



**ICMS**  
www.icms.untirta.ac.id

# Certificate

*This is to Certify that*

**Drs. Parluhutan Siahaan, M.Si**

*in recognition of his/her valuable contribution as*

**Presenter**

Thank you for your participation and contribution to the  
1<sup>st</sup> International Conference on Multidisciplinary Studies

Organized by Graduate Program University of Sultan Ageng Tirtayasa, Serang-Banten  
on September 27-28, 2017




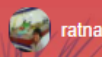

*[Signature]*  
**Prof. Dr. H. Sholeh Hidayat, M.Pd.**  
Chairman of ICMS 2017

Presented by:




Supported by:






**yahoo!mail** Find messages, documents, photos or people   

Compose        

- Inbox 21
- Unread
- Starred
- Drafts 44
- Sent
- Archive
- Spam
- Deleted Items
- Less
- Views Show
- Folders Hide
- + New folder
- AMDAL
- ATTACHMENT
- facebook 926
- PHOTO
- REMEMBER

[ABS-142 FULL\_PAPER] File Submitted to ICMS 2017 Yahoo/Inbox 

 **ICMS 2017** <icms@untirta.ac.id>  Sat, 2 Sep 2017 at 10:23 pm   
To: ratna245\_siahaan@yahoo.com  
Cc: icms@untirta.ac.id

[icms@untirta.ac.id](mailto:icms@untirta.ac.id)

Dear Dr. RATNA SIAHAAN,

We have received the submission of your file:

Abstract ID:  
ABS-142



Title:  
MANAGING RIPARIAN VEGETATION DIVERSITY FOR MAINTAINING THE QUALITY OF POLIMAAN RIVER, SOUTH MINAHASA, NORTH SULAWESI PROVINCE

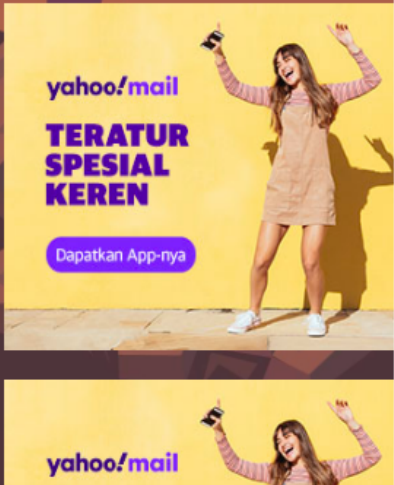
Authors:  
RATNA SIAHAAN AND PARLUHUTAN SIAHAAN








Type:  
full\_paper

Topic:  
Science (Physics, Biology and Chemistry) Education

Presenter:  
RATNA SIAHAAN

 **ICMS 2017**   
[icms@untirta.ac.id](mailto:icms@untirta.ac.id)  
[+ Add to contacts](#)



 nota gita\_baru.xlsx  Surat Keterangan-....pdf  Surat Keterangan-....pdf  Surat Keterangan-....pdf  Surat Keterangan-....pdf  Show all 

# ICMS 2017

## Submission Management System

- » [Main Site](#)
- » [Submission Guide](#)
- » [Register](#)
- » [Login](#)
- » [Participant List](#)
- » [Abstract List](#)

