The Pituitary Gland of Bungo Fish (Glossogobius Cf. Aureus) from Tempe Lake, South Sulawesi
Dwi Kesuma Sari, Andi Tamsil, Kazuhide Adachi, Yasuhiro Tsukamoto, Hasanuddir University, Indonesian Moslem University, Kyoto Prefecture University
A Study On The Topographical Of Syrinx In Laughting Chicken (Ayam Gaga) From South Sulawesi
Programmable Logic Controller(PLC)-Based Coin-Operated Automatic Charging Station
Computation Model For The FEB/FE <sub>2</sub> B Layer Growth Diffusion Kinetic During The ST41 Low Carbon Steel Powder Pack Boriding
Level Relations In The Field Of Health Services Clinic Sanitation By The Numbers Disease Occurrence Environment Based On Work Are A Community Health Center Makassar 760 Zaenab, Mawaddah, Ministry of Health Polytechnic Makassar
Temperature Trend Analisis In Jakarta City: 1981-2010
The Diversity of Anopheles Sppmosquitos Species In Traditional Mining Areas Ondistrict of Rarowatu Utara, Bombana Regency
Phosphate-Solubilizing Actinomycetes Isolated From Rhizosphere of <i>Manihot Utilisima</i> Ir South Sulawesi
Alimuddin Ali, Nurlaela Alydrus, Moh. Sahrul Tamsil, Andi Asrini Nurani Ulfa, Muslimin Makassar State University
Mi Lela (Mi Lele Labu): Manufacturing The Wet Noodle From Flour And Clarias Batrachus Flesh With Fortification of Pumpkin 797



Andi Nurul Virninda, Sriwidayani Syam, Nuraini Yusuf, Sri Wahyuni and Reski Ramadani, Makassar State University

Makassar State University
Development of Biology Instructional Media Based E-Learning Using Joomla and Wondershare Quiz Creator For Skeletal and Muscular System Concept
Identification of Physical And Social Ecotourism Potential In Ramma Valley at Bawakaraeng Mountain South Sulawesi
Diversity and Indicator Species of Herbaceous Understory Vegetation at Forest Dominated With Vitex Cofassus On Mount Bawakaraeng
Developing Students' Leader Character Through Sekolah Alam (A Case Study In Sekolah Alam Bogor Middle School Level)
The Effect of Different Grains On Oyster Mushroom ( <i>Pleurotus Ostreatus</i> ) Spawn Growth
Content of Flavonoid Compounds of Ageratum Conyzoides Leaves Extract From Some Altitude Habitats
Mohs Micrographic Modification Surgery In Handling And Rotation Flap Basal Cell Carcinoma
Improvement of DPRD Monitoring Model In The Implementation of The Government and Development to Realize Good Governance In Sinjai Regency In South Sulawesi
Implementation of The Marriage Registration Office of Religious Affair Makassar (Study of Law No. 1 of 1974)
Effect of Organizational Commitment Transformational Leadership Mediates On The Performance of Employees (Study On Islamic Banking In Makassar)



Society Opinion's Regarding Residential House and Its Environment Toward Human Basic Need In Makassar (In Review Of Physiological And Safety Needs Or Sense Of Security)
Development of Model-Based Learning Visual Media Through The Model Four-D Thiagarajan For Expository Writing In Junior High School
The Factors Affecting Inflation In Indonesia
Y Organ Cells Activity Based On The Concentration Of Ecdysteroid From Haemolymph of Mangrove Crab (S. Olivacea Herbs, 1979)
Joke Models of Development Result and Benefits
The Role of Heavy Metal Fe In Sponges (Porifera) From Spermonde Archipelago 945 Lydia Melawaty, Kristiana Pasau, Paulus Christian University of Indonesia
Application of Dynamic Model as Decision Making In Vehicle Emissions Pollution Control At Makassar City
Challenges Facing Economic Education In A Free Trade (ACFTA and AEC)
Implementation of Islamic Law In The Public Service In Achieving System Ombudsman of Makassar
Munammaaong, Makassai State Oniversity
The Application of Learning Group Investigation Model to Improve Students' Learning Outcome of Agricultural Technology Education Department
The Pakarena Sere Jaga Nigandang, Culture Identity and Makassar Women
Air Pollution Control In The Region of Makassar Indonesia
Fuzzy Logic Method to Diagnose Fault In 1-Phase Induction Motor
Optimization the Learning Based Competence Integrated With Character Education In Vocational High School
Riana T. Mangesa, Dyah Darma Andayani, Makassar State University

