

INTERNATIONAL JOURNAL OF INNOVATIVE SCIENCE AND RESEARCH TECHNOLOGY

IJISRT A DIGITAL LIBRARY

ISSN NO : 2456-2165

ISSN No.: 2456-2165



International Journal of Innovative Science and Research Technology

Address:- sector-9,Rohini, Delhi.

Email :-editor@ijisrt.com

Web page :-www.ijisrt.com



Scientific Journal Impact Factor

CERTIFICATE OF INDEXING (SJIF 2020)

This certificate is awarded to

International Journal of Innovative Science and Research Technology
(ISSN: 2456-2165)

The Journal has been positively evaluated in the SJIF Journals Master List evaluation process
SJIF 2020 = 6.253

SJIF (A division of InnoSpace)



SJIFactor Project Manager
International Advisory Services
INNOSPACE INTERNATIONAL

International Journal of Innovative Science and Research Technology



English title:

International Journal of Innovative Science and Research Technology

ISSN:

2456-2165 (online)

GICID:

n/d

DOI:

n/d

Website:

<https://ijisrt.com/> (<https://ijisrt.com/>)

Publisher:

Hemant

Country:

IN

Language of publication:

EN

Deposited publications: 71 > Full text: 54% | Abstract: 100% | Keywords: 92% | References: 0%

[Issues and contents](#)

[Journal description \(\)](#)

[Details \(\)](#)

[Scientific profile \(\)](#)

[Editorial office \(\)](#)

As part of our website we use cookies to provide you with services at the highest level, including in a manner tailored to individual needs. Using the site without changing the settings for cookies results in saving them in your device. You can change cookies' settings any time you want in your web browser. More details in our Cookies Policy

[Publisher \(\)](#)

[Metrics \(\)](#)

This open journal is exceptionally specific which ~~Covers~~ all the points that speak to a wide readership of different branches of science, engineering and other related fields. The IJISRT has numerous advantages all intended towards reinforcing research abilities and propelling academic careers. Academic career advancement is highly influenced by Research Paper Publication. We ease the scientific research publishing in different branches of M Tech such as Mechanical, Computer Science, Information Technology, Electrical and Electronics & Communication by facilitating our authors with high class information, exposure and innovative tools thus enhancing their productivity and ability to take important decisions.

⚠ (https://indexcopernicus.com/index.php/en/parametrisation-1/journals-master/predatory-journals-en)
Transparency Warning!

Citations

Reports 2010-2019

n/d - Number of journal citations

Included auto-citations - n/d

Main page (http://indexcopernicus.com)

© Index Copernicus 2017



As part of our website we use cookies to provide you with services at the highest level , including in a manner tailored to individual needs . Using the site without changing the settings for cookies results in saving them in your device . You can change cookies' settings any time you want in your web browser. More details in our Cookies Policy

(<https://www.ijisrt.com/submit-manuscript>)

International Journal of Innovative Science and Research Technology is an open access peer-reviewed international forum for scientists and engineers involved in research to publish high quality and refereed papers. Papers reporting original research or extended versions of already published conference/journal papers are all welcome. Papers for publication are selected through peer review to ensure originality, relevance, and readability. The journal ensures a wide indexing policy to make published papers highly visible to the scientific community.

IJSRT is a highly-selective journal, covering topics that appeal to a broad readership of various branches of engineering, science and related fields. The IJSRT has many benefits all geared toward strengthening research skills and advancing academic careers. Journal publications are a vital part of academic career advancement.

We help our authors in advance engineering research in different branches like Computer Science, Electronics & Communication, Electrical Engineering, Mechanical Engineering and Information Technology etc. and in science fields by providing world-class information and innovative tools that help them make critical decisions, enhance productivity and improve outcomes.

Why IJSRT

- IJSRT is indexed in Google Scholar, Index Copernicus, Slideshare, Scribd, Academia, Research Gate and many more
- IJSRT is an International, Peer reviewed, Open Access Journal
- Paper publishing process is relatively fast and easy
- IJSRT provides individual eCertificate to each author
- Open access journal database for high visibility and promotion of your articles
- Authors can submit the papers at any time by online submission
- Paper will publish immediately in current issue after registration
- IJSRT accepts original and high-quality research and technical papers
- Authors can download their full-length paper at any time
- Author's queries shall be resolved within 24 hours of time

SJIF Impact Factor : 6.253 (<https://www.ijisrt.com/sjif-impact-factor-certificate>)

OUR INDEXING PARTNERS



(<https://www.ijisrt.com/submit-manuscript>)

Manish Gupta (IJISRTREW100)

| Assistant professor | ECE Dept.| VIT jaipur | Rajasthan | India

Hemant Purohit (IJISRTREW77)

| Professor & HOD ECE dept.| JIET | Jodhpur | Rajasthan | India

Jai Prakash Mishra (IJISRTREW13)

| Assistant Professor| ECE Dept.| VIT Jaipur | Rajasthan |India

Harsh Gupta (IJISRTREW02)

| Micro Electronics Dept. | Manipal University | Jaipur | Rajasthan | India

Diwakar Gautam (IJISRTREW05)

| Assistant professor | ECE Dept. | Sharda University

Tarun Badiwal (IJISRTREW09)

| Assistant Professor | Electrical Dept. | Jaggannath University | Jaipur | Rajasthan | India

Virendra Swami (IJISRTREW105)

| Assistant Professor | ECE Dept. | Maharshi Arvind college| Jaipur |Rajasthan | India

Nishant Chauhan (IJISRTREW79)

| Assistant Professor | Electrical Dept. | Mahershi Arvind College| Jaipur |
Rajasthan | India

Prince Ja.cob (IJISRTREW91)

| Assistant Professor | Electrical Dept. | Mahershi Arvind College| Jaipur | Rajasthan | India

Dr.S.Saira Banu (IJISRTREW10)

| Associate Professor | ECE Dept. | Karpagam University| Coimbatore | Tamil Nadu | India

Balaji Velusamy (IJISRTREW500)



| Associate Professor | Info Institute of Engineering| Coimbatore | Tamil Nadu | India

Lalit Mohan Nainwal (IJISRTREW501)

|School of Pharmaceutical Sciences and Research| Jamia Hamdard| Delhi | India

Bais Nirav Kishorkumar (IJISRTREW502)

|Assistant Professor|Ganpat University-Institute of Technology| Ahmedabad| Gujarat | India

Raj Kumar Gupta (IJISRTREW503)

|Assistant Professor|Amity University| Jaipur| Rajasthan | India

Dr. Neeta Saxena (IJISRTREW504)

|Assistant Professor|Amity University| Gwalior| Madhya Pradesh | India

Dr. Nageswara Rao Moparthy (IJISRTREW505)

|Associate Professor| Velgapudi Ramakrishna Siddhartha Engineering College| Vijayawada | Andhra Pradesh | India

R. Narendran (IJISRTREW506)

|Faculty of Marine Sciences| Annamalai University| Parangipettai | Tamil Nadu | India

Mahadeva.M (IJISRTREW507)

|Assistant Professor| Shri Pillappa College of Engineering | Bangalore| Karnataka| India

Dr. Richa Mehrotra (IJISRTREW508)

|Assistant Professor| Amity University | Bangalore| Uttar Pradesh | India

Dr. Chetan. S. Patali. (IJISRTREW509)

|Principal | Dhanush Institute of Nursing, Behind Durga Vihar | Bagalkot | India

Suvarna S Pinnapati (IJISRTREW510)

| Vice Principal | Dhanush Institute of Nursing Sciences | Bagalkot | India

Nugzar Aleksidze (IJISRTREW511)

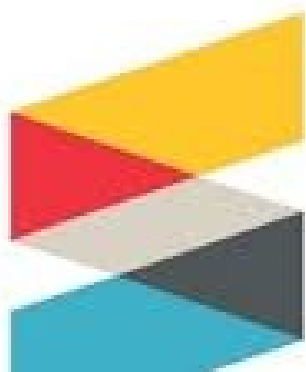
| Professor of the Chair of Biochemistry and Biotechnology of Iv. Javakhishvili Tbilisi State University
|Georgia|



**To get complete Reviewer list contact us at :-
editor@ijisrt.com (<http://editor@ijisrt.com>)**

SJIF Impact Factor : 6.253 (<https://www.ijisrt.com/sjif-impact-factor-certificate>)

OUR INDEXING PARTNERS



Crossref

10.38124/IJISRT

(<https://search.crossref.org/?q=10.38124%2FIJISRT>)



(https://scholar.google.co.in/citations?hl=en&user=3lOf9FEAAAAJ&view_op=list_works&gmla=AJsN-F7PuToINtoVaFbTFJPQ6c2bB9d4j331TN4PrPK-rTwOO0l6UK9r0-MH4cH_MbNjwVIAexZQK9l6PBHVeBm0lUhfXHoibJCRcf55mgH33ODb-Aoq4BE4kfXnrM6kFbNSgJL4ZUZ)



(<https://ijisrt.com/submit-manuscript>)

Peer Reviewed Academic Journal

IJISRT offers **Peer-Reviewed Academic Journal** where you can choose journals and articles. Peer-Reviewed Journal is composed of specialists and investigated by a few different specialists in the field before the article is distributed in the diary so as to guarantee the article's quality. (The article is bound to be experimentally substantial, arrive at sensible resolutions, and so on.) In many cases, the commentators don't have a clue who the writer of the article is with the goal that the article succeeds or bombs alone legitimacy, not the notoriety of the master. Peer-reviewed journal has an article leading body of subject specialists who audit and assess submitted articles before tolerating them for distribution. A diary might be an academic diary however not a companion evaluated diary.

A **peer-reviewed academic journal** is distributed in a friend surveyed diary simply after it has been exposed to various evaluates by researchers in that field. Friend looked into diaries to pursue this strategy to ensure that distributed articles reflect strong grant and propel the condition of information in order.