## :: Participant List ::

1. **A.A Gde Satia Utama**  
*Airlangga University*  
Surabaya, Indonesia
2. **Aah Ahmad Almulqu**  
*Politeknik Pertanian Negeri Kupang*  
(*Politani Kupang*)  
Kupang, Indonesia
3. **Aan Khurosani**  
*Faculty of Economics and Business,*  
*University of Sultan Ageng*  
*Tirtayasa*  
Serang Banten, Indonesia
4. **Aan Subhan Pamungkas**  
*Departement of Mathematics*  
*Education*  
Serang City, Indonesia
5. **Abdul hamid**  
*University of Sultan Ageng*  
*Tirtayasa*  
Serang, Indonesia
6. **Ade Iskandar**  
*Universitas Negeri Surabaya*  
Banjar, Indonesia
7. **Ade Eka Anggraini**  
*STKIP Setia Budhi Rangkasbitung*  
Lebak, Indonesia
8. **Ade Manggala Hardianto**  
*Universitas Airlangga Surabaya*  
Cilegon, Indonesia
9. **Ade Sri Mariawati**  
*Industrial Engineering, Universitas*  
*Sultan Ageng Tirtayasa*  
Serang, Indonesia
10. **Afriyanti Diana**  
*University of Indonesia*  
Jakarta Timur, Indonesia
11. **agnes amila wigati**  
*Postgraduate student in Physics*  
*Education*  
*Department, Faculty of Teacher*  
*Training and*  
*Education, Lampung University,*  
*Indonesia*  
Bandar Lampung, Indonesia
12. **Agung Putra Wijaya**  
*University of Lampung*  
Bandar Lampung, Indonesia
13. **Ahmad Almulqu,**  
*Politani Kupang*  
Kupang, Indonesia
14. **Ahmad Taofik**  
*Fakultas Sains dan Teknologi*  
*UIN Sunan Gunung Djati Bandung*  
Kota Bandung, Indonesia
15. **Ahmad Irfan**  
*UNIVERSITAS PENDIDIKAN*  
*INDONESIA*  
Bandung, Indonesia
16. **Ahmad Sidiq**  
*Yogyakarta State University*  
Tasikmalaya, Indonesia
17. **Alex Kurniawan Almansyur**  
*Universitas Lampung*  
Metro Kibang, Lampung Timur,  
Indonesia
18. **Ali Rahmat**  
*United Graduated School o*  
*Agriculture Science*  
*Gifu University, Japan*  
Gifu, Japan
19. **Andria Zulfa**  
*Faculty Economy & Business.*  
*Malikussaleh Universty, Aceh*  
Lhokseumawe, Indonesia
20. **Andriya Risdwiyanto**  
*Universitas Proklamasi 45*  
*Yogyakarta*  
Sleman, Indonesia
21. **Anggi Hanif Setyadin**  
*Universitas Pendidikan Indonesia,*  
*Departemen Pendidikan Fisika*  
Bandung, Indonesia
22. **Ari Setiawan**  
*University of Sarjanawiyata*  
*Tamansiswa Yogyakarta*  
Yogyakarta, Indonesia
23. **Arief Pratomo**  
*Sebelas Maret University Surakarta*  
Kab. Sukoharjo, Indonesia
24. **aris setyawan**  
*unis tangerang*  
tangerang, Indonesia
25. **Arman Haqqi Anna Zili**  
*Universitas Indonesia*  
Jakarta, Indonesia
26. **Arsi Dwiyani**  
*Yogyakarta State University*  
Yogyakarta, Indonesia
27. **Arum wahyuni Purbohastuti**  
*Departement economy of*  
*management*  
Serang banten, Indonesia
28. **Asep Sujana**  
*Universitas Mathla ul Anwar Banten*  
Pandeglang, Indonesia

29. **Asep Kamaluddin**  
*UPN Veteran Jakarta*  
Depok, Indonesia
30. **Aulia Kusumawati**  
*Serang Raya University*  
Cilegon, Indonesia
31. **Auwalu Chiroma**  
*Mai Idris Aloomo Polytechnic, P.M.B 1020*  
*Geidam, Yobe State, Nigeria.*  
Geidam, Nigeria
32. **Ayrin Widya Mustika Sari**  
*Universitas Sultan Ageng Tirtayasa,*  
*Masters*  
*Degree in Mathematics Education*  
  