## International Conference on Mathematics, Science, Technology, Education and their Applications (ICMSTEA) 2014



Analysing Items Using the Rasch Model In Pisa 2000	1024
Contemporary Correlation	1034



# CORRELATION ISLAMIC VALUES AGAINST SPORT IN CREATING EMOTIONAL INTELLIGENCE IN STUDENTS ALIYAH ISLAMICSCHOOL AN-NAHDLAH MAKASSAR

ArifuddinUsman<sup>1</sup>, Muhammadong<sup>2</sup>
State University of Makassar, Parangtambung, Sulawesi Selatan, Indonesia.

E-mail address:

### Abstract

This study aims to find the correlation values Islam towards sports and associate with emotional intelligence. Emotional intelligence is needed in a sports game, so the athletes, referees, even supporter be able to function so that the values of fairness can be applied in the field because the field of sports is promoting the values of sportsmanship. It also became the foundation of the teachings of Islam because it is concerned with the values of honesty. This study used a descriptive method with qualitative approach to describe the purpose of systematically and analytically about the properties of an individual, symptoms, and circumstances or among a specific group of symptoms and other symptoms in the community. This study was conducted in Islamic school An-Nahdlah Makassar with a sample of 40 students. The results showed that there was a correlation between Islamic values with sport, because they both support each other, so it is easy to realize the emotional intelligence. It can be seen from the values of sportsmanship that is contained in a sports game. Likewise, in the Islamic religion is promoting the values of honesty in doing activities. Religion and sports of course closely related, both are interconnected, where religion is related to sports and sports related to religion. Both indirectly inseparable relationships can be proven with the properties that exist in the sport based on religion, especially the religion of Islam. In sporting events, the role of other religion is very important, as recommended praying before the match.

Keywords: Correlation, Islam, Against, Sport.

### 1. Introduction

Islam has always been known as a revolutionary force in history. He has successfully developed the civilization in the history of civilization that dazzles more than half of the world known to man and even now and also in the future, is a force to be reckoned with. More than one billion people this religion with 40 member states of the United Nations (UN) has a majority population of Muslims. Actually, the world wanted to know more about the role religion has played so prominently in this history. But the irony is that the material being presented to the world for knowing the full with bias, distortion and even littered. Islam and Muslims have been colored with black paint and projected as infidels bloodthirsty and spread their religion by the sword Stroke, and by destroying all the existing traditions of civilization. Nothing can be said to be a little farther than the truth other than this mud, because of historical distortion against Islam. (Begum A'ishahBawany, 1997: 1).

Islam, whenever never recognized as a world power is very large. For about 200 years before the Islamic countries became the main target of the European colonial powers, their religious cover-up and return incorrectly displayed in various ways so that the Muslims can be subdued and, at the same time, their chance to perform. Can be eliminated so that the nation could follow



their own purposes and principles of Islam, as practiced by Halaku Khan and his people who, after exploring many Islamic countries, they themselves become carriers of the banner of Islam and make it as a pattern of life and also arrange their governments are based on the teachings of Islam. (Begum A'ishahBawany, 1997: 4)

Islam is a universal religion, which does not discriminate between people, the race or color of skin so that, therefore, he belongs to all humankind. Islam is a religion that can solve a variety of problems throughout the ages and is also suitable for solving the problem on the "Space Age" we are now. Only Islam, among other religions that can guide human civilization that are, on the brink of destruction. Western nations are just looking for Islam when civilization is now expected to be saved from a horrible death that would soon come. (Begum A'ishahBawany, 1997: 3). Islam is a universal treatise, which governs the whole man. Islam also set the whole issue around the relationship between life and the life to something that exists before and after life. solves the problems Islam also humankind as a whole, (which has physical needs, instincts, and sense). Also regulate human interaction with the creator vertically, and diagonally with him, as well as horizontally with a fellow human being, at any time and place. (Taqiyuddin an-Nabhani, 1996: 7) Universality of Islam, mentioned in the Koran, as the word of Allah Surah al-Anbiya 1/21: 107

وماارسلناك الارحمة للعالمين

Translate:

And we sent thee not, but rather to (become) a mercy to the worlds (Department of Religion, 2007: 461)

