

4th International Conference on Teacher Training and Education (ICTTE 2018)

**Reinforcing Network of Collaboration to
Anticipate Information Disruption**

Advances in Social Science, Education and
Humanities Research Volume 262

Surakarta, Indonesia
20 - 21 July 2018

Editors:

Khresna Bayu Sangka

Indah Widiastuti

Paed. Nurma Yunita Indriyanti

Norazah Mohd. Nordin

Ramlee Mustapha

Shao-Ting Alan Hung

Kanya Konsoongnoen

ISBN: 978-1-5108-8055-9

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2018) by Atlantis Press
All rights reserved.
Copyright for individual electronic papers remains with the authors.

For permission requests, please contact the publisher:

Atlantis Press
Amsterdam / Paris

Email: contact@atlantis-press.com

Conference Website: <http://www.atlantis-press.com/php/pub.php?publication=ictte-18>

Printed by Curran Associates, Inc. (2019)

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

SESSION: 1ST PARALLEL SESSION

VARIOUS LANGUAGE CHOICE FACTORS ON LOCAL LANGUAGE DIRECTIVE SPEECH ACTS AT UNIVERSITY IN CENTRAL OF SULAWESI	1
<i>Fatma Fatma, Sumarlam Sumarlam, Sarwiji Suwandi</i>	
COMPLETED REPRESENTATION OF ELECTRONIC SCHOOL BOOK (ESB) ON PHYSICS SUBJECTS AT SENIOR HIGH SCHOOL	11
<i>Irfan Yusuf, Sri Widyaningsih, Imelda Mallipa</i>	
THE DEVELOPMENT OF PUBLIC ETHICS LEARNING METHOD USING PLAYGROUND SONG GUNDUL-GUNDUL PACUL	17
<i>Agus Suharsono, Muhammad Aziz</i>	
IMPLEMENTATION PROJECT BASED LEARNING MODEL FOR ANTI CORRUPTION SUBJECT IN FUNDAMENTAL TRAINING FOR BPKP'S CIVIL SERVANT CANDIDATES AS MILLENNIALS GENERATION	23
<i>Mustofa Kamal, John Elim</i>	
PAPER TOYS AS PAIKEM MEDIA TO INTRODUCE LOCAL CHARACTER TO ELEMENTARY SCHOOL-AGE CHILDREN	32
<i>Ercilia Octavia, Anugrah Ismail</i>	
STUDENTS' ERROR PATTERN AND ITS CAUSE IN MATHEMATIC BASIC ABILITY TEST OF THE 3RD GRADE OF ELEMENTARY SCHOOL	38
<i>Wahyudi Wahyudi, Joharman Joharman, Rokhmaniyah Rokhmaniyah</i>	
INTEGRATION PATTERN BETWEEN ELECTROCHEMISTRY COMPETENCE WITH BATTERY COMPETENCE UNIT AND ANALYSIS OF ACHIEVEMENT RESULT OF CREATIVITY INDICATOR ON VOCATIONAL HIGH SCHOOL	44
<i>Inayah Rohmi, Masykuri Mohammad, Endang Susilowati</i>	
COMMUNITY'S SOCIAL CAPITAL IN TREATING EARLY MARRIAGE IN JEBRES SUB DISTRICT OF SURAKARTA CITY	49
<i>Erwinsyah Erwinsyah, Demartoto Argyo, Supriyadi Supriyadi</i>	
THE EFFECTIVENESS OF AUGMENTED REALITY TECHNOLOGY BASED- INTERACTIVE MULTIMEDIA IMPLEMENTED TO IMPROVE STUDENTS LEARNING OUTCOME ECOLOGY AT HIGH SCHOOL LEVEL	53
<i>Rizki Sambodo, Baskoro Prayitno, Puguh Karyantoo</i>	
READINESS AND ACCEPTANCE IN USING WEB-COMMUNITY FOR DEVELOPING CPD AMONG TEACHERS OF REMOTE AREAS IN CENTRAL KALIMANTAN	56
<i>Elanneri Karani</i>	
DEVELOPING AUTHENTIC READING MATERIAL FOR FOOD SCIENCE STUDENTS DEPARTMENT	60
<i>Tuti Tuti</i>	