Serang, Banten, Indonesia
33. **BASO INTANG SAPPAILE**  
*State University of Makassar*  
Makassar, Indonesia
34. **Bayu Rahmat Setiadi**  
*Universitas of Sarjanawiyata-*  
*Tamansiswa*  
*Yogyakarta, Indonesia*  
Yogyakarta, Indonesia
35. **BELI RIYADI**  
*LAMPUNG UNIVERSITY*  
BANDAR LAMPUNG, Indonesia
36. **Budiman N.P.D Sinaga**  
*Nommensen HKBP University*  
Medan, Indonesia
37. **Diana Ross Arief**  
*Politeknik ATK Yogyakarta*  
Yogyakarta, Indonesia
38. **Didik Aribowo**  
*Department of Electrical*  
*Engineering*  
*Education, Sultan Ageng Tirtayasa*  
*University*  
Serang, Indonesia
39. **Dita Haryaningtias**  
*Lampung University*  
Bandar Lampung, Indonesia
40. **Drina Intyaswati**  
*FISIP UPN Veteran Jakarta*  
Jakarta Selatan, Indonesia
41. **dwi meliana**  
*Yogyakarta state university*  
banjarnegara, Indonesia
42. **Dwi Widjanarko**  
*Universitas Negeri Semarang*  
Semarang, Indonesia
43. **Dwi Nurhidayati**  
*ITS*  
Surabaya, Indonesia
44. **Edward Fazri**  
*Sultan Ageng Tirtayasa University*  
Cilegon, Indonesia
45. **Eka yuslistyari**  
*Universitas Serang Raya*  
KOTA SERANG, Indonesia
46. **Eka yuslistyari**  
*Universitas Serang Raya*  
KOTA SERANG, Indonesia
47. **Eka yuslistyari**  
*Universitas Serang Raya*  
KOTA SERANG, Indonesia
48. **Eka Yulli Kartika**  
*Islamic State University Syarif*  
*Hidayatullah Jakarta*  
Tangerang Selatan, Indonesia
49. **Emil Azmanajaya**  
*Balikipapan State Polytechnic*  
Balikipapan, Indonesia
50. **EVA SAFAAH**  
*UNIVERSITAS SERANG RAYA*  
Cilegon, Indonesia
51. **Feliksitas Angel Masing**  
*Post graduate on Yogyakarta State*  
*University*  
Yogyakarta, Indonesia
52. **Firmanul Catur Wibowo**  
*Universitas Sultan Ageng Tirtyasa*  
Serang Banten, Indonesia
53. **Fitya Luthfi**  
*Universitas Pendidikan Indonesia*  
Bandung, Indonesia
54. **Friska Ria Sitorus**  
*National Dong Hwa University*  
Hualien , Taiwan
55. **Fuad Hasyim**  
*Universitas Islam Indonesia*  
Bantul, Indonesia
56. **Galuh Puspita Sari**  
*Politeknik ATK Yogyakarta*  
Yogyakarta, Indonesia
57. **Gunawan Setiawan**  
*Politeknik Keselamatan Transportasi*  
*Jalan Tegal*  
Tegal, Indonesia
58. **Hafizhan Adlan Wiraprakoso**  
*Universitas Sebelas Maret*  
Karawang, Indonesia
59. **Halim Akbar**  
*University of Malikussaleh Aceh*  
*Utara*  
Lhokseumawe, Indonesia
60. **HASANAH SULISTIYAH**  
**NINGSIH**  
*DEPARTMENT OF MATHEMATICS*  
*EDUCATION,*

FACULTY OF TEACHER TRAINING  
AND  
EDUCATION, UNIVERSITAS SULTAN  
AGENG  
TIRTAYASA  
SERANG, Indonesia

61. **hassan laminu**  
*maidriss alooma polytechnic geidam*  
yobe, Nigeria
62. **Hassan Dauda Yahaya**  
*Mai Idris Alooma Polytechnic*  
*Geidam, Yobe*  
*State.*  
Damaturu, Nigeria
63. **Hendryadi Hendryadi**  
*Economic Faculty, Attahiriyah*  
*Islamic University, Jakarta,*  
*Indonesia*  
Bukit Duri, Tebet, JAKSEL,  
Indonesia
64. **Heni Pujiastuti**  
*Untirta*  
Serang, Indonesia
65. **Hepsi Nindiasari**  
*University of Sultan Ageng*  
*Tirtayasa, Banten*  
Tangerang, Indonesia
66. **Hilman Syah**  
*Politeknik Negeri Balikpapan*  
Balikpapan, Indonesia
67. **Ibrahim Dodo**  
*Federal Polytechnic Kaura-Namoda,*  
*P. M. B 1012, Kaura-Namoda*  
*Zamfara State, Nigeria*  
  