Islam has brought the complete rules, which are able to resolve all of the problems in the interaction of state and society, both in matters of governance, economic, social,

educational and political, within and outside the country; both involving the interaction of a general nature, between states with community members, or between the state and country to country with people and other nations; when war and peace. Or specifically related to the interaction between members of the community with the other members of the community. (Taqiyuddin an-Nabhani, 1996: 7) It is therefore apparent that, if the Muslims do not appear to illuminate the world with the true message of Islam, the only religion in accordance with human nature, thinking Westerners who do research on their own efforts, as long as they think rationally and leave trust they were not convincing and does not make sense, surely will come to the same conclusions as intended and taught by Islam. However, it is not Islam as defined by the Qur'an and to be followed by human beings, if to live in a cosmic pattern in this mysterious universe. Actually, man has been given a variety of abilities to carve his fate in the eternal future, but on this, they are being skeptic. (Begum A'ishahBawany, 1997: 4).

The role of exercise in improving physical health, mental development, and character, became longer growing plays an important role. With the nation's sport, fragrance name can be improved. All countries try to improve the performance of the sport to be able to speak in sports games. Basic knowledge necessary for the support began coaching athletes. In countries that have advanced knowledge of the science of sports medicine has come to the athletes and not limited to the coach alone. By knowing what would happen if he did not really practice, then an athlete has been able to figure out how to accomplish that feat. (Begum A'ishahBawany, 1997: 5). With the understanding of the causes and effects of exercise and how to exercise it will



growwith the motivation and discipline to death so does not need to be applied. Athletes will practice earnestly because he was aware of the drop in performance when it is less practiced. Cycle coaching needs to be applied so that the interpretation of the maximum can be achieved. Without cycle training in coaching, a coach or athlete will not know the progress of the condition.

Muscles and use of energy is a very important factor in sports coaching special should receive attention from the coaches and athletes. All movement depends on muscle contraction. Running speed, agility, depending on the kind of muscle and muscle strength. Knowledge of the lungs, heart and blood vessels is a must due to the absorption of oxygen transport depends on the function of the heart and lungs. Sports achievement required for preparations for body condition such that sometimes the athletes have to practice to the extent of exhaustion. If this is not accompanied by understanding would be difficult to be implemented. In sports, the use of energy systems also vary. A coach and athlete should know the difference in the energy system or underlying knowledge that he did not hesitate to do so. Knowledge of food, beverage and food need by usability athletes, especially in sports athletes are divided into classes based on weight, so that a given food will not increase or decrease the weight. Drinking is also a very important factor. For a long running sport, need attention so that the appearance does not happen the things that are not desirable. (Begum A'ishahBawany, 1997: 6).

The government has long been aware of the usefulness of the sport, particularly in improving national security. There have been many suggestions and actions that lead to Exercise your community and popularize the sport in the advanced countries have reached this kind of condition. In 1961 Americans who exercise amounted to 50

million. In 1977 this number increased to 55 million. This indicates that a lot of people doing more than one sport. With the improvement of sports performance and to increase physical fitness or physical fitness, so many who want to know how the JV the body works, how the working mechanism of the body at the time of exer ise. (Soekarman R., 2005: 3).

Religion and sports of course closely related, both are interconnected, where religion is related to sports and sports related to religion. Both indirectly inseparable proven with relationship can be properties that exist in the sport based on religion, especially the religion of Islam. As the nature of honesty in play,, in Islam we are enjoined to always be honest too, then because our religion we are also taught to respect each other and each mengh0rmati individual sports. Here two things are to be balanced, exercise is good for health and with a healthy body, it is possible to worship better. Therefore, in addition to having a healthy body, one also needs to keep pace with a healthy spiritual state as well, which can be achieved with more closer to Allah SWT.

A person must be healthy physically and spiritually as well, because in running the activities of life God has given shape to the body and its functions perfectly and we can be grateful to always run the command and also keep the body well. Allah likes Muslims strong, in other words the Islamic religion encourages each of his followers to be strong. Strong spiritual, and physical. To get a strong spiritual, we pray. And to get a physical strong, we must exercise. We as human beings can only be sought, whereas all decisions determine God. So whatever we practice to achieve the desired target, if not balanced with prayer and worship everything will be in vain, we pray with all Insya Allah would definitely get blessed by



the gods or SWT. The relationship between sport and religion is about honesty and justice.