SESSION: 2ND PARALLEL SESSION

THE NEEDS OF LEARNERS FOR FIELDWORK AND OUTDOOR ACTIVITIES IN THE TOURISM ELECTIVE COURSE	66
<i>Ilada Sartatata</i>	
THE DEVELOPMENT OF RESEARCHERS' ETHICS USING PRACTICAL CLASSROOM TRAINING FOR MARKETING STUDENTS, FACULTY OF MANAGEMENT SCIENCE, THEPSATRI RAJABHAT UNIVERSITY, THAILAND.	71
<i>Panitsupa Thampramuan</i>	
NURTURANCE EFFECTS OF THE NEW COGNITIVE STYLE-BASED LEARNING STRATEGY IN SCIENCE LEARNING	75
<i>Arif Sholahuddin, Leny Yuanita, Imam Supardi</i>	
IMPLEMENTATION OF SCIENTIFIC APPROACH BY SOCIOLOGY TEACHERS AT PRIVATE SENIOR HIGH SCHOOLS IN PONTIANAK	83
<i>Yohanes Bahari</i>	

LEARNING MOTIVATION FOR EVERY STUDENT LEARNING STYLE ON MULTIMODEL LEARNING	89
<i>Kasman Arifin</i>	
EVALUATION OF TRAINING TO IMPROVE ABILITY OF LECTURERS' LEARNING DESIGN	94
<i>Tina Rosa, Yusdi Anra</i>	
ANALYSIS OF THE 21ST CENTURY SKILLS ACHIEVEMENT USING CONSTRUCTIVIST LEARNING WITH ARDUINO BASED DRIVERLESS VEHICLE TECHNOLOGY	99
<i>Azinudin Achzab, Cucuk Budiyanto, Aris Budianto</i>	
DEVELOPING AN ENGLISH TEACHING MODEL USING PROJECT-BASED LEARNING FOR SMA STUDENTS IN SURAKARTA	104
<i>Ngadiso Sutomo, Teguh Sarosa, Muhamad Asrori</i>	
COLLABORATION OF VOCATIONAL EDUCATION BETWEEN SCHOOLS, UNIVERSITIES AND INDUSTRY IN INDONESIA "THE CASE OF ANALYTICAL CHEMISTRY SCHOOLS AND POLYTECHNICS UNDER THE MINISTRY OF INDUSTRY"	110
<i>Mufidah</i>	
REINTERPRETATION OF PRACIMAYASA BUILDING IN PURA MANGKUNEGARAN SURAKARTA: AN ATTEMPT OF CONSERVING LOCAL WISDOM	117
<i>Sunarmi Sunarmi, Bani Sudardi, Pande Sukerta, Titis Pitana</i>	
THE STUDENTS ABILITY OF EXPRESSING GENERALITY IN NUMBERS AT JUNIOR HIGH SCHOOL BASED ON SCHOOL LEVEL	123
<i>Yumiati Yumiati, Saleh Haji</i>	
LEARNING OUTCOMES VIEWED FROM A LEARNING PROCESS THROUGH AN ICT-BASED LEARNING GROUP	128
<i>Junaidi Matsum</i>	
THE EFFECT OF EMOTIONAL INTELLIGENCE ON VIDEOGRAPHIC LEARNING OUTCOMES IN STUDENT GROUPS TAUGHT BY USING DISCOVERY AND DEMONSTRATION APPROACHES	131
<i>Supriyadi Supriyadi, Djaali Djaali, Suyono Suyono</i>	
THE INFLUENCE OF INTEGRATED INFORMATION AND COMMUNICATION TECHNOLOGY USE IN TEACHING AND LEARNING ON STUDENT COMPETENCE AT UNIVERSITY	135
<i>Aan Hendrayana, Sholeh Hidayat, Heni Pujiastuti</i>	
ENTREPRENEURIAL LEARNING DESIGN IN HIGHER EDUCATION IN THE ERA REVOLUTION INDUSTRY 4.0	139
<i>Tri Suratmi, Wirawan Nugrohadi, Dinni Agustin</i>	
INTRODUCING ECOLINGUISTICS IN EFL CLASSROOM	146
<i>Maria Luardini, Erna Sujiyani</i>	
ACADEMIC PROCRASTINATION ON DIGITAL NATIVE HIGHER DEGREE STUDENT: DOES IT REALLY MATTER?	154
<i>Salsabiila Sholehah, Khresna Sangka, Nurhasan Hamidi</i>	