Kaura Namoda, Nigeria
68. **Ibrahim chalid**  
*Program Studi Antropologi.*  
*Fuakultas Ilmu Sosial dan Politik.*  
*Universitas Malikusaleh. Aceh.*  
*Indonesia.*  
Lhokseumwe, Indonesia
69. **Ibrahim Ghide Adamu**  
*Mai Idris Alooma Polytechnic, P. M*  
*B 1020*  
*Geidam, Yobe State, Nigeria*  
Yobe, Indonesia
70. **ida zuraida**  
*Tax Training Center, the Finance*  
*and Education Training Center, the*  
*Ministry of Finance*  
Jakarta, Indonesia
71. **IHSANUDIN IHSANUDIN**  
*Departement of Mathematics*  
*Education, Sultan Ageng Tirtayasa*  
*University, Indonesia*  
Serang, Indonesia
72. **Iing Dwi Lestari**  
*Universitas Sultan Ageng Tirtayasa*  
Jakarta Timur, Indonesia
73. **Imam Sudarmaji**  
*Universitas Islam Syekh Yusuf*  
*(UNIS)*  
*Tangerang*  
Tangerang, Indonesia
74. **Irayanti Adriant**  
*Sekolah Tinggi Manajemen Logistik*  
*Indonesia*  
*(School of Logistics Management*  
*Indonesia)*  
Bandung, Indonesia
75. **Irhamni Irhamni**  
*Department of Chemistry of Faculty*  
*of*  
*Teacher Training and Educational*  
*Sciences*  
*University of Sultan Ageng*  
*Tirtayasa Banten*  
Serang, Indonesia
76. **Irma Suryahani**  
*Postgraduate Program of*  
*Economics, Faculty of*  
*Economics and Business, University*  
*of*  
*Diponegoro, Indonesia*  
  
Semarang, Indonesia
77. **isni resita**  
*lampung university*  
lampung, Indonesia
78. **Jarot Digdo Ismoyo**  
*Law Faculty, Halmahera University,*  
*North*  
*Halmahera*  
Klaten, Indonesia
79. **jonah Damon**  
*Institution*  
4257 Selah Way, United States
80. **Josua Sitompul**  
*Maastricht University*  
Jakarta Utara, Indonesia
81. **Kelik Wachyudi**  
*Departement of English Education,*  
*University of Singaperbangsa*  
*Karawang, Jawa Barat.*  
Kota Bandung, Indonesia
82. **Kusumajanti Kusumajanti**  
*UPN Veteran Jakarta*  
West Jakarta, Indonesia