These articles present the best and most legitimate data that orders bring to the table. Additionally, through the cautious utilization of references, a companion looked into the article permits any individual who peruses it to analyze the bases of the cases made in the article. Friend explored articles lead to numerous articles in a chain of data.

One disadvantage to the companion audit process is that articles may not show up for a couple of years after they are composed. Therefore they are not the best sources to look for hot, news-driven subjects.

Peer-Reviewed Academic Journal Process

- An article board requests that subject specialists audit and assess submitted articles before tolerating them for distribution in an insightful diary.
- Entries are assessed utilizing criteria including the greatness, curiosity, and importance of the exploration of thoughts.
- Academic diaries utilize this procedure to secure and keep up the nature of the material they distribute.
- Individuals from the particle board are recorded close to the start of every diary issue.

There are a few reasons to select IJISRT for **peer-reviewed academic journals**. Right off the bat, you can't expect paper production locales to take as much time as is needed to experience your examination paper. IJISRT guarantees to react when the group completes the process of experiencing your paper. Our online research paper accommodation is accomplished for us, you should simply sit back on your chair and unwind, as our group approaches to experience each and every piece of your exploration paper. Aside from valuing your work, our group guarantees to make its very own proposals, it required.

Furthermore, dismissal is the greatest dread for analysts and understudies. A large portion of the paper production locales dismiss a few research papers, yet it doesn't do that. It discovers each conceivable method to distribute your examination paper and on the off chance that it is worth space, we ensure it gets what it merits.

SJIF Impact Factor : 6.253 (<https://ijisrt.com/sjif-impact-factor-certificate>)

Indexing



(<https://search.crossref.org/?q=10.38124%2FIJISRT>)



([https://scholar.google.co.in/citations?](https://scholar.google.co.in/citations?hl=en&user=3lOf9FEAAAAJ&view_op=list_works&gmla=AJsN-F7PuToINtoVaFbTFjPQ6c2bB9d4j331TN4PrPK-rTwOO0l6UK9r0-MH4cH_MbNjwVIAexZQK9l6PBHVeBm0lUhfAXHoibJCRcf55mgH330Db-Aoq4BE4kfXnrM6kFbNSgJL4ZUZ)

[hl=en&user=3lOf9FEAAAAJ&view_op=list_works&gmla=AJsN-F7PuToINtoVaFbTFjPQ6c2bB9d4j331TN4PrPK-rTwOO0l6UK9r0-MH4cH_MbNjwVIAexZQK9l6PBHVeBm0lUhfAXHoibJCRcf55mgH330Db-Aoq4BE4kfXnrM6kFbNSgJL4ZUZ](https://scholar.google.co.in/citations?hl=en&user=3lOf9FEAAAAJ&view_op=list_works&gmla=AJsN-F7PuToINtoVaFbTFjPQ6c2bB9d4j331TN4PrPK-rTwOO0l6UK9r0-MH4cH_MbNjwVIAexZQK9l6PBHVeBm0lUhfAXHoibJCRcf55mgH330Db-Aoq4BE4kfXnrM6kFbNSgJL4ZUZ))



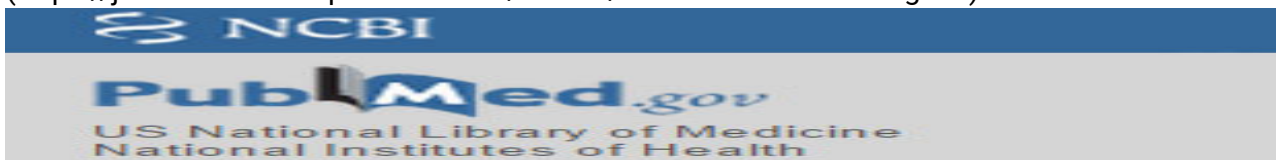
(<https://independent.academia.edu/DigitalLibraryIJISRT>)



(<https://www.scribd.com/user/316283926/International-Journal-of-Innovative-Science-and-Research-Technology>)



(<https://journals.indexcopernicus.com/search/details?id=48046&lang=en>)



(<https://www.ncbi.nlm.nih.gov/sites/myncbi/1dSU7jQlv2ZQa/bibliography/53938450/public/?sort=date&direction=ascending>)



INTERNATIONAL
Scientific Indexing

(<https://isindexing.com/isi/>)

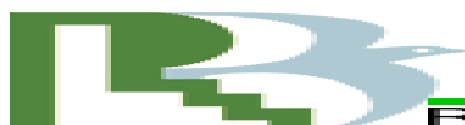
ESJI Eurasian
Scientific
Journal
Index
www.ESJIndex.org

(<http://esjindex.org/search.php?id=2335>)



TOGETHER WE REACH THE GOAL

(<http://sjifactor.com/passport.php?id=19085>)



Academic
Resource
Index

ResearchBib



(<http://journalseeker.researchbib.com/view/issn/2456-2165>)



INTERNATIONAL
STANDARD
SERIAL
NUMBER

(<http://journalseeker.researchbib.com/view/issn/2456-2165>)



(<http://olddrji.lbp.world/JournalProfile.aspx?jid=2456-2165>)



(<http://www.i2or.com/8.html>)



issuu™

(<https://issuu.com/internationaljournalofinnovativesci>)

International Journal of Innovative Science and Research Technology

Address:- 11/197, 3rd floor, Bhrigu path, Mansarovar, Jaipur, Rajasthan, India-302020

Email :- editor@ijisrt.com (mailto:editor@ijisrt.com), query.ijisrt@gmail.com (mailto:query.ijisrt@gmail.com)

Web page :- www.ijisrt.com (http://ijisrt.com/)

+91-6377651106

*For any Query or Questioning please Follow Given Email Id or Questioning / Query Form / Online Chat Support. **Contact number will not use for any Questioning and Query.***

DOWNLOADS



Certificate Hardcopy Form (<https://www.ijisrt.com/assets/upload/Certificates-Form.docx>)

Copyright Agreement Form (<https://www.ijisrt.com/assets/upload/IJISRT-Copyright-Agreement-Form.doc>)

IJISRT Paper Temp (https://www.ijisrt.com/assets/upload/ijisrt_paper-temp.doc)

IJISRT Manuscript Template (https://www.ijisrt.com/assets/upload/ijisrt_paper-temp.doc)

USEFUL LINKS

What is Peer Review (<https://www.ijisrt.com/peer-reviews>)

Publishing Ethics (<https://www.ijisrt.com/publishing-ethics>)

FAQ (<https://www.ijisrt.com/faq>)

IJISRT DOI (<https://www.ijisrt.com/doi>)

OUR POLICIES

Refund & Cancellation Policies (<https://www.ijisrt.com/refund-cancellation-policy>)

Privacy Policy (<https://www.ijisrt.com/privacy-policy>)

Volume 5 - 2020, Issue 4 – April

The Reaction towards the Performance of Non-Educative Employee viewed from Leadership Style and Work Discipline Variables at Paramadina University

Author Name : Mohamad Sajili

The Evolution of Digital Transformations: A Literature Review

Author Name : Justin Goldston

The Benefits of Application of Lebak Kita Application to Reach a Smart City of Lebak Regency

Author Name : Enjang Pera Irawan, Muhammad Saifullah

Food Technology Management Practices and Clientele Satisfaction of Food Establishments in Surigao City

Author Name : Quintina D. Gono

Lake Banks Right Management and Utilization Model

Author Name : Nirwan Junus

Designing of Load Response Generation Synchronized 15MW Hydropower Station and Simulation Based Electromechanical and Structural Analysis

Author Name : H.D.Milan Ravinath Perera

Geotechnical Characterization of Biochar-Based Biocover

Author Name : Taiwo, Ridwan Ademola

Plant Health Monitoring and Chemical Spraying Robot

Author Name : B.Abhishek Reddy, B. Sai Srija, Raghuvaran Sharma, Ch. Rohini, D. Sandhya, Mrs. P.Sravani

Antibiotics: Friend or Foe

Author Name : Tanuj

Zinc Oxide Nanoparticles Biosynthesis using Leptadenia hastata Leaf Extracts and their Potential as Antimicrobial Agents

Author Name : Isaac John Umaru, Hauwa A. Umaru, Kerenhappuch I. Umaru

Remote-Controlled Digital Electronics Trainer Board (RCDET)

Author Name : Vincent Mulwa, Mutwiri Joseph, Joshua M. Mwema, Antony Gitonga

Comparative Study of Artificial Fodder Production (Hydroponic) and its Benefits

Author Name : Mukul Barwant, Komal Barwant

Whoever Controls the Media Controls the Mind Role of Media Technology, its Operation in Gathering Political Influence

Author Name : Ghurni Bhattacharya

Implementation and Analysis of a Computerised Vehicle License Registration System

Author Name : Ihedioha Uchechi. M" Onyedeke, obinna C" Uzor Blessing Chimezie"
Agubata, Immaculate Chidinma

Effect of Job Characteristics and Motivation on Employee Job Satisfaction of PT. Bank State Savings (Persero) Branch Office Malang - Indonesia

Author Name : Farah Adiba

The Influence of Work Motivation and Organizational Culture on Employee Performance at PT. Taspen (Persero) Malang Branch Office

Author Name : Farah Adiba

The Effect of Social Entrepreneurship on Organizational Learning, Partnerships, Competitive Advantages and Business Performance (Study on Small Scale Enterprises in Creative Industries Oriented in DKI Jakarta Province)

Author Name : Catur Susanto, Dr. H. Taher Alhabsyi, Dr. Wilopo, Yusri Abdillah.

Comparision of Accommodative Facility and Assessment of Tearfilm Before & After 6 - 7 Hrs of Usage of Digital Screen

Author Name : Nishad Begum A P, Sachitanand Singh

A Study on Impact of Non-Performing Assets on Profitability of Public and Private Sector Banks

Author Name : Krupal A Chaudhari, Dr. Taral M Patel

Analysis of Reward, Work Environment, Job Promotion And Supporting Facilities Towards Job Satisfaction

Author Name : Widy Hastuty HS, Nasib, Maya Syahlina, Srie Hartati, Ballian

Estimating the Determinants of Unemployment in Sudan by Applying the Philips Curve Using the E GARCH Model during the Period 1990-2018

Author Name : Almahdi Musa Attahir Musa, Tarig Adam Balla Abd Allah

An Exploratory Study of Criminology Students' Perception to Relative Deprivation in Using Social Media Sites

Author Name : Jamaica Kim Lopez Mabanglo

Financial Liberalization and Economic Growth in Nigeria (1986-2018)

Author Name : ILUGBUSI, Segun. B; AJALA, Rosemary B; AKINDEJOYE, John A; OGUNDELE, Abiodun

Dupont Analysis for the Financial Performance of Trading, Service & Investment Companies in Indonesia

Author Name : Citra Shahniah, Endri Endri

Use of Google Forms for Ludic Learning The Experience in the Computer Science Fundamentals Course

Author Name : Irene Hernandez Ruiz, Kerly Gomez Toaza

Hypothesis: Advanced Biotechnological Treatment Approaches Against SARS-CoV-2 (COVID-19)

Author Name : Farmanli Orkhan, Uysal Melike, Ayhan Yunus Emre, Gokdemir Cihan, Donmez Omer Faruk, Bastug Samet, Parlak Murat, Uckun Ilknur, Jafarov Alemdar, Pamuk Ibrahim, Farmanli Kubra, Karatas Ihsan

Speaking System for Mute People Using Raspberry-PI

Author Name : Dr. K N Nagesh, A. Sai Teja Reddy, K. Veerendranath, N. Pranay Reddy, N. Sarath Kumar

2DCrypt: Image Scaling and Cropping Without Physical Interface

Author Name : Sudhakara Reddy M, Sindhuja M, Sireesha K, Tejaswini M, Geethika R V

A Study on Employee Attrition Rate in One of the Multispeciality Hospital in Bangalore

Author Name : Dr.V.Uma, S. Monishwar

The Health of Gashaka Gumti National Park using SWOT Analysis

Author Name : Kanati Madaki, Tonga Ak Noweg, Alexender Kiew Anak Sayok, Wong Swee Kiong, Isaac John Umaru

Research Measurement Profile of Surface Revolution By Laser Scan Micrometer Method

Author Name : Le Xuan Cam, Nguyen Van Vinh, Hoang Hong Hai

Application of Electrical Resistivity Method in Delineating Brine Contaminated Aquifer in Abakpa Area, Lower Benue Trough, Nigeria

Author Name : Akiang, F. B." George, A. M." Ibeneme, S. I. "Agoha, C. C.

Influence of Age and Gender on the Quantification of Uropathogens Via Streak Plate Technique in Urine Subjects from University of Medical Sciences Teaching Hospital Complex, Akure, Nigeria

Author Name : Bayode, M. Tosin" Olalemi, A. Oluwasogo" Oladejo, B. Olawale" Bodunrinde, R. Ebunoluwa" Gabriel, P. Oladimeji" Oladapo, O. Daniel" Adebisi, O. Omowumi" Okunade, A. Stephen" Adesanya, J. Abiola" Bayode, E. Oluwafemi

Identity Orientation Dimensions as Correlates of Cyber-Aggressive Behaviour among Undergraduates

Author Name : Nwokedi blessing chidimma

Asynchronous Interview Analysis

Author Name : Pratik Satpute, Rohan Nair, Vaibhav Pathak, Priyanka Bhilare

Applying ATC FEMA P-58 Approach and Nonlinear History Analysis to Estimate Economic and Social Losses due Earthquake for Reinforced Concrete Building in Iraq

Author Name : Ali Majdi, Ali Majdi

Effectiveness of Giving Functional Food of Combination of Rice Bran and Soybean on Blood Cholesterol Levels Dislipidemic Sufferers in Aceh Besar District, Indonesia

Author Name : Silvia Wagustina, Andriani, Arnisam, Siti Zulfah

Finance of Panchayati Raj Institution: A Rural Self Governance Body

Author Name : Rohit Munjral

Prescription Audit of Cardiac Drugs in Cardiac Outpatient: A Prospective Study

Author Name : Dr. Gautam Prasad Chaudhary, Mukesh Kumar Chaudhary, Dr.Mohammed Mustafa, Manisha Adhikari, Pankaj Kumar Sah, Suruchi Devkota, Umesh Kumar Yadav

Floating Drug Delivery System: A Review

Author Name : Ghare A, Gondkar S, Bachhav R

Development of Science Learning Management Model to Inquiry Integration for Improving Achievement of Secondary Education in 12th Grade Students at Chumphaesuksa School, Thailand

Author Name : Saichon Chatthai, Pornchai Jedaman

The Educational Development of Autistic Students

Author Name : Gabriel Frazao Silva Pedrosa

Highly Efficient Synthesis of α,α -Bis- (substituted-benzylidene) Cycloalkanones using HBF₄-SiO₂ under Solvent-Free Conditions

Author Name : Dr. Shrikant S. Gawande

A Rare Manifestation of Typhoid Fever Hepatitis and Acute Kidney Injury: Case Report

Author Name : Arnab Choudhury, Biju R, Yegade Walmik Shrihari

Effect of Motivation and Compensation on Organizational Commitment at PT XYZ

Author Name : Adi Saputra

Antibiotics Susceptibility Pattern of Bacterial Isolates from Selected Boreholes and Hand-dug Wells Water in Senior Staff Quarters, Obafemi Awolowo University, Ile-Ife, Nigeria

Author Name : K. T. Ayeni, I. E. Ofoezie, A. O. Oluduro

City Community Interest in Staying at Homestay of the Rural Tourism in Indonesia

Author Name : Surya Fadjar Boediman, Lestari Ningrum

Optimal Experimental Designs for Functional Neuroimaging Studies using Gaussian Process

Author Name : Amani Alrumayh

Deciphering COVID-19: A Review on Efforts of Life Science in Sustaining Life

Author Name : Sourav Kumar Das, Sarthak Sahoo, Priyanka Samantaray

An Approach to Communication Models in Portuguese Public and Private Organizations

Author Name : Ana Matias, Luis Cardoso

Railway Track Crack Detection Using GPS and GSM

Author Name : Nanda Kishore, Ruhejadhav J, Aishwarya K S V, Pallavi M

Songs Recommender System using Machine Learning Algorithm: SVD Algorithm

Author Name : B.Srikanth, V.Nagalakshmi

Adsorption and Separation of Mercury (II) on Synthetic Two Component Ion Exchange Material

Author Name : S.D.Ajagekar

Digital Technologies and Relation with Changing Entrepreneurial Finance Landscape

Author Name : Sourav Mondal

Developing Model of Mathematic Instructional for Enhancing Sustainability Analysis Thinking and Achievement of Secondary Education in 10th Grade Students

Author Name : Chatuporn Chitmat, Pornchai Jedaman, Benjapuk Jongmuanwai

Knowledge and Practices Related to the Quality of Life of Patients with Chronic-Degenerative Conditions

Author Name : Guillermo Del Solar Villareal, Ivett Reyes Guillen

The Effect of Employee Retention, Rotation of Work, Working Environment and Working Spirit to Employee Performance with Intention Turnover as The Intervening Variables

Author Name : Yudi Prayoga, Raja Saol Marto Hendry, Hayanuddin Safri, Meisa Fitri Nasution, Aziddin Harahap

Civilizing the Love of the Sea through Learning

Author Name : Darju Prasetya, S.Pd.M.Si

Intelligent System Determines The Nutritional Needs Of Pregnant and Nursing Mothers Using Forward Chaining and Certainty Factor

Author Name : Muhammad Amin, Muhammad Syahputra Novelan, Chairul Rizal

Microbiology of Used Lipstick Products

Author Name : V. N. Anakwenze, M. O. Ikediaso, B. A. Ilodinso

Diabetes Predictor System using Machine Learning Algorithms over Live Cloud Infrastructure

Author Name : Deeksha K, Amrutha M, Harshitha, Ashwini Gotyal, Dr.M. Kusuma

The Impact of Sphenocentrum jollyanum, Baphia natida and Combined Extract Consumption on Reproductive Indices and Antioxidants Gene of Male Wistar Rats

Author Name : Wopara, Iheanyichukwu" Mobisson, Samuel Kelechi" Olusegun, G. Adebayo

**Holistic Approach to the Effectiveness of Leadership in Higher Education:
Theoretical Study**

Author Name : Sivar Ali

Financial Statement Analysis: Evidence from Indonesian Bank BUKU IV

Author Name : Fifin Firdaus, Endri Endri

Characterization of Powder Obtained from Surface of Waste-Plastic Bricks

Author Name : Rutticka Kedare

**Cloud Computing and Security: The Security Mechanism and Pillars of ERPs on
Cloud Technology**

Author Name : Musoni Wilson, MBANZABUGABO, Muhire Leonce

COVID-19: A Deadly Pandemic

Author Name : Patsey Sera Castelino

**Influence of Different Environment on the Tribological Behavior of Molybdenum
Disulfide MoS₂**

Author Name : H.S. Bui

**Knowledge Regarding Birth Spacing Methods of Contraception among Postnatal
Mothers in PGIMS, Rohtak, Haryana**

Author Name : Kumari Sunita, Rani Reena, Rani Deepika

**Implementation of Criminal Sanctions against Members of the Electoral Commission
of Elections in Indonesia**

Author Name : Abdul Jabar, Sri Endah Wahyuningsih

Derivation of Value of Root Over 2 across Ages

Author Name : Kanta Prasad Sinha

Web Application of Attendance and Result System

Author Name : Pavan G V

**Drug Utilization Trend of Psychotropic Drugs in the Psychiatric Out-patient
Department of Crimson Hospital, Rupandehi**

Author Name : Manju KC, Dr. Mohammad Mustafa, Dr. Gautam Prasad Chaudhary,
Bikram Shrestha, Purushottam Yadav

**Analysis of Financial Performance of Plantation SubSector Companies Listed on the
Indonesia Stock Exchange for the 2014-2019 Period**

Author Name : Novri Eka Rinaldo, Endri Endri

**Assessment of Defect in Building Services Equipment in Tertiary Institutions Across
Lagos Megacity, Nigeria**

Author Name : Ogungbemi Abel Olayinka

**Blockchain Technology as a Health and Safety Contributor in the Transport and
Logistics Industry – Human Resource Requirements**

Author Name : Richard Skiba

Weaving Teaching and Leading: A Systematic Literature Review on Pedagogical Leadership Contributions

Author Name : Manuel E.Caingcoy

Test the Effect of Some Methods of Breaking the Dormancy on the Germination and Growth of Johnson Grass Seed (*Sorghum halepense* (L.) Pers.)