SESSION: 3RD PARALLEL SESSION

INTEGRATION OF ENVIRONMENTAL EDUCATION AT THE ADIWIYATA PROGRAM RECIPIENT SCHOOL IN GROWING ECOLITERACY OF STUDENTS	160
<i>Dhea Adela, Sukarno Sukarno, Mintasih Indriayu</i>	
ALGEBRAIC THINKING OF ELEMENTARY STUDENTS IN SOLVING MATHEMATICAL WORD PROBLEMS: CASE OF MALE FIELD DEPENDENT AND INDEPENDENT STUDENT	165
<i>Ati Sukmawati, Akbar Sutawidjaja, Tata Siswono</i>	
IMPROVING STUDENT ABILITY IN POEM APPRECIATION THROUGH INQUIRY-BASED LEARNING MODEL	171
<i>Sukini Sukini, Andayani Andayani, Muhammad Rohmadi, Budhi Setiawan</i>	
THE SUBJECT-SPECIFIC PEDAGOGY (SSP) OF STM-BIBLICAL INTEGRATED BASED GEOGRAPHY TO IMPROVE THE CHRISTIAN WORLDVIEW OF ELEVENTH GRADERS IN SMA KRISTEN KALAM KUDUS, SUKOHARJO	176
<i>Sudrajat Krisanjaya, Sarwono Sarwono, Chatarina Muryani</i>	
DEVELOPMENT OF GEOGRAPHY E-LEARNING MEDIA BASED ADOBE FLASH TO IMPROVE STUDENT'S LEARNING OUTCOME OF 10TH GRADE IN SENIOR HIGH SCHOOL 1 SRAGEN	181
<i>Ulfah Ramadhan, Chatarina Muryani, Seetya Nugraha</i>	

FUNCTION OF TRADITIONAL ART "KARUNGUT" IN CHARACTER BUILDING EDUCATION OF DAYAK PEOPLE IN CENTRAL KALIMANTAN	186
<i>Holten Sion, Muhamad Affandi</i>	
THE IMPORTANCE OF DISASTER LEARNING MULTIMEDIA TO ENHANCE STUDENTS' PREPAREDNESS	190
<i>Chatarina Muryani, Yasin Yusup, Singgih Prihadi</i>	
PRACTICALITY OF ISLAMIC RELIGIOUS EDUCATION MODULE ANTI-RADICALISM AND TERRORISM NUANCE ON ISLAMIC RELIGIOUS EDUCATIONAL SUBJECT	194
<i>Syahrizal Syahrizal, Riska Putri, Liza Sari</i>	
THE PERFORMANCE OF SCHOOL LEADER ELEMENTS AS IMPACT OF THE IMPLEMENTATION OF REGIONAL SCHOOL OPERATIONAL ASSISTANCE (BOSDA) POLICY	197
<i>Suheni Suheni, Jaenam Jaenam, Septya Suarja, Zulkifli Zulkifli</i>	
ENHANCING STUDENTS' CREATIVITY IN PHYSICS CLASSROOM USING VIRTUAL LABORATORY	202
<i>Gunawan Gunawan, Nina Nisrina, Ni Suranti, Lovy Herayanti</i>	
IMPLEMENTATION OF CHARACTER EDUCATION USING ISLAMIC STUDIES IN ELEMENTARY SCHOOL TEACHER TRAINING	207
<i>Burhanuddin Burhanuddin, Nuur Majid, Rizki Hikmawan</i>	
STUDY LITERATURE: TRADITIONAL GAME BASED LEARNING MODEL SITINJAK TO FIND THE CONCEPT AREA OF TRIANGLE	212
<i>Dessy Rasihen, Jailani Jailani</i>	
ISLAMIC RELIGIOUS EDUCATION TEXTBOOK BASED ON CONTEXTUAL TEACHING AND LEARNING MODEL WHICH VALID FOR HIGHER EDUCATION	219
<i>Azwar Azwar, Jarudin Jarudin, Febri Yanti</i>	