83. **LENY MAHROMATUL ULYA ULYA**  
DEPARTMENT OF ANTHROPOLOGY  
FACULTY OF SOCIAL AND  
POLITICAL SCIENCES  
UNIVERSITAS INDONESIA  
DEPOK, Indonesia
84. **Levi Prihata**  
Lampung University  
Bandar Lampung, Indonesia
85. **Luluk Asmawati**  
Universitas Sultan Ageng Tirtayasa  
Depok, Indonesia
86. **Luluk Asmawati**  
Sultan Ageng Tirtayasa University  
Depok, Indonesia
87. **LUTHFIA PUSPA PRADINA**  
LAMPUNG UNIVERSITY  
BANDAR LAMPUNG, Indonesia
88. **Machmud Al Rasyid**  
Civic Education, Faculty of Teacher  
Training  
and Education, Sebelas Maret  
University,  
Indonesia (Prodi PPKn, FKIP,  
Universitas  
Sebelas Maret)  
Surakarta, Indonesia
89. **marhaini haini**  
Chemical Engineering, Faculty of  
Engineering,  
Muhammadiyah University,  
Palembang  
Palembang, Indonesia
90. **Moch Fakhruroji**  
Universitas Islam Negeri (UIN)  
Sunan Gunung Djati Bandung  
Bandung, Indonesia
91. **Moh Fawaid**  
University of Sultan Ageng  
Tirtayasa  
Serang, Indonesia
92. **Muhammad Nurtanto**  
University of Sultan Ageng  
Tirtayasa  
Serang, Indonesia
93. **Muhammad Farid Rizal -**  
Wijaya Kusuma Surabaya University  
Surabaya, Indonesia
94. **Muhammad Rheza Ramadhan**  
Directorate General of Taxation  
Jakarta Timur, Indonesia
95. **Muhtar Solihin**  
UIN Sunan Gunung Djati Bandung  
Bandung, Indonesia
96. **Muktari Isa Shago**  
Mai Idriss Aloomo Polytechnic,  
Geidam, Yobe State, Nigeria  
Geidam, Nigeria
97. **MUSA MUHAMMAD MAHMUD**  
MAI IDRIS ALOOMA POLYTECHNIC  
GEIDAM  
GEIDAM , Nigeria
98. **Mustofa Abi Hamid**  
Electrical Engineering Education,  
Universitas  
Sultan Ageng Tirtayasa  
Serang, Indonesia
99. **Mutia Nurul Izzati Djunaidi  
Djunaidi**  
Departement Anthropology, Faculty  
of Social and Political Sciences,  
Universitas Indonesia  
  
Depok, Indonesia
100. **Nafan Tarihoran**  
State Islamic University Sultan  
Maulana Hasanudin Banten  
Kota Serang, Indonesia
101. **Nafi udin**  
University of Serang Raya  
Serang Banten, Indonesia
102. **Nafi udin**  
University Of Serang Raya  
Walantaka, Indonesia
103. **Nandhika Wahyu Sahputra**  
UNY  
Jepara, Indonesia
104. **Nia Kania Kurniawati**  
Faculty of Social and Political  
Science  
Serang, Indonesia
105. **NUARRUAL HILAL MD DAHLAN**  
UNIVERSITI UTARA MALAYSIA  
UUM SINTOK, Malaysia
106. **Nunik Purwaningsih**  
Politeknik ATK Yogyakarta  
Bantul, Indonesia
107. **Nurhaedah Gailea**  
Sultan Ageng Tirtayasa University  
Serang, Indonesia
108. **Nurmala Ahmar**  
Sekolah Tinggi Ilmu Ekonomi  
Perbanas  
Surabaya  
DEPOK, Indonesia

109. **Nurprapti Wahyu Widyastuti**  
*Universitas Sultan Ageng Tirtayasa*  
Jakarta Selatan, Indonesia
110. **Nurul Anriani**  
*Universitas Sultan Ageng Tirtayasa*  
Serang, Indonesia
111. **Oyong Novareza**  
*Universitas Brawijaya*  
Malang, Indonesia
112. **Popi Puspitasari**  
*Fakultas Teknik Sipil dan*  
*Perencanaan, Universitas Trisakti*  
Jakarta Barat, Indonesia
113. **R. Ahmad Zaky El Islami**  
*Department of Science Education,*  
*Faculty of*  
*Teacher Training and Education,*  
*University of*  
*Sultan Ageng Tirtayasa*  
Cipocok Jaya Serang-Banten,  
Indonesia
114. **Raden Gunawan**  
*Faculty of Engineering, Sultan*  
*Ageng*  
*Tirtayasa University*  
Serang, Indonesia
115. **RADEN DIKY DERMAWAN**  
*DEPARTMENT OF ANTHROPOLOGY*  
*FACULTY OF SOCIAL AND POLITIC*  
*SCIENCES*  
*UNIVERSITAS INDONESIA*  
DEPOK, Indonesia
116. **Raden Fairuz Hasna Karimah Karimah**  
*Departement Anthropology, Faculty*  
*of Social and Political Sciences,*  
*Universitas Indonesia*  
  