Religion teaches us to be honest and fair. In sporting events, the role of other religion is very important, as we pray before the match. In every sports game every uphold sportsmanship and honesty, because the purpose of the sport itself is humility in victory and solidarity in an athlete win defeat. When expected to lower themselves, and capable of stimulating the losing opponent. As it is always the simple nature of the apostle was never arrogant and always love every human being without having to look at the mankind status. As an athlete or professional referees are required for in living. In the play, for example, we must fairplay and sportsmanship. As well as the referee, we have to be fair and not to defend one of the group athlete. Then sports association and religion was very important to understand. In the exercise we were taught to be honest and fair as taught by our religion must always be honest and fair. In addition, the exercise we can be healthy physically and mentally as well as our mind becomes healthier and positive thinking.

Health is one of grace or favor given by God to his servant. Maintain health by way of exercise is a form of power and human effort in trying grateful and health gift god has given to us. In sporting events, the role of other religion is very important, as we pray before the match. In every sports game every athlete uphold sportsmanship and honesty, because the purpose of the sport itself is humility in victory and solidarity in an athlete win, when expected to lower themselves, and capable of stimulating the losing opponent. As is always the simple nature of the apostle was never arrogant and always love every human being without having to look at the mankind status. Sports can also teach you how to

compete in a fair (fair), how to strive or struggle to the fullest, how to congratulate the opponent when losing, and how to humility. It is a receive glory with behavior inherited by sportsman's ancestors. Children who are involved in healthy competition will quickly understand that involvement in sports is not to win by all means, but through the struggle to win by playing according to the maximum Traffic have in frame a set of rules that apply. When the game as it is, under the supervision of an adult who honestly and impartially, then the children are more interested in the play of win or defeat. Attention kids who play ball with persistent and ask what the score is! Most of them do not know what the score is when it is asked of them. The important thing that can come out of this event is that children who learn to play hard and honest (fair) will bring these values to the adult behavior. (SantosoGiriwijoyo and Dikdik Zafar Sidik, 2012: 84).

Based on the above, this research is oriented to the system of Is amic values that can be integrated in the field of sport in order to achieve understanding that exercise is related to the field of Islamic values. Specifically to athletes, coaches and referees are expected to do the moral messages in performing its duties. For example, the referee is expected to fight as a mediator in order to prevent discrimination in the match and the results achieved can be satisfactory to both parties without any partiality of the referee. Similarly to the ath etes, is expected to play an honest manner and avoid cheating in order to avoid chaos in the game. This is in line with the values that have always taught honesty and fairness. Starting from the above mentioned explanation, then necessary guidance and training in order to consolidate Islam faith and devotion to God Almighty for students' Aliyah Islamic school An-Nahdlah Makassar, in an effort to



fulfill a concrete solution to achieve the objectives of religion and get closer to God sWT.

Boarding An-Nahdlah is an object of study because it is very representative with title and discussion. Islamic School An-Nahdlah is one of the boarding schools located in the city of Makassar, which was founded by (late) AGH Muh. Harisah the United States and now developed by his son and daughter. In the study, the students are very enthusiastic following such material. Islamic school Modern Nahdlah that still teaches the subject matter by the method of taking from standard books published by the National ministry ofeducation and religious ministry. But do not forget the boarding traditional values in conducting such studies recitation yellow books at night between Maghrib and Isya'.

# 2. Correlation of Islamic values with sports

Religion and sports of course closely related, both are interconnected, where religion is related to sports and sports related to religion. Both indirectly inseparable relationship can be proven with properties that exist in the sport based on religion, especially the religion of Islam. As the nature of honesty in the play, in Islam we are enjoined to always be honest as well. And because we are religious we are also taught to each other and respect each other respect individual sports. Here two things are to be balanced, exercise is good for health and the healthy body, and also possible to worship better. Therefore, in addition to having a healthy body, one also needs to keep pace with a healthy spiritual state as well, which can be achieved with more closer to Allah SWT. A person must be healthy physically and spiritually as well, because in running the activities of life God has given shape to the body and its functions

perfectly and we can be grateful to always run the command and also keep the body well. Allah likes Muslims strong, in other words, Islam encouraged any of his people to be strong. Strong spiritual, and physical. To get a strong spiritual, we pray. And to get a physical strong, we must exercise.