SESSION: 4TH PARALLEL SESSION

THE ENVIRONMENTAL KNOWLEDGE AND ATTITUDE OF MIDDLE-SCHOOL STUDENTS IN FIVE PROMINENT GREEN SCHOOLS IN INDONESIA	222
<i>Widy Anggraini, Puguh Karyanto, Sarwanto</i>	
IDENTIFICATION OF PROBLEMS AND NEEDS OF PROFESSIONAL DEVELOPMENT OF SPECIAL EDUCATION TEACHER IN INCLUSIVE SCHOOL	227
<i>Munawir Yusuf, Erma Sari, Arsy Anggrellangi</i>	
REVITALIZING OF VOCATIONAL HIGH SCHOOLS FOR PRODUCTIVITY IMPROVEMENT AND GRADUATES COMPETITIVENESS (STANDARD FORMATTING FOR ALTERNATIVE EXCELLENCE OF VOCATIONAL HIGH SCHOOLS)	232
<i>Sohidin Sohidin</i>	
EVALUATION OF IMPLEMENTATION OF INCLUSIVE EDUCATION AT PRIMARY SCHOOL	243
<i>Rokhmaniyah Rokhmaniyah, Chamdani Chamdani</i>	
READABILITY OF CONCEPTUAL SCIENCE MATERIAL TEACHING BASED ON SCIENCE LITERACY USING MODIFIED CLOZE TEST TECHNIQUE TO DEVELOP COMPUTATIONAL THINKING SKILLS	248
<i>Fina Fakhriyah, Siti Masfiah, Mila Roysa</i>	
IMPLEMENTATION OF INDONESIAN NATIONAL QUALIFICATION FRAMEWORK (INQF) FOR ACCOUNTING DIPLOMA	253
<i>Surya Jatmika, Nahiyah Faraz</i>	
AN ANALYSIS OF STUDENT'S MATHEMATICAL LITERACY ABILITY OF JUNIOR HIGH SCHOOL STUDENTS	262
<i>Pangestika Saputri, Mardiana Mardiana, Triyanto Triyanto</i>	
MACRO FLASH-BASED MULTIMEDIAFOR IMPROVEMENT THE LEARNING RESULT OF VOLLEYBALL GAME	267
<i>Hartati Hartati, Destriana Destriana, Silvi Aryanti, Destriani Destriani</i>	
THE ANALYSIS OF ACTIVE LEARNING PRACTICES IN PRE-SERVICE TEACHER TRAINING AND EDUCATION	271
<i>Pratiwi Essy, Masykuri Mohhammad, Ramli Murni</i>	
STUDENTS' KNOWLEDGE ON ADOLESCENT REPRODUCTIVE HEALTH	276
<i>Sri Musmiah, Nuryani Rustaman, Saefudin Saefudin</i>	