Depok, Indonesia
117. **RAFIDAH RASOL**  
*Universiti Teknologi MARA*  
Shah Alam, Malaysia
118. **rahmawati rahmawati**  
*University of sultan ageng tirtayasa*  
serang banten, Indonesia
119. **Rahmawati Rahmawati**  
*Public Administration Department*  
*Social*  
*Political Science*  
Ciruas Ranjeng, Indonesia
120. **RAMADHAN KURNIA HABIBIE**  
*UNIVERSITAS NEGERI SURABAYA*  
Jombang, Indonesia
121. **Ramdani Wahyu Sururie**  
*Universitas Islam Negeri (UIN)*  
*Sunan Gunung Djati, Bandung.*  
*West Java, Indonesia*  
Cibiru, Bandung, Indonesia
122. **Ratna Ekawati**  
*Sultan Ageng Tirtayasa University*  
Cilegon, Indonesia
123. **RATNA SIAHAAN**  
*UNIVERSITY OF SAM RATULANGI*  
MANADO, Indonesia
124. **Ria Herpiana**  
*Universitas Lampung*  
Bandar Lampung, Indonesia
125. **Rika Dwi Nanda**  
*Sepuluh Nopember Institute of*  
*Technology*  
Surabaya, Indonesia
126. **Rima Auliyamartha Agustina**  
*STIE Binaniaga Bogor*  
Bogor, Indonesia
127. **RIMA VIEN PERMATA HARTANTO**  
*SEBELAS MARET UNIVERSITY*  
SURAKARTA, Indonesia
128. **Rinaningsih -**  
*Tax Education and Training Center,*  
*Finance*  
*Education and Training Agency,*  
*MINISTRY OF*  
*FINANCE*  
Jakarta Barat, Indonesia
129. **Rinaningsih -**  
*Tax Education and Training Center,*  
*Finance*  
*Education and Training Agency,*  
*MINISTRY OF*  
*FINANCE*  
Jakarta Barat, Indonesia
130. **Riswanda -**  
*FISIP*  
Serang Banten, Indonesia
131. **Rita Budiati**  
*Universitas lampung*  
Metro Timur, Kota Metro, Indonesia
132. **Rizki Nanda Fardani**  
*Lampung University*  
Bandar Lampung, Indonesia
133. **Roby Firmansah**  
*Magister Physics Education,*  
*University of Lampung, Indonesia*  
Bandar Lampung, Indonesia
134. **Romli Ardie**  
*Sultan Ageng Tirtayasa of*  
*University*  
Serang, Indonesia



