

6th Annual International Seminar on Transformative Education and Educational Leadership (AISTEEL 2021)

Learning Revolution: Artificial Intelligence
to Innovate Technological Content
Knowledge (TPACK)

Advances in Social Science, Education and Humanities
Research Volume 591

Online

21 September 2021

Part 1 of 2

Editors:

**Bornok Sinaga
Rahmad Husein
Juniastel Rajagukguk**

ISBN: 978-1-7138-4119-7

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© (2021) 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=aisteel-21>

Printed with permission by Curran Associates, Inc. (2022)

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

PART 1

SESSION: VOCATIONAL EDUCATION AND EDUCATIONAL TECHNOLOGY

DEVELOPMENT OF CONTEXTUAL TEACHING LEARNING MODEL BASED ON BLENDED LEARNING	1
<i>Zunidar, Sahat Siagian, Hamid K. Abdul</i>	
THE DEVELOPMENT OF INTERACTIVE MULTIMEDIA ON ELECTRICAL MOTOR INSTALLATION BASED ON PROJECT BASED LEARNING FOR VOCATIONAL HIGH SCHOOL	10
<i>Siska Maria Matondang</i>	
IMPLEMENTATION OF INDUSTRIAL WORK PRACTICE MANAGEMENT.....	18
<i>Uli Anto Hutagalung, Zainuddin, Edidon Hutasuhut</i>	
THE EFFECT OF LEARNING STRATEGIES AND LINGUISTIC INTELLIGENCE ON THE RESULTS OF ENGLISH TEXTS READING COMPREHENSION FOR HIGH SCHOOL STUDENTS IN MEDAN.....	23
<i>Tiarmayanti Novita Sonia