THE EFFECT OF COOPERATIVE PROBLEM BASED LEARNING (CPBL) MODEL WITH SCAFFOLDING ON STUDENTS' COGNITIVE LEARNING ACHIEVEMENT OF ELEVENTH GRADE SCIENCE CLASS AT COASTAL AREA IN YOGYAKARTA	280
<i>Citra Imaningtyas, Suciati Suciati, Puguh Karyanto</i>	
THE EFFECT OF THE USE PICTURE STORY BOOK BASED ON SCIENTIFIC APPROACH TOWARD THE PROBLEM SOLVING SKILL OF PRIMARY SCHOOL STUDENTS	287
<i>Khoirunnisa Khoirunnisa, Pratiwi Pujiastuti, Zuhdan Prasetyo</i>	
INFLUENCE OF EMOTIONAL INTELLIGENCE AGAINST ASSESSMENT OF FINAL PROJECT (THESIS) STUDENT SEMESTER VIII ECONOMIC EDUCATION STUDY PROGRAM STKIP PANCA SAKTI.....	293
<i>Rita Aryani, Supriyadi Supriyadi, Ayu Amalia</i>	
THE LOGICAL VALIDITY OF THE INQUIRY BASED LEARNING DESIGN OF PLANTAE FOR HIGH SCHOOL BIOLOGY	296
<i>Yasinta Choirina, Murni Ramli, Yudi Rinanto</i>	
ORGANIZATION CULTURE OF STUDENT COUNCIL TO SHAPE THE STUDENTS' ENTREPRENEURIAL TRAIT	302
<i>Lelahester Rina, Wiedy Murtini, Mintasih Indriayu</i>	
ANALYSIS OF STUDENTS' SCIENCE PROCESS SKILL OF JUNIOR HIGH SCHOOL IN NGAWI DISTRICT IN MATERIAL CLASSIFICATION AND ITS CHANGES	310
<i>Nurul Fathonah, Sentot Rahardjo, Baskoro Prayitno</i>	
DESIGN OF INTERACTIVE DIGITAL BOOKS: LEARNING FACILITIES BASED ON THE 2017 REVISION SPECTRUM OF 2013 CURRICULUM.....	314
<i>Patni Ninghardjanti, C. Dyah Indrawati, Andre Rahmanto</i>	
ANALYSIS OF STUDENTS' MATHEMATICAL REASONING ABILITY IN SOLVING MATHEMATICS PROBLEM	319
<i>Ratih Rahmawati, Mardiyana Mardiana, Triyanto Triyanto</i>	
STIMULATING HIGHER-ORDER THINKING SKILLS (HOTS) WITH THE MODULE ON METABOLISM TOPIC AT THE SENIOR HIGH SCHOOL IN SURAKARTA	323
<i>Betty Pramesti, Sajidan Sajidan, Sri Dwiastuti</i>	
THE EFFECT OF PICTURE STORY BOOK BASED ON SCIENTIFIC APPROACH WITH DISCOVERY METHOD ON COLLABORATION ATTITUDE OF ELEMENTARY STUDENT	327
<i>Fitria Fatmawati, Zuhdan Prasetyo</i>	
TEACHER PROFESSIONAL EDUCATION REQUIRES LEARNING MOBILE-BASED AND PROJECT-BASED	334
<i>Aan Hendrayana, Wahyudin Wahyudin</i>	
ANALYZE MAPPING OF STUDENTS' SKILLS ON IMPLEMENTING OF SCIENTIFIC APPROACH IN BIOLOGY LEARNING	339
<i>Suciati Suciati, Citra Imaningtyas, Aisyah Anggraini</i>	
EFFECT OF MAPPING CONCEPT AND TAPPS ON STUDENTS CRITICAL THINKING OF CHEMICAL BONDING	343
<i>Dilla Pratiwi, Titin Supriyanti, Hernani Hernani</i>	