135. **Ronny Setiawan**  
*Semarang State University*  
Sampit, Indonesia
137. **Santi Susanti**  
*Faculty of Communication Sciences,*  
*Universitas*  
*Padjadjaran*  
Bandung, Indonesia
139. **Selly Anastassia Amellia Kharis**  
*Universitas Indonesia*  
DKI Jakarta, Indonesia
141. **Siti Hikmah**  
*Sultan ageng tirtayasa university*  
Serang, Indonesia
143. **Soffan Nurhaji**  
*Mechanical Engineering Education*  
*Sultan Ageng Tirtayasa University*  
Serang, Indonesia
145. **SUHERMAN SUHERMAN**  
*UNTIRTA*  
Serang, Indonesia
147. **Sunaryo Romli**  
*Lampung University*  
Bandar Lampung, Indonesia
149. **Suryanto Nugroho**  
*STMIK Duta Bangsa Surakarta*  
Kota Surakarta, Jawa Tengah ,  
Indonesia
151. **syafirzal no last name**  
*Universitas Sultan Ageng Tirtayasa*  
Kota Serang, Indonesia
153. **Tien Aminatun**  
*Yogyakarta State University*  
Yogyaarta, Indonesia
155. **Wahyu Susihono**  
*University of Sultan Ageng*  
*Tirtayasa*  
Serang, Indonesia
157. **Wardalia Wardalia**  
*Department of Chemical*  
*Engineering, Sultan Ageng*  
*Tirtayasa*  
*University, Cilegon, Banten-*  
*Indonesia*  
Cilegon, Indonesia
159. **WIJIANTO MR**  
*Sebelas Maret University*  
Surakarta, Indonesia
136. **Samaila Audu Jovial**  
*Mai Idris Aloomo Polytechnic*  
*Geidam, Yobe State, Nigeria*  
Geidam,, Nigeria
138. **Sehabudin sehabudin**  
*State University of Surabaya*  
Serang, Indonesia
140. **Semiarto A. Purwanto**  
*Department of Anthropology*  
*Faculty of Social and Political*  
*Sciences*  
*University of Indonesia*  
Depok, Indonesia
142. **Sjaifuddin Sjaifuddin**  
*Dept. of Science Education*  
*UNTIRTA*  
Serang, Indonesia
144. **Sri Hastuti Noer**  
*University of Lampung*  
Bandar Lampung, Indonesia
146. **Suherman Suherman**  
*University of Sultan Ageng*  
*Tirtayasa*  
Serang, Indonesia
148. **Suroso Mukti Leksono**  
*Faculty of Teacher and Education*  
*Training*  
*University of Sultan Ageng*  
*Tirtayasa*  
Serang, Indonesia
150. **sutor rinaldi**  
*asdsa*  
das, Indonesia
152. **syahril ardi**  
*Politeknik Manufaktur Astra*  
Jakarta Utara, Indonesia
154. **tri lestari**  
*Untirta*  
serang, Indonesia
156. **WAHYU NUR HIDAYAT HIDAYAT**  
*DEPARTMENT OF ANTHROPOLOGY*  
*FACULTY OF SOCIAL AND POLITIC*  
*SCIENCES*  
*UNIVERSITAS INDONESIA*  
  
DEPOK, Indonesia
158. **Wayan Suana**  
*University of Lampung*  
Bandar Lampung, Indonesia
160. **WINARNO MR**  
*Sebelas Maret University*  
Surakarta, Indonesia

161. **Winny Gunarti Widya Wardani**  
*University of Indraprasta PGRI*  
Jakarta Selatan, Indonesia
162. **wirdanengsih -**  
*Universitas Negeri Padang*  
bandung , Indonesia
163. **Wolter Parlindungan Silalahi**  
*National Dong Hwa University*  
Hualien 97401, Taiwan, R.O.C,  
Indonesia
164. **Yani Ramdani**  
*Bandung Islamic University*  
Bandung, Indonesia
165. **Yayat Ruhiat**  
*Universitas Sultan Ageng Tirtayasa*  
Serang, Indonesia
166. **Yohanes Indrayono**  
*Inspektorat Jenderal Kementerian*  
*Riset*  
*Teknologi dan Pendidikan Tinggi*  
Jakarta, Indonesia
167. **Yohanes Indrayono**  
*Pakuan University, Bogor*  
Tangerang Selatan, Indonesia
168. **yudi juniardi juniardi**  
*sultan ageng tirtayasa university*  
serang, Indonesia
169. **yuningsih .**  
*yogyakarta state university*  
rebang, Indonesia

85. **Designing Electronic Module-Based Learning Content Development System in Fostering Students Multi Representation Skill**

*Isni Resita (a\*), Chandra Ertikanto (b)*

a) Postgraduate Student in Physics Education Department, Faculty of Teacher Training and Education, University of Lampung, Indonesia

\*isni.resita.ir[at]gmail.com

b) Physics Education Department, University of Lampung, Indonesia

**Abstract**

This study aims to develop electronic module design-based Learning Content Development System (LCDS) to foster students multi representation skill physics matter. This study used research and development method to the design validation test. This study involved 90 students and 6 physics teachers who were randomly chosen from 3 different Senior High School in Lampung Province. The data were collected using questionnaires and analyzed descriptive quantitatively. Based on the data, 95% of students use one from representation only in solving physics problems. Representation which tend to be used by student were symbolic representation. Students are considered to understandable the concept of physics if able to change from one form to other forms of representation. Based on expert validity, the electronic module based LCDS proper used to foster students multi representation skill.