We as human beings can only be sought, whereas all decisions determine God. So whatever, we practice to achieve the desired target, if not balanced with prayer and worship everything will be in vain, we pray with all Insya Allah will definitely get blessed by the gods or SWT. The relationship between sport and religion is about honesty and fairness. Religion teaches us to be honest and fair. In sporting events, the role of other religion is very important, as we pray before the match. Every athlete in every sport game also uphold sportsmanship and honesty, because the purpose of the sport itself is humility in victory and in defeat solidarity. If an athlete is expected to win games inferior, and capable of stimulating the losing opponent. As is always the simple nature of the apostle was never arrogant and always love every human being without having to look at the status of the person. As an athlete or professional referees are required for in living. In the play, for example, we must fair-play and sportsmanship. As well as the referee, we have to be fair and not to defend one of the group of players.

The principle of justice is defined by Islamic law has high value and is not the same as justice created by humans. Justice created by humans is far from transcendental values and prioritizes human beings as individuals. In contrast to justice formulated by Islamic law that put humans at a reasonable position as individuals and communities. Man is not a entral point, but as a servant of God, because the central point belongs only to Allah. The principle of



justice means that the implementation of Islamic law is based on honesty and compassion. With justice, community nurtured, well-balanced community that is used in various fields of life, the balance between the rights and obligations fulfillment, balance in obtaining resources and enjoy a decent life among fellow citizens, the balance in the community realize that and unseen. The principle of justice is the basis of equality before the law for all people. (Juhaya S, Praja, 1995:86).

The first source that ensures fairness in the rule of Islam is legal itself. Because Islamic law is not man-made or group so that could prejudice and fear tends to indulge the passions or contains an error so that the law cannot achieve justice. (Sayyid-Qutub, 1987: 97).

In every sports game every athlete also uphold sportsmanship and honesty, because the purpose of the sport itself is humility in victory and in defeat solidarity. If an athlete is expected to win games inferior, and capable of stimulating the losing opponent. The values sportsmanship in the sport are also taught in Islam. Ikhlas is the most fundamental teachings that must be possessed by humans. Qur'an Surah al-Bayyinah told to be sincere and straight. But in fact people are often unwilling to come by in the actions included in sports activities. Lose to win the game is a natural thing, but fewer JV is willing to accept defeat, the causes are not sincere. Ikhlas is a religiousawareness showing someone close relationship with God. Ikhlas is doing something just because you want to gain the pleasure of Allah not to Riya', while sincere in deed the charity of God and the fear of being watched him in every step and movement. (Khalid Mansur al-Mansur, 2001: 145). Another value of sportsmanship that should be owned by either an athlete is suspected (Husn al-Zhan) good thought is to

eliminate prejudice because it may be harmful. In daily life it becomes very important, because how much conflict and hostility even murder are simply because of prejudice. In the Sufi perspective, must be kind thought not only to fellow human beings but also to God. In addition, other properties must possess transparency. This word became very popular in the community. Openness not only in the political constellation, but also a moral imperative in religion. Similarly, in a sports game, openness is desirable. The attitude of selfishness is undesirable because it is very detrimental in a game. For example, in a football game, if only one player who always dribble, then it is almost certain to lose. This is due to the nature of one's own

### 3. Efforts to Achieve Emotional Intelligence

Spiritual intelligence is the intelligence to deal with issues of meaning, the intelligence puts the behavior and life in the context of a broader meaning and rich, the intelligence to assess that person's actions or way of life are meaningful than others. more emotional intelligence is an intelligence that focuses on a person's behavior in everyday life that could benefit from such behavior. (Ary Gina Agustian, 14). In the sports world, the technical term states assessment to see a person's emotional intelligence. Assessment state refers to the process that is fast and accurate in evaluating specific situations when it is in danger. Required state assessment in hazardous situations requires the presence of clear thinking and in-depth observation and the ability to understand and respond to the situation. Quickly Proficiency assess of the situation in a dangerous situation will be required to select and develop effective strategies to prevent crime. Relying on the skills and observing the situation are needed to collect



accurately and complete information to determine the best option in the face of a threatening situation. (Joan M. Nelson, 1997: 24). From a psychological standpoint, there are three reasons why a child can understand the sport, namely:

- a. Excitements the first reason that the children get to know the sport. If parents do not provide opportunities for children to have fun, then the kids will not know the sport actively. Children will bring along friends to play, learn how to play a sports game, a feel for howthe joy of hot toast, sweating, often even becoming dirty clothes are. Parents often have mistaken between obtaining victory to get joy. Winning in sports is a measure of success in adult life. whereas for children's success in sports is when they receive joy. In fact, win at all costs often sneak into the lane to get the excitement, so the game turned into a serious, not just for the excitement. Good coach will know how to motivate athletes-athletes to do the best, as much possible while enjoying excitement that can be obtained. (SantosoGiriwijoyo and Dikdik Zafar Sidik, 2012: 84).
- b. Deepen RelationshipSocialization is a huge value of sport. Sports provide an opportunity for young people to gather with peers being stimuli from the environment. The more exercising is getting more and also more friends. Friendship through sport is often a lifelong relationship. Children should be encouraged to be good friends with the members of his team and the opposing team members. Eating together as a small game, a lot more often provide an opportunity to get to know each other. This is where the spirit of the sport is easily found. After the game, the kids want to forget each other previously in

- the field of competition and should be encouraged to understand that their opponents are young people like themselves who want to get pleasure in the exercise. Obviously, opponent is playing friends to play as well as if there are no opponents to play the game itself cannot take place. Young, his friendship built through exercise, will produce the closest friendship. (SantosoGiriwijoyo and Dikdik Zafar Sidik, 2012: 85).
- c. Build Self-Esteem Very important benefit of exercise is to build selfesteem. Children mustgrow and develop physical, spiritual and social, sports and instrumental in developing the darting through positive self-image and selfconfidence. Should not be the child star of the team. Every of children who were fighting in the team will struggle feeling and presence of self-esteem. Target achievement of each child should realistic, because the goal of having it understood that they developed athletes. If children have difficulty adjusting to a team sport, like a football in which the child should be directed to individual sports such as swimming, cycling or badminton and others. (SantosoGiriwijoyo and Dikdik Zafar Sidik, 2012: 86).

### 4. Results and Discussion

The level ofstudents' understanding ofthe correlationvalues of Islamto thesporting realizingemotional intelligence. theresults of this studysuggested thatstudent's attention wasvery basicallyhighagainstIslamic religious education material correlation with exercising realizingemotional intelligence. So it canbe saidthat the students boarding AnunderstandIslamic NahdlahMakassarcan values with sport correlation, even students



canfind a description of the embodiment of emotional intelligence.

The impactof thecorrelation becomes values Islamto thesporting realizingemotional intelligence. The results of this studysuggested thatIslamic valuesare highly correlated with the sport, it can be seenfrom theathletes, coachesandreferees. Theymustperformtheir dutiesin good faith. Therefereemustdo a good jobwithoutpartiality to anyonethatthe gamecanrun well. In addition, the impactof thecorrelationvaluesof Islamwiththepsychology ofsportthatcan realizeemotional intelligence, in order inan honest, fair, tobehave behave. constancy. notarrogant, and others. Inprayerthere is amovementinsportand exerciseRihanimedically provento bringbenefitsto human health. Allah commanded all, certainlybring benefits tohuman beings, which canbe revealedornot. whichcan berationalizedeitherhumanor not. This isdue tothe limitations of humanreason and science. Included inthis caseis about the benefits ofprayer. The health benefitsof prayersthat have beenexpressed byexpertsonly fractionwisdom contained herein Prayersareperformedfivetimes and dailyimpacts of the healthinvestmentare large enough todo it. Prayer movement. ofTakbiruntilgreetings, havea tremendous goodforphysical health, mental, emotionalandevenspiritualbalance. Prayeris notonlybelieved tobe amajorpracticein the next, butthe prayer movements proportional to theanatomy of the human-body. Evenfroma standpoint, praverisa drugwarehouseofvarioustypes ofdiseases. Spiritualbenefits ofprayerarethe mostobvious isthe creation of an intimate relationshipbetween theservantswith God. Prayerswillbeindividuals beingspecial becauselight is shined to them. Thus, prayerisparticular prayerthathastwomajoreffects. First; individual influences. namelytheenforcementof prayeritwillbe near God. Second; social influence, whichhe or shewillbecome a personwhohas asense of responsibilitytowardssocietyandthe environment. The perpetrators ofprayerwillspread thegreetingsof safetyandpeace forthe surroundingashe had sworningrayer, when saying Greetingwilllead himtosalvation for thosewhospreadaround them. their environment, and eventheuniverse.