SESSION: 5TH PARALLEL SESSION

THE INFLUENCE OF INQUIRY LEARNING MODEL WITH SCAFFOLDING ON COGNITIVE LEARNING OUTCOMES IN BIOLOGY SUBJECTS OF ELEVENTH GRADE OF SCIENCE CLASS IN SPECIAL REGION OF YOGYAKARTA MOUNTAIN AREAS.....	347
<i>Aisyah Anggraini, Suciati Suciati</i>	
TEACHERS' PERCEPTION ON THE DEVELOPMENT OF LOCAL HISTORY DIGITAL TEACHING MATERIAL IN SURAKARTA	354
<i>Leo Agung, Muhammad Akhyar</i>	
INTEGRATED ENTREPRENEURSHIP EDUCATION THROUGH CHARACTERISTICS OF NATURAL SCHOOL	359
<i>Silvia Daniati, Slamet Subiyantoro, Siti Fadhillah</i>	
THE EFFECT OF DISCOVERY LEARNING MODEL WITH SCAFFOLDING ON STUDENTS' COGNITIVE LEARNING OUTCOME AT TOURISM AREA IN THE SPECIAL REGION OF YOGYAKARTA.....	366
<i>Zendi Dermawan, Widha Sunarno</i>	
THE DEVELOPMENT OF STUDENTS' SOCIAL INTEGRATION ATTITUDE THROUGH LEARNING ISLAMIC HISTORY IN SURAKARTA.....	373
<i>Baidi</i>	

THINKING STYLES OF SEVENTH GRADE STUDENTS AND THE EFFECT ON MISCONCEPTION.....	381
<i>Maya Pamungkas, Sulisty Saputro, Sri Mulyani</i>	
THE IMPLEMENTATION OF STUDENTS' HARD WORK AND RESPONSIBLE CHARACTERS IN CIVIC EDUCATION LEARNING IN SMP ISLAM KARANGRAYUNG OF GROBOGAN REGENCY	384
<i>Citra Megananda, Bambang Sumardjoko, Ahmad Muhibbin</i>	
GEOMETRICAL VISUALIZATION AND STUDENTS' COGNITIVE STYLE.....	389
<i>Noor Fajriah, Akbar Sutawidjaja, Tatag Siswono</i>	
NEEDS ANALYSIS FOR DEVELOPMENT AUTHENTIC ASSESSMENT ORIENTED NGSS	393
<i>Tiara Cahyanti, Sukarmin Sukarmin, Ashadi Ashadi</i>	
PANCASILA AND CIVIC EDUCATION LEARNING AS AN ADHESIVE OF MULTICULTURAL SOCIETY	398
<i>Bambang Sumardjoko, Eko Supriyanto, Harun Prayitno</i>	
REVIEW LITERATURE OF SCIENCE PROCESS SKILL IN CURRICULUM 2013 AT ELEMENTARY SCHOOL.....	403
<i>Pipit Amarta, Sarwanto Sarwanto, Peduk Rintayati</i>	
DEVELOPING ANDROID BASED – STUDENT WORKSHEET USING GUIDED INQUIRY MODEL TO IMPROVE SCIENCE PROCESS SKILL ON HUMAN REPRODUCTION SYSTEM MATERIAL, GRADE XI OF SENIOR HIGH SCHOOL (SMA).....	407
<i>Ermayanti Sutiyo, Djukri Djukri</i>	
THE SUCCESS OF PICTURE STORY BOOKS IN SD SCIENCE ON STUDENT CRITICAL THINKING	411
<i>Ermaniatu Nyihana, Pratiwi Astuti, Zuhdan Prasetyo</i>	
CTL LEARNING MODEL IN THE MILLENNIAL ERA: THE USE OF EDMODO-BASED E-LEARNING MODEL ON GEOGRAPHY LEARNING IN SMA AND MA ASSALAAM	415
<i>Erna Rahmawati, Chatarina Muryani, Sarwono Sarwono</i>	
THE ENGLISH NEEDS OF OCCUPATIONAL SAFETY AND HEALTH (OSH) STUDENTS AT TERTIARY EDUCATION CONTEXT: STUDENTS' VOICES.....	420
<i>Sri Haryati, Dewi Rochsantiningsih, Gunarso Susilohadi, Hefy Suistyowati</i>	
Author Index	