Author Name : Muhammad AL SAKRAN, Kamal Almhemed, Sena DAL, Tamer USTUNER

Fauna of Mallikarjun and Santoshgiri Hills, Sangli District, Maharashtra, India

Author Name : Saurabh Atul Kininge, Kedar Jayadev Dhepe, Sandeep Sampatrav Patil,

Computerized Healthcare System Embedded with Machine Learning

Author Name : Amal S, Athira Lagi, Thomas Kuruvilla, Leya Elizabeth Sunny

Exploring the Influential Factors of Online Consumer Shopping Habits and Intention in GCC Special Reference to Kingdom of Bahrain

Data Protection from Policy to Practice

Author Name : Dr. Fernando Wangila

Data Privacy: Governance of the Hidden Dimension

Author Name : Dr. Fernando Wangila

Online Hall Allocation System (OHAS) for Improved Examination Center Scheduling

Author Name : Onyedeké, Obinna, C" Ihedioha Uchechi. M" Uzo Blessing C" Agubata, Immaculate C" Obidigbo Chinonso

Oil Rate Design and Control System for Wells using Microcontroller

Author Name : Adeboye Olatunbosun, Engr" Awani Kester

Does Service Quality Affect Customer Loyalty with Customer Satisfaction as an Intervening Variable : Case Study at PT Bank Tabungan Negara (Persero) Tbk. Sub Branch Office Bintara Bekasi

Author Name : Andika Dewa, Sri Wahyuni

Development of Information App for Alert on Financial Matters

Author Name : Snega.S, Swetha Tharini S,Tania Simon, Dr.B.Vinodhini, Dr.T.Kalaikumaran

Development Teaching With Constructive Approach to Improve Student Learning Results of Class IV

Author Name : M. Indra Patmoko, Aminuddin Kasdi, Mustaji

Design and Development of the Fault Tolerance Software for the OBC Subsystem of STUDSAT

Effect of Market Orientation on Learning Orientation to Reach Competitive Advantage Rural Credit Banks in East Java Province - Indonesia

Author Name : Tri Marhaeni Widiastuti, Dr.Taher Alhabsji, Dr. Suharyono,MA, Dr.Zaiunul Arifin,MS

Effect of Dietary Fats on Goat Rumen Condition

Author Name : Niel L. Ningal

Teaching the Cybersecurity Courses at the University in Georgia

Author Name : Girshel Chokhanelidze, Giorgi Basilaia

Litho-structural Interconnections and Deformation histories of the Tullu Dimtu Neoproterozoic Basements, Western Ethiopia

Author Name : Diriba Alemayehu

Screening and Isolation of Fungal Pathogens Alternaria solani and Fusarium oxysporium

Author Name : Nilesh Lavhate, Mukul Barwant

Quality Assessment of Hurdle Preserved Onion Puree (HPOP) as a Convenience Product: A Preliminary Investigation

Author Name : E.I. Oluwasola, A.L. Ahmad

The Practice of the Nursing Professional in Child Development

Author Name : Gabriel Frazao Silva Pedrosa, Lidiane Andréia Assunção Barros

Quasi Experimental Study to Assess the Effectiveness of Beetroot Juice on Serum Iron, CBC & Clinical Features among Adolescent Girls with IDA in Selected Areas of DNH

Author Name : Priya Sharma, Hetal Patel, Amar A. Mulla, Sujeeta Malik

An Effective System to Forecast Environmental Pollution using Air Quality Index

Author Name : Mohammad Ishaque Ali, K. Yasudha

Digital Notice Board with Real Time Clock

Author Name : Bhavya V, Harsha Vardhan, A Charan, Lokesh B G, Nischal R

Role of Librarian in NAAC Beyond Librarianship for Better Visibility

Author Name : Dr Suresh Jange

Spatiotemporal Population Dynamics Based on a Location Survey in Taal Volcano Island, Philippines

Author Name : Leslie Jamie C. Cobar, Novie Lyn Saladar

Stress and Deflection Analysis of Cantilever Beam by Numerically

Author Name : Daw Thanda Aye, Daw Aye Myint Thwe

A Study on Investment Preference by the People in Lucknow City, India

Author Name : Aishwarya Lakhmani, Ekansh Choudhary, Voona Srikar

Development of a Monitoring, Evaluation, Accountability and Learning Framework for Early Warning System for Landslides

Author Name : Leslie Jamie C. Cobar, Roy Albert N. Kaimo, Roger S. Savella, Arturo S. Daag

Analysis of Perceived Organizational Support in Moderating Relationship of Employee Readiness to Employee Commitments in Change Organizations in Regional Companies

Author Name : Indawati Lestari, Andry Roy PS, Emilia Embun Sar, Syahrani Devi, Zulhamdani Napitupulu

Digital Village in Eye Decentralization: Half-Hearted Implementation of Technology

Author Name : Wiwit Yuhita Effendi

Caring for the Poor and the Less Privilege: An Inhibition to an Eventual War (Nigeria as a Case Study)

Author Name : Ignatius Nnaemeka Onwuatiegwu

A Review Paper on Fire Resistance Properties of Bacteria Induced Concrete

Author Name : Nikhil T R, Chaithra D, Dr. B C Shanthappa, Dr. S M Gopinath, Dr. M R Prakash

Mathematical Literacy Capabilities through the Marsudirini Elementary School Problem Based Learning Method, Matraman, Jakarta Timur 2019

Author Name : Cicilia Titik Widayati, Tjipto Sumadi, Yetti Supriyati

Main Species of siluriformes from the Flooded Fields of the Maranhão Plain with Zootechnical Potential

Author Name : Matheus Menezes Martins, Joabe Lima Araújo, Elson Rodrigues dos Reis, Gabrielle Sacchi Bezerra Lima, Francisco Pereira da Silva Neto, Rogério Ribeiro, Victória Esther Terrinha Luz, Claudemir Martins Soares

Effect of Moderate-Intensity Aerobic Exercise on Efficiency of Sleep, Quality of Life, and Mental State in Insomniac Young Adults

Author Name : Dr.B. Sujatha Baskaran, Dr. Jagatheesan Alagesan, A.Brite Saghaya Rayna

Formulation of Herbal Mosquito Repellent from Laurus nobilis, Ocimum sanctum, Azadirachta indica

Author Name : Megha.T Salve, Ganesh.B Parkhe, ,Tejas.S Sonawane, Nandkishor.R Rajanka

Effect of Seed Tuber Size and Fertilizer Mixture on the Growth and Yield of Tiger Nut (Cyperus esculentus L.) in Mubi Adamawa State Nigeria

Author Name : Timon D, Yusuf C.S, Batta K, Zakawa N.N, Waja S, Cletus L

BRIGUNA Credit Distribution at PT Bank Rakyat Indonesia (Persero) Tbk Kramat Jati Branch Office

Author Name : Fitri Malisna, Diana Anugrah Prastiw

Cloud Service Android Model for Safe Trips Using NFC

Author Name : Bhargavsai Chitta, Veeravenkatesh Chandragiri, G. Meeragandhi

Automated Toll Collection System

Author Name : Harish V, S.Md. Shakeel Ahammed, Y. Siva Dinesh Kumar Reddy, S. Ravi Kishor, S. Maneendra

Water Quality Status of Main Temple Tanks in Kumbakonam City, Thanjavur District, Tamil Nadu

Author Name : Rakesh Sharma, T.; Kavitha, K.K.

Effectiveness of Structure Teaching Programme on Practice Regarding Prevention of Breast Engorgement among Postnatal Mothers in Haryana

Author Name : Kumari Sunita, Rani Deepika

Overview of Environmental Management in Petroleum Refineries: Case Study of SO_x and NO_x Air Pollutants

Author Name : Rilwan Omogbolahan Anjorin, Sheyin Israel Amos

Allelic Polymorphism of Insulin Like Growth Factor 1 Gene and its Effect on Growth Performance of FUNAAB Alpha Chickens

Author Name : Ojoawo H.T; Ogunpaimo O. J; Ilori B. M, Wheto, M; Adeleke, M. A.; Adebambo, A. O.; Adebambo, O. A.

Clinical Profile and Validity of PRISM III among Children Admitted in a PICU Over One Year

Author Name : A K Simalti, Badal Parikh, Pramod Garg

Activated Carbon – A Textile Material

Author Name : Aiswarya V Mohan, Dr. D Bhaarathidhurai

Design and Implementation of Quadcopter for Surveillance Application

Author Name : Dr. Nagesh K N, Shaik Altaf, M. Kiran mayee, Siddaram jagadi, D Vaishnavi

Deformation Resistance of Plastic Asphalt Mixture on Various Temperatures in Field

Author Name : Agung Beriyadi, Melawaty Agustien, Joni Arliansyah

Competitive Strategy Analysis of Logistics Companies PT XYZ

Author Name : Emiria Rieza Garnette, Dudi Permana

Study on Structural, Morphological and Optical Characterization of Lithium Tetraborate Nanoparticles by High Energy Ball Milling

Author Name : Neetu Rathore, Asita Kulshreshtha, Rajesh Kumar Shukla

Nutritional Woes in a Pandemic: A Developing Country's Perspective

Author Name : Donnette Wright, Kadiann Hewitt-Thompson

How are Children Coping with the COVID-19 Pandemic? A Developing Country Perspective

Author Name : Kadiann Hewitt-Thompson, Donnette Wright

Big Push Theory to Reduce Fiscal Deficit

Author Name : Diptarghya Bhattacharjee

Robotic-Assisted Laparoscopy: THE DA VINCI ® ROBOT General Principles

Author Name : Dr Mohammed LAHFAOUI, Pr Mohammed Boughaleb, Pr Houssine Benhaddou

Innovation in Medical Practice, Interests and Challenges

Author Name : Dr Mohammed LAHFAOUI, Pr Mohammed Boughaleb, Pr Houssine Benhaddou

Reconstructive Medicine and 3d Bio-Printing, What Future?

Author Name : Dr Mohammed LAHFAOUI, Pr Mohammed Boughaleb, Pr Houssine Benhaddou

Effect of Population, GDP and Levels of Literacy on Unemployment

Author Name : Roshni Batra, Pranav Kapoor

A Study of Work Life Balance in Woman Employees Strategies for Sustainability in Information Technology Sectors

Author Name : PRAVEEN P T, PAVITHRA S

A Mathematical Model for Forest Growth

Author Name : Dr Rashmi Chaudhary; Dr. A.K. Yadav; Dr. S.S Tomar; Dr. Sushil Kumar

IOTI Basedi Smarti Surveillancei Roboti fori Industriali Application

Author Name : Dr. P. K.Sasikumar, N.Rimanika, B.Rameethasri, R.Suryakala, S.Subangisureshpattel

Improving Service Quality Creative Advertising Industry with the PDCA Method (Case of PT Kharisma Advertising)

Author Name : Novita Damayanti, Rosalendro Eddy Nugroho

The Influence of Diameter and Spacing between Helix on the Bearing Capacity of Helical Pile

Author Name : Ghina Amalia, Maulid M. Iqbal, Ratna Dewi

A Review on Mechanisms of Turbulence Generation in Solar Corona

Author Name : Prachi Sharma, R. P. Sharma

Optimizing the Use of Government Assets: A Case Study in the Regional Government of East Java Province

Author Name : Nurbaiti Isnaini, H UJIAN TO, Indrawati Yuhertiana

Prediction of Employee Turnover Using Light GBM Algorithm

Author Name : Rajat Keshri, Dr. Srividya P

Assessment of Clinical Characteristics in Chronic Kidney Disease Patients

Author Name : P. Keerthana, Syed Mubasheer Mohiuddin, B. Srijan, Dr. CH. Pradeep Kumar, Dr. V. Nikhil Kumar

The Effect of Instagram Engagement to Purchase Intention and Consumers' Luxury Value Perception as the mediator in the Skylounge Restaurant

Author Name : Rizka Amelia, Syarif Hidayatullah

Military Surveillance Robot

Author Name : L Jyoti, Mahesh Totad, R. Naveen Kumar Reddy, Mahindhar Remata, Vinay A

A General Perspective on Overlapping of Right to Privacy and Information Technology

Author Name : Arpit Vihan, Bhawna

Deos Casleman,s Disease Affect the Breast ? Case Report in Middle Age Women

Author Name : Ghada Seifeldin,

Intelligent Tutor for Teaching Service Station Mechanics in Technical Colleges in Lagos State

Author Name : Nwahunanya, I; Asogwa, U. U; Nwaji, G. N; Attah, O. K; Ogbonna, I. J

Suture Materials in Dentistry

Author Name : Dr. Vamsee Krishna N, Dr. Jasmitha C, Dr. Madhuri Nadhamuni, Dr. Dattaprasad S

Effect of Participation in Cooperative Society on SMES Activities of Members in Mubi Metropolis, Adamawa State, Nigeria

Author Name : GARANDI, I. D. , HASSAN, S. T.

Mould Flow Analysis of a Plastic Injection Moulding Component Using Software Tool to Obtain a Quality Output

Author Name : Sowrabh Kugunavar, L.G. Sannamani

Modelling Nigeria Population Growth: A Trend Analysis Approach

Author Name : Olanrewaju S.O, Olafioye S.O, Oguntade E.S

A Mathematical Model for a Novel Corona Virus Disease

Author Name : Dr. A.K. Yadav, Dr. Sushil Kumar, C.S. Yadav, Dr H.P.S Chauhan

Use of Latex as a Renewable and Sustainable Asphalt Mixture Material

Author Name : Ardi Virgo Nino Putra, Melawaty Agustien, Edi Kadarsa

Impact of Chromium on Chlorophyll Content of Weed Plants: A Comparative Study

Author Name : Nirmalkumar, S; Kavitha, K.K

Effect of Heat Source on Magnetohydrodynamic Free Convection Through a Channel With a Wall Having Periodic Temperature

Author Name : Achogo, Wisdom Hezekiah, Okereke, Ifeoma Chikamma, Ofomata, Amarachukwu I.O, Eleonu Blessing Chikaodi

Moses Leadership Transition - A Moses Leadership Transition Model - A Successful Succession Management Model

Author Name : Yohanes Parapat, Erastus Sabdon, Madya Andreas Agus Wurjanto

The Reactions over Employees Performance Viewed from Work Environment, Discipline, and Leadership variables at Directorate General Development of Rural Areas of the Ministry of Village, Regional Development and Transmigration

Author Name : Abdul Hamid, Setyo Riyanto

An Efficient Approach for Credit Card Fraud Detection

Author Name : Rajeev Kumar, Rajesh Budihul

Citrus Stem Cuttings Growth Lime (Citrus Aurantifolia S) by Soaking Shallot Extract

Author Name : Kamsia Dorliana, Yudi Triyanto, Astria, Widya Lestari

Impact of Education and Occupation on YouTube Advertising Videos

Author Name : Obada Alorfahli

Pakistanis in Italy and their Motivations Choosing Italy as their Destination Country

Author Name : Zeeshan Mukhtar

Perceived Problems on the Library Information Resources for Research among Graduate Students in Higher Education of Southern Mindanao, Philippines: It's Contribution to Academic Library Profiling

Author Name : EDWIN M. PUHAGAN

Mesh Network for Precision Agriculture in the Northern Part of Cameroon

Author Name : Vournone Marcelin, Ngakawa Taya, Senoua Cesar, Zannouba Nassourou

Development of a Story-Designed on Story Book C to Improve Reading Comprehension Skills at Second Grade Student in Elementary School

Author Name : Dede Elisa, Kisyani Laksono, Hendratno

Phytopathology and Diagnosis using Deep Learning

Author Name : Mayur S. Shinde, Tejas H. Kenjale

Smart Accident Notification System using GPS-Module and GSM-Module

Author Name : Dr. Basavaraj G.M, Jeevan Shetty, Dikshith B.K, Karthik S, Devraja

Classification of Genetic Mutation using Machine Learning

Author Name : Karan A. Solanki, Sonali A. Shinde, Anish N. Shelte

Modified Ranking Engine

Author Name : Rashi Goel, Jessica Spencer, Avani Jain , Baldivya Mitra

Effect of Non-Revenue Water on the General Functioning of the Water Utility in Doka District of Kaduna North LGA, Kaduna State, Nigeria

Author Name : Ajoge, H, N.; Muhammad, M.N.; Akhadelor, M.O., Zayyanu, A.S

Family and Work Related Stress, Social Support and Stress Interventions by Nurses among Factory Workers in Selected Industries in Osun State. Nigeria

Author Name : Omolola O. Irinoye, Tinuke Abimbola Oyedeji

Design and Development of Heat Exchanger for Solar Water Heater (SWH) Using Zeolite

Author Name : S.Arunkumar, B.Guruprasad

Influence Analysis of Product Quality and Brand Trust against Customer Satisfaction and Impact on Customer Loyalty Wardah Brand Cosmetics in Jabotabek

Author Name : Ajeng Syarifah, M. Mukti Ali

Pursuing Robot for Assisting Senior Citizen and Physically Challenged

Author Name : Sunil Kumar B S, Vandana K, T M Vidyashree, Akshay M, Rajamani V

Relationship Pattern in Community Empowerment through Family Empowerment Post (Posdaya) (Posdaya Pesantren Rakyat Al-Amin, Sumberpucung Village, Malang Regency)

Author Name : Andri Meiriki, Ety Rahayu, Risna Resnawaty

Antimicrobial and Synergistic Potentials of Xylopia Aethiopica (UDA) and Occimum Gratissimum (Nchanwu) Leaf Extracts

Author Name : Emeh, Amara. A., Anyanwu, Gladys O., Onyeulor, Prisca N., Chimereze, Nwamaka C. and Abba-Father, Chinyere A.M.

Operation Sequence and Production Technologies in Intimate Apparels

Author Name : Aiswarya V Mohan, S Praveena

Objectification and Deification of Images: A Spiritual Interrogation of Cultural Motifs in Yoruba Theatre Performance

Author Name : Ayodele, Vincent Adesina.

Planning Proposals for Eco Village Development of Chikani Village Sangamner

Author Name : Kokate Megha D., Satpute Pravin C.

Geographic Information Database Systems to Operation Applicative of Efficiency Community Business Entrepreneurs in Nakhonratchasima Province, Thailand

Author Name : Puannguluan, K; Neankratok, S.; Prachai, S.; Jongmuanwai, B.; Jedaman, P.

Microcontroller based Smart Crop Protection System to Detect Fire and Animals

Author Name : Premjyoti G Patil, B. Pavan, B. Praveen Kumar, B. Siva Sai Reddy, M. Sandeep Kumar

Mobile Security Metrics

Author Name : Drd. Ioan Adascalitei

The Effect of Individual Characteristics, Competence on Job Satisfaction and Employee Performance of IKM Batik in Pamekasan

Author Name : Farid Firmansyah, Ida Aju Brahmasari, Ida Aju Brahma Ratih

Scientific Paper on Sedimentation Challenges in Hydro-Power Storage Projects (Reservoir) and it's Mitigation Measures

Author Name : Tejaswi Sharma

Live Streaming of Agriculture Market Statistics to the Remote Village Areas Using Amateur Radio

Author Name : Dr. H.Venkatesh Kumar, K. VENKATA MOHAN REDDY, B. SAMARASIMHA REDDY, K. NIRANJAN REDDY, K. YASWANTH KUMAR REDDY

Text to Speech Conversion for Visually Impaired People

Author Name : Anjaly Siby, Anisha P Emmanuel, Chikku Lawrance, Jain Mariya Jayan, Prof. Kishore Sebastian

Factors associated with the Nutritional Status of Older Adults in Azogues – Ecuador

Author Name : Rosa Elvira Minchala Urgiles, Maria de los Angeles Estrella Gonzalez, Pedro C. Martinez Suarez, Andres Alexis Ramirez-Coronel

The Influence of Job Stress on Job Satisfaction among Female Lecturers

Author Name : Sara Oshaghi Lashkariani, Saeid Motevalli

Non Governmental Organisations as Agents of Women Empowerment: The Case of Development Education Center (DEC) in Enugu State, Nigeria

Author Name : Onugu Charles Uchenna, Gbughemobi B.O, Chinwuba Onyinye Lovina, Obiekwe N.J

A Mini Review on Toxic Substance in Building Paint

Author Name : Siti Nabilah Amir, Razali Ismail

Research and Practice on Agile Development Method for Teaching with Lego Blocks

Author Name : Ming Zhu, Kang Du, Jing Li

Perceptions and Response of Residents, Horse Guides and Tourists on Sudden Volcanic Disasters: Taal Volcano, Philippines

Author Name : Leslie Jamie C. Cobar

Awareness on Sudden Volcanic Eruptions through Infographics

Author Name : Leslie Jamie C. Cobar

Evaluation of Signal Times and Comparison with Queueing Models at Signalized Intersections in Urban Area

Author Name : Fatih Gunes, Selim Bayraklı, Abdul Halim Zaim

Real Time and Accurate Face Detection Application using Convolutional Neural Network Algorithm

Author Name : P. M. S. Bhargav Kumar, K.Yasudha

Drug – Disease Association for Drug Repositioning Using Machine Learning

Author Name : Jishnu Raj R, Sherin K R, Neelima philopaul, Shilji Rajan, Ambill M P, Deepthi K

Content Based Image Retrieval Using Faster RCNN

Author Name : Navyashree. B.C, Aditi Ravichandra

Investigation of Egg Shell and Alumina Reinforced with Magnesium Matrix Composite

Author Name : L.Subash, U.Natarajan

A Study on Water Absorbing Road by Pervious Concrete

Author Name : Ashish Kumar Kanoujia, Hanumant Sharan Singh

Role of Bound Lexemes in Limbu Religious Scripture Mundhum

Author Name : Mohan Kumar Tumbahang

Bidirectional Dictionary Based Machine Translation for Wolaytegna-Amharic by Java

Author Name : Temesgen Mengistu Helana

Development of Instructional Materials Based SETS (Science, Environment, Technology and Society) to Improve Participation and Learning Result Grade Sixth Elementary School in Electrical Energy Materials

Author Name : Miftakhul Huddin, Prabowo, Wahono Widowo

Segmentation of Bones Using MRI

Author Name : Abhishek Kumar K, Nagaraja Hebbar N, Jaison Dsouza, Kavya, Manoja Kumara

Comparative Evaluation of Socket Sield and Immediate Implant Placement

Author Name : Dr. Lia Mathew, Dr. Nandini Manjunath, Dr. Anagha N P, Dr. Arya Ashok

Application of Information and Technology in Supply Chain Management of Fruits and Vegetables – A Brief Overview

Author Name : Mahesh Shanmugasundaram, Rajendran Chellaiah, Om Prakash Chauhan, Jayathilakan Kizhekkedath

The State of Mathematics Education at the Senior High School Level in the Sekondi-Takoradi Metropolis

Author Name : Christopher Yarkwah; Daniel Gbormittah

Inventory Management Effect on Profitability of the Food and Beverages Sector of Nigeria

Author Name : Bingilar Paymaster Frank, Sawyerr, Egberipou Ayaundu, Willy Nelson Ogoja

Application of Statistical Quality Control on the Production of Long Span Aluminum Roofing Sheet Produced by Spring Aluminum Nigeria Ltd

Author Name : Ajewole K.P., Osunronbi F.A., Raji I.I.

Learning Management Training District Integrated Services in Improving Government Services to the Community by the District

Author Name : Supriyanto, Rustono, Fakhruddin, Titi Prihatin

Effect of Capital Structure on Dividend Pay-Out Ratio of Public Listed Commercial Banks in Kenya

Author Name : Paul Mulongo Webi, Dr. Lucy Njogu

Effect of Bank Liquidity on Financing of Small and Medium Scale Enterprises by Selected Banks

Author Name : ILUGBUSI, Bamidele Segun, IBUKUN, Felix Olusegun, OGUNDELE, Abiodun Thomas

Mechanical Behaviour of Aramid and Glass Fibre Reinforced Polyester Resin Composite

Author Name : G. Dhanasekar, P. Prema

New Bari Wheat Cultivars: Evaluation of Processing and Nutrition Value

Author Name : Mst. Meherunnahar, Md. Mozammel Hoque, Mohammed Abdus Satter, Faridul Islam

Cataloguer the Driver behind the Scene of Information Access and Retrieval in a Global Society

Author Name : Bitrus N. Umar, Akpan, A. E, Olorunfemi, Emmanuel, A

Drugs Abuse among Youth in Maiduguri, Borno State, Nigeria

Author Name : Baba Gana Alimi, Bintu Kachalla Galadima, Ahmed Garba, Hassan Suleiman

Causes and Implications of Prostitution among Young Girls in Maiduguri, Borno State, Nigeria

Author Name : Bintu Kachalla Galadima, Baba Gana Alimi, Ahmed Garba, Hassan Suleiman

Lake Banks Right Management and Utilization Model

Nirwan Junus

Faculty of Law Universitas Negeri Gorontalo

Abstract:- This study was aimed at analyzing the utilization of land rights for the community land in the bank of Limboto Lake, Gorontalo, as stipulated by the Law. The study also attempted to design the model for management and utilization of rights for the community land within the Limboto Lake bank in Gorontalo. This study is specifically targeted at the empowerment of the community who live in the embankment of Limboto Lake through familiarization of Lake-related regulations and Zonation of the Limboto Lake, which consists of the outer area of the lake and the lake bank. The data collected through interviews and questionnaire distribution, which later analyzed qualitatively. This study reveals that the utilization of community land rights in Limboto Lake Bank is for residential areas and farming areas. Further, in relation to the management model of the community land rights in the bank of Limboto Lake, the government has issued a number of policies, including the Presidential Decree No. 32 of 1990 on Management of Conservation Area; Local Regulation No. 1 of 2008 on Limboto Lake Management; Land and Spatial Planning Regulation of Provincial and Regency/City; Local Regulation on Watershed Management; approaches for community to release their land rights; Limboto Lake revitalization task force; and drafts a Zonation regulation on Limboto Lake utilization which consists of primary, secondary, and tertiary zones.

Keywords:- Model, Management, Utilization, Land Rights, Limboto Lake Bank.

I. INTRODUCTION

Land is used to fulfill man's basic rights. The importance of land's function relates to human rights, which has become more important since the reformation era, which signifies by the issuance of Law No. 39 of 1999 on Human Rights. The importance of rights to live, to survive, and to improve welfare (Article 9 (1)) needs land availability to fulfill the rights toward welfare, such as ownership of the land by an individual or communal (Maria S. W. Sumardjono, 2008).

Land utilization by the community in Limboto Lake is one of the reasons for the disappearance of native vegetation and the destruction of the wetland ecosystem. Thus the lake is no longer able to slow down sedimentation brought by the river flow. This has degraded the condition

of Limboto Lake. The lake area had shrunk from 14 meters deep and 9000 Ha in 1939 to 2 m deep and 2900 ha in 2003 (Balihristi Gorontalo).

The tendency of the community in the surrounding lake area to utilize the lake as one of the livelihood sources for fishing and claiming the land rights for the lake area has made the lake banks area to be owned by individuals. Due to this claim, governance on the utilization of land rights by the community in the Limboto Lake banks needed to be done in order for the ownership of the land not to be dominated by certain groups or individuals. This governance is to avoid unfair land utilization and ownership. Thus, synergy among stakeholders on ownership and utilization of the land in the lake banks are needed. This synergy brings about a need for land governance. Land governance is management, ownership, and utilization of the land through consolidation of land utilization through co-management with stakeholders as an integral unit for the benefit of the land and the community at large. Implementation of this land use consolidation through institutional governance should observe the land use policy, the Government Regulation (hereinafter will be referred to as PP) No. 6 of 2004 on Land Use Management.

This study is aimed at analyzing the exercise of land rights by the community in the Limboto Lake banks of Gorontalo province according to the observed law, and finding out the governance model of land rights utilization by the community in the Limboto Lake Banks of Gorontalo province.

II. METHOD

This is a sociological judicial study. The research site is the Limboto Lake banks in Gorontalo province. This site is chosen do to the majority of its people whose livelihood depends on the Lake, thus, claiming the Limboto Lake banks area as their ownership.

The population in this study is the stakeholders from Limboto, Limboto Barat, Telaga, Telaga Biru, Batu Daa, and Kota Barat sub-districts, the National Land Agency (BPN) of Gorontalo Regency, the BPN of Gorontalo province, the Provincial Development Planning Agency (BAPPEDA), Watershed Management of Gorontalo Regency, and the community groups in Limboto Lake banks. The data from this study were analyzed qualitatively.

III. RESULTS AND DISCUSSION

A. Land Rights Utilization by the Community in the Area of Limboto Lake Banks of Gorontalo Province from the Perspective of the Law

Land is a gift from God (Heru Sutrisno, 2013). In general, land can be classified into two large groups, land rights, and state land. The land rights are land owned through certain rights according to the observed regulations, whereas state land is area that is not owned by individuals or certain groups according to the observed law (Ali, Ahmad Chomzah, 2002). The utilization of land, in general, is part of land rights. Land rights are the right given to the right's holder to utilize or to take benefit from the owned land.

Land use or spatial use needs to be developed as stipulated in Article 1 (1) of PP No. 16 of 2004 on Land Use Management, where it stated that "Land use management is similar to ownership and utilization of the

land, in which land use is consolidated through institutional governance related to the land use as a united system for the fair interest of the people." In other words, land use is one of the manifestations of land-use governance for the benefit of the community (PP No. 16 of 2004 on Land Use Management).

The banks area is identic with sediment that was brought in by erosion. The sedimentation is a geological recycle through putrefying, eroding, and transporting of the stones that often followed by the decrease and transporting of the foundation of the sediment by the geological forces (Nirwan Junus)

Limboto Lake is an important element of the hydro ecosystem in Gorontalo. Currently, the Lake is used as a livelihood place for people in its surrounding area. Many people's livelihood depends on the existence of this lake. Thus, many have built residential areas in the banks of this lake, as shown in Fig. 1 below.



Fig 1:- People's Residential area in the Banks of Limboto Lake

Ownership of the land in the lake banks has happened for generations. This was due to the desire to obtain lands for free (the result of an interview with the people). Aside from residence purposes, lake banks are also utilized for agricultural purposes. Ideally, the lake bank area should not be used for residence or farming as it would degrade the lake function.

Lake utilization as a farming area and residence area are against the law. Within the Constitution, UUD 1945 Article 33, it is insisted that the land, water, and all its resources are managed by the State and used largely for the prosperity of the people (Article 33 (3) of UUD 1945). In article 2 of Land Basic Act No. 5 of 1960, which is an implementing regulation for article 33 (3) of UUD 1945, the ownership right of the state is defined as follow:

- On the basis of Article 33 (3) of UUD 1945 and things as mentioned in Article 1, land, water, air space, and natural resources within at the highest level are owned by the state as a power organization by all people.
- The rights of the state to own, as mentioned in this 1st clause of this Article authorizes to:

- Regulate and implement designation, utilization, provision, and maintenance of the land, water, and air space.
- Determine and regulate the legal relationship between people and the land, water, and air space.
- Determine and regulate the legal relationship between people and legal actions on land, water, and air space.
- The authority that comes from the rights to own by the state as stated in the second clause of this Article used to achieve the people's welfare at large in the sense that state's welfare, freedom within the community and legal state of independence Indonesia, sovereign, fair, and prosper. (Article 2 UU PA No. 5 of 1960)

Based on Article 2 of UU PA and its description, according to the concept of UU PA, the sense 'dominated' by the state is not in the sense of 'owned' (Budi Harsono, 2008). In a sense that the state regulates the occupancy and utilization of the land in order for the occupancy and utilization of the land by the community does not overlap with each other, such as what happened in the banks of Limboto lake, where people in the surrounding area or the

local community have claimed their lots of the land in the banks of Limboto lake as theirs. The land in the Limboto lake banks is not theirs, but rather the states.

The existence of government regulation, especially related to the lake, has legitimated the state, in this sense, the government in relation to the domination or utilization of the land in the banks of Limboto Lake. However, in reality, some of the community members have had the ownership certificate of the Limboto Lake banks. Hence, the government and the National Land Agency are contradictory in this case. In addition, utilization of land rights by the community on the banks of Limboto Lake is against the Article 23 (2) of Provincial Government Regulation No. 1 of 2008 on The Management of Limboto Lake, where it stated that “each person, group, and/or legal entity is prohibited from establishing or renovating the building in the banks area unless the purpose is for rehabilitation and conservation of the Lake”. (Article 23 Provincial Government Regulation of Gorontalo No. 1 of 2008)

Through the ownership of the land in the lake banks, has legally changed the structure of the lake. Hence, the width of the lake will be limited up to the land owned by people, as stated in Presidential Decree (hereinafter will be referred to as Kepres) no. 32 of 1990 on Management of the Conserved Area Article 18 which states that “the criteria of the area surrounding the lake/dam is the land along the lake/dam banks, which width are proportional to the shape and physical condition of the lake/dam between 50 – 100 meters from the highest tide to the land”. (Kepres No. 32 of 1990). This means that the limit of 50 to 100

meters is the protected or conserved area that should be protected to maintain and preserve the function of the lake itself. Based on the interview with Mr. Supriandi K. Tine that when the ownership by the community surrounding the lake is more than 100 meters from the lake area than that individual or community has rights to obtain land ownership certificate (interview result). However, this is contradictory with the local government who regulates that the lake banks that are more than 100 m from the lake area shall not be owned or divided into lots to be owned by the community (FGD Result). The national program issued by the government at that time was a certificate for the establishment of wetland rice field. However, the community considered this as their ownership. Nevertheless, the provincial government considers the community, not as the owner of the land, rather they have the land use rights toward the land, and the land cannot be sold. (*Ibid*).

B. Management model and utilization of the land rights of the community in the banks of Limboto Lake of Gorontalo Province

Utilization of the lake area into a residential area is a wrong view, as they build houses and residence without first consulting with the observed regulations. This is against the law. In reality, the Limboto Lake has been severely degraded, which signifies by the shallow of the lake, the shrinking of the lake, and the degradation of its biodiversity. The lake had shrunk in both its depth and its width. Currently, the lake depth is only ± 2 M, and the width is 2900 Ha (interview result). This is evident in the following Figure:



Fig 2:- Current Condition of the Limboto Lake

From the picture above, it is clear that the current condition of the lake is endangered. Thus, its management and utilization need legal certainty and clarity of responsibility among stakeholders in order for the utilization and management of the lake to be efficient and effective. One of the local, provincial government efforts in this is by the issuance of a taskforce to buyback the land as stipulated in Governor Decree (SK Gubernur) No. 2007 of 2003 on the Establishment of a committee to buy back the

land and resettlement of people in the area of Limboto-Bolango-Bone. Within this decree, the governor assigned the team to:

- Make an inventory of the problems related to the revitalization of the Limboto-Bolango-Bone.
- Make programs/activities to revitalize the area.
- Carry out socialization program or activity within the community in the area of Limboto-Bolango-Bone or related units as program/activity managers.

- Buy the land in the area of development or resettlement location.
- Provide education to the community that would be resettled or on those who already settled in the new settlement (Previous study by Nirwan Junus).

In addition to SK Governor of Gorontalo No. 207 of 2003 on buyback of the land, in 2008, the local government had done an initial step to save the Limboto Lake by issuing the Provincial Regulation No. 1 of 2008 on Management of the Limboto Lake. In addition, various studies on the Limboto Lake were carried out by JICA (Japan), CIDA (Canada), through the cooperation of the Provincial Government with other parties.

Looking at the current condition of the Lake, the central government has declared Limboto Lake as part of the Strategic National Area. Considering the problems related to the utilization of Limboto Lake by the community, it is difficult to do an inventory of the community who reside in the banks of Limboto Lake. This was due to the communities who have resided in that area for generations without legal consent from the government (Result of FGD). In addition, the number of land certificate holders was unidentified. Thus, the government, especially the Provincial Development Planning Agency, establishes a working group for Limboto Lake revitalization by opening

up an integrated post for identification of land certificate in Limboto Lake. The establishment of this working group has enabled the government to obtain data on the land certificate by announcing it through media and socialize to the community, especially the community that resides in the banks of Limboto Lake. The owners of the certificate are urged to hand over the copy of their certificate to the BAPPEDA provincial office to find out the number of land certificates in the Limboto Lake banks (Interview Result). In addition, the provincial government has also established a task force. This task force consists of officers from Districts and city levels to solve problems related to the lake, especially the riverbanks occupancy by the community. This is stipulated by the Perda No. 1 of 2008 on Limboto Lake Management, in Article 6 “prevention of the lake destruction is made by creating and implementing the regulation, observing, controlling, and enforcing law toward activities that are potential to destroy the lake.” (Perda No. 1 of 2008 on Limboto Lake Management, Article 6).

In addition to the shrinking of the lake, the Limboto Lake also facing degradation of the water quality, where among this water quality degradation is that the surface of the lake is now covered by the water hyacinth as shown in the picture below:



Fig 3:- Distribution of Water Hyacinth

From the picture above, it is clear that water hyacinth is a floating plant. However, its growth and distribution have been so massive that it reduces the water quality in the lake. This type of plant can accelerate the shrinking of the lake, swamp/dam, a competitor to the rice paddy plants, obstruct the water transportation, and as habitat to the disease vector and reduce the water esthetic (Limboto Lake Profile, 2009). These negative impacts of the water hyacinth needed serious management of this type of plant.

Considering this fact, a legal product is needed to solve the lake problem. The efforts implemented by the

Provincial Government in the utilization of the lake are by drafting the coordinates for the boundary of the community-owned land in the Limboto Lake Banks (*Ibid*). Perda No. 1 of 2008, in Article 7 (1), it is stated that the utilization of the lake is carried out by establishing the lake zonation, in which Limboto Lake is the outlet for five large rivers in Gorontalo regency. Those five rivers are Alopohu, Meluopo Bionga, Marisa, and Rintenga. Within these rivers, there are also \pm 23 river inlets for Limboto Lake. In addition, the rainwater is also the source of water for Limboto Lake, which falls directly to the lake surface and underground water, as shown in the picture below:

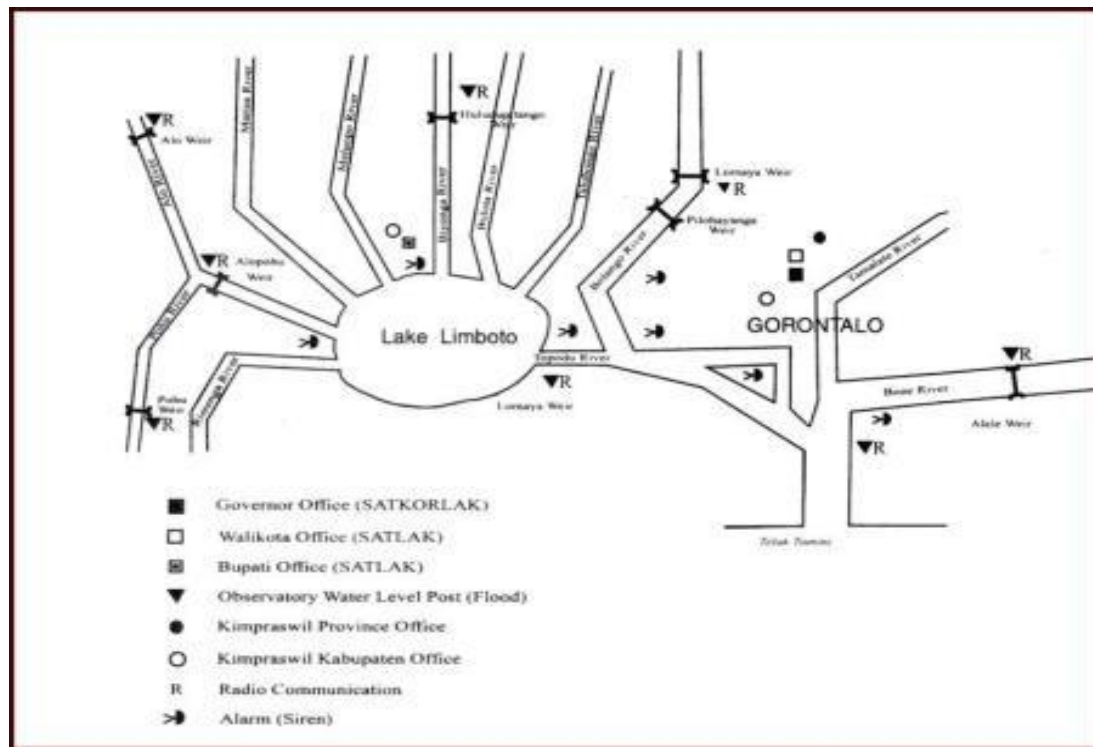


Fig 4:- Inlets Map of Limboto Lake

From the picture above, it is known that the Limboto Lake has an important role, as it is a flood dam in the rain season and water reservoir during the dry season, where the main rivers carry the sediments into the lake. Thus, good management of the Limboto Lake can only be implemented when there is a clear and accurate description of the zonation of the lake for those various purposes. The clear zonation is related to the outer boundary of the lake and the lake bank, utilization zone/cultivation/fishing area, conservation zone/protected zone. Due to the important functions of this lake for a human being, the programs carry out by the provincial government is to manage the Limboto Lake Area by establishing the Zonation of the Limboto Lake.

Within the draft of the zonation regulation, the Lake zone is divided into three areas: (the result of interview)

➤ Primary Zone

The primary zone is the zone where water is still evident, even during the dry season. This means that the primary zone is the zone that will never dry regardless of the dry season.

➤ Secondary Zone

A secondary zone is a dry area during the dry season, but when the rainy season comes, the lake area would be filled with water. This zone is determined based on the height of the sea level, ± 4.8 m above the sea level. It means

that during the raise of the water by ± 4.8 m, the highest area in this swamp is the embankment. The embankment is not a boundary; rather it is the flood breaker from the lake to the land. By the *Balai Wilayah Sungai* (River Area Agency), the height of the embankment is made 2 m. The embankment is built like that of a clove, considering the large water debit that will be released, where the Limboto Lake is the upstream of Topodu river, whose estuary joins with the Bolango River, and Bone River with the final estuary is Tomini Bay. The provincial government has made the Tapodu II water outlet, which wide is ± 80 m as the second-largest water outlet in Indonesia after that of Ciliwung River. This is to anticipate the massive flood such as happened in 2001, where the flood reached the area of the provincial police station (Polda) of Gorontalo today.

➤ Tertiary Zone

The tertiary zone is the furthest pool, such as happened in 2001, where the water pool reached the area of Polda Gorontalo today. Logically, water will go back to its original place. Taking into consideration that the previous lake zone is Telaga street today, but as the lake area had shrunk, the land that had been left is now occupied for various purposes.

From the description above, the Limboto lake position before the establishment of these zones is shown in the picture below:

PETA CITRA SATELIT DANAU LIMBOTO PROVINSI GORONTALO



Fig 5

The position of the Limboto Lake following the Zonation is as follow:

PETA DANAU LIMBOTO PROVINSI GORONTALO



Fig 6

The zonation of Limboto Lake involves the following activities:

- Preparation (data collection of the Limboto Lake boundary);
- Socialization on the zonation of the Limboto Lake to the community;
- Measurement and establishment of the lake boundary and zonation marks;
- Evaluation (*Ibid*).

The establishment of the zonation draft for Limboto Lake is to revitalize and revived the function of the lake as the lake serves an important function for the livelihood of the community surrounding the lake area.

IV. CONCLUSION

Based on the description above, it can be concluded that occupancy of the Limboto Lake into residential area and as farming area legally will change the structure of the lake and people's ownership of the lake banks area are against the regulations as stated in Article 33 (3) of UUD 1945, Article 2 of UU PA No. 5 of 1960, Article 23 (2) of Perda of Gorontalo Province No. 1 of 2008 on Management of Limboto Lake. The Gorontalo government has carried out the following actions to save the lake: (a) establish a committee to buy back the land by SK Governor No. 207 of 2003 on Establishment of the committee of land release and resettlement of the community in the area of Limboto-Bolango and Bone, b) issue a Perda No. 1 of 2008 on Management of Limboto Lake, and c) carry out the governance of Limboto Lake by setting the Zonation of the Limboto Lake and made a zonation draft to save the Limboto Lake from shrinking and silting up.

ACKNOWLEDGMENT

I would like to acknowledge the contribution of the Research Institute of Universitas Negeri Gorontalo for funding this research.

REFERENCES

- [1]. Ali, Ahmad Chomzah, 2002, *Hukum Pertanahan I : Pemberian Hak Atas Tanah Negara/Agrarian Law I: Provision of the Rights for State Land*, Prestasi Pustaka, Jakarta.
- [2]. Budi Harsono, 2008, *Hukum Agraria Indonesia Sejarah Pembentukan Undang-Undang Pokok Agraria, Isi Dan Pelaksanaanya/Indonesian Agrarian Law, Its History, Content, and Implementation*, Djambatan, Jakarta.
- [3]. Heru Sutrisno, 2013, *Status Hukum Tanah Warga Pinggir Sungai Mahakam (Studi Di Kelurahan Pulau Atas Kecamatan Sambutan Kota Samarinda)/the Legal status of Community Land in the Bank of Mahakam River (case study in the Pulau Atas Village of Sambutan Sub-district of Samarinda city)*, *Journal Beraja NITI*, Volume 2 No. 8.
- [4]. Maria S. W. Sumardjono, 2008, *Tanah Dalam Perspektif Hak Ekonomi Sosial dan Budaya/Land within the Socio Economic and Cultural Perspectives*, Buku Kompas, Jakarta.
- [5]. Profil Danau Limboto, 2009, Badan Lingkungan Hidup Riset dan Teknologi Informasi Provinsi Gorontalo.
- [6]. *Previous Research Nirwan Junus, Status Hukum Penguasaan Tanah Bantaran Danau Limboto Provinsi Gorontalo/The Legal Status of Ownership of The Land in The Bank of Limboto Lake*.
- [7]. Undang-Undang Dasar Tahun 1945/the 1945 Constitution
- [8]. Undang- Undang No. 5 of 1960 on UUPA/the Law No. 5 of 1960 on Basics of Agrarian
- [9]. Peraturan Pemerintah Nomor 16 Tahun 2004 tentang Penatagunaan Tanah/Government Regulation No. 16 of 2004 on Land Management
- [10]. Kepres No. 32 Tahun 1990 tentang Pengelolaan Kawasan Lindung/Presidential Decree No. 32 of 1990 on Management of Conservation Area
- [11]. Perda Provinsi Gorontalo No. 1 Tahun 2008 tentang Pengelolaan Danau Limboto/Gorontalo Provincial Regulation No. 1 of 2008 on Management of the Limboto.