### 5. Conclusion

Prayer is a formal ritual in Islam. It has some rules, procedures exemplified by the Prophet. In prayer there are legal constraints. namely the mandatory requirement, the legitimated requirements, or pillars for prayer, Makruh things that can cancel it. In addition, prayer is also having an impact on human health, ranging from Takbiratul Ihram until the greeting ha a meaning role in the posture of prayer. Praying posture or movement is a string-a string of prayer in the prayer, so prayer is considered invalid or not said as a prayer in the absence of such stature. In praying, the postures not only for posture or movement, but it has meaning and health impacts arising from the prayer movement. Posture of prayer does not stand alone, but it is a unity that movement to be a perfect system. The health benefits behind the posture of prayer, prayer position not change as a liability into sports facilities. In addition, the posture of prayer also affect the health of the soul. Even emerging trend among psychologists in an attempt to cure mental illnesses through prayer posture.

After understanding the meaning and practice of prayer posture analysis related to the health aspects of the boarding students



Faqihulllmi Makassar, the authors convey the following advice:

- a. To the Islamic religious education teachers who teach the material can make the matter Jurisprudence, so prayer postures relation to health aspects as learning materials in boarding Faqihulilmi Jurisprudence.
- b. The method of learning with material related to the practice of praying posture can be applied in the health aspects of Islamic religious education, especially in the subject of jurisprudence.
- c. In order to support learning fiqh, then should be provided facilities and infrastructure, so that students can learn to be more active and more motivated in learning the practice of prayer posture. In addition, the student must utilize the time as best as possible to increase the practice of prayer posture that can easily practice also takes advantage of the posture of prayer.

### References

- 1. Al-Qur'an Al-Karim
- 2. Ahmad, Khursid (1996). *Alquran: Tentang Akidah dan Segala Amal Shaleh*.
  Cet. 1. Raja Grafindo Persada. Jakarta.
- 3. (1995). Islam, Sifat, Prinsip Dasar dan Jalan Menuju Kebenaran. Cet. 1. Raja Grafindo Persada.Jakarta.
- 4. Bawany, A'isyah, Begum (1974). *Mengenal Islam Selayang Pandang*. Cet. 1. Bumi Aksara. Jakarta.
- 5. Cook, Nikola (2012). Aku Berubah Maka Aku Sukses. Cet. Erlangga. Surabaya.
- 6. Darajat, Zakiyah (2000).*Ilmu Pendidikan Islam*. Cet. IV. Bumi Aksara. Jakarta.
  - Agama Islam. Cet. 1. Departemen Agama. Jakarta.

- 8. Giriwijoyo, Santoso dan Dikdik Zafar Sidik (2012).*Ilmu Kesehatan Olahraga*. Cet. 1.Remaja Rosdakarya. Bandung.
- 9. Hendarso, Joe (2002). Cara Terbaik Olahraga Lari. Cet. 2. Raja Garafindo Persada. Jakarta.
- 10.Husdarta, HJS (2012).*Manajemen Pendidikan Jasmani*. Cet. 1. Alfabeta. Bandung.
- 11.Ismail, Ilyas (1997).*Pintu-Pintu Kebaikan*. Cet. 1. Raja Grafindo Persada. Jakarta.
- 12.Al-Mansur, Mansur, Khalid (2001). Membentuk Manusia Berkualitas Intarksi dalam Islam. Cet. 1. Pustaka Azzam. Jakarta.
- 13.An-Nabhan, Taqiyuddin, SistemPemerintahan Islam: DoktrimSejarahdanRealitasEmpirik(199 6).Cet. 1.Bangil: al-Izzah.
- Nelson, M Joan (1997). Latihan Bela Diri Praktis. Cet. 1. Raja grafindo Persada. Jakarta.
- 15.Praja, Juhaya S (1995). *Filsafat Hukum Islam*. LPPM Universitas Islam h. 86.Bandung.
- 16.Sayyid Qutub (19 7).Islam dan Perdamaian Dunia. (et. 1. Pustaka firdaus h. 97.Jakarta.
- 17.Raya, Thib, Ahmad (an Siti Musda Mulia (2003).*Menyelar i Seluk Beluk Ibadah dalam Islam*. (et. 1. Kencana. Bogor.
- 18.Soryobrata, Sumadi (2003).*Psikologi Kepribadian*. Cet.2. Raja grafindo Persada.Jakarta.
- 19. Soekarman, R (2009). Clahraga Untuk Membina Pelatih dan Atlet. Cet. 1. Inti Idayu Press. Jakarta.