**Topic:** Science (Physics, Biology and Chemistry) Education

PermaLink: <http://icms.untirta.ac.id/kfz/pages/abstract.php?id=140>

---

86. **MANAGING RIPARIAN VEGETATION DIVERSITY FOR MAINTAINING THE QUALITY OF POLIMAAN RIVER, SOUTH MINAHASA, NORTH SULAWESI PROVINCE**

*RATNA SIAHAAN AND PARLUHUTAN SIAHAAN*

Biology Department, Faculty of Mathematics and Natural Sciences,  
University of Sam Ratulangi, Manado 95115

**Abstract**

Polimaan River is a main river of Polimaan Watershed. This river is located in South Minahasa Regency, North Sulawesi Province. This river has main role in irrigation system and domestic activities. The quality of river is influenced by human activities in watershed. Riparian is an ecotone between aquatic and terrestrial ecosystems. Vegetation riparian has ecological functions to maintain river quality by trapping pollutants from land upside transported by water and to keep water temperature. This research was to analyzed the diversity of riparian vegetation of Polimaan River in maintaining river quality. Based on Shannon-Wiener Index, diversity of Polimaan riparian vegetation is medium ( $\leq H' \leq 3$ ). The human activities increased from up to down that decreased riparian diversity index. Environmental efforts should be implemented especially at upper Polimaan River to conserve water quality.

**Topic:** Science (Physics, Biology and Chemistry) Education

PermaLink: <http://icms.untirta.ac.id/kfz/pages/abstract.php?id=142>

---

Portal INSPIRE x Course: BIOLG x Post Attendee x WhatsApp x Daftar Hadir V x Post Attendee x (21 unread) - x POLIMAAN R x

mail.yahoo.com/d/search/keyword=ICMS/messages/9254

yahoo!mail Find messages, documents, photos or people ratna Home

Compose

Inbox 21  
Unread  
Starred  
Drafts 44  
Sent  
Archive  
Spam  
Deleted Items  
^ Less  
Views Show  
Folders Hide  
+ New folder  
AMDAL  
ATTACHMENT  
facebook 926  
PHOTO  
REMEMBER

Back Archive Move Delete Spam

To: ratna245\_siahaan@yahoo.com

Notification Attachment: Full Paper Format

Dear Author(s),

Hide original message

On behalf of the *Internasional Conference on Multidisciplinary Studies (ICMS) 2017* Organizing Committee, I am very pleased to inform you that your abstract paper has been evaluated by our Scientific Committee:

Status:

**Accepted**

For the follow up, please pay close attention to the instructions below. All deadlines must be met accordingly or the committee will not allocate time for your oral *Internasional Conference on Multidisciplinary Studies (ICMS) 2017*.

Final Paper Submission

Each full paper should be 4 – 8 pages in length and must be submitted before Aug 25, 2017. Late full paper submission will not be considered. Format of full paper can be found in the following: Full paper template can be downloaded on official web ICMS

Finally, I would like to take this opportunity to thank you for your interest in participating and presenting your research work at the *Internasional Conference on Multidisciplinary Studies (ICMS) 2017*. you can also visit our website <http://icms.untirta.ac.id> for any updates information.

Thank you and warmest regards.

Dr. Firmanul Catur Wibowo, Organizing Committee

Contact

ICMS Untirta  
icms@untirta.ac.id  
+ Add to contacts

HAPPY LUKE  
BONUS HINGGA IDR 3,000,000  
DEPOSIT PERTAMA ANDA!!  
BERMAIN SEKARANG

nota\_gita\_baru.xlsx Surat Keterangan-....pdf Surat Keterangan-....pdf Surat Keterangan-....pdf Show all

Type here to search Address 1:26 PM 11/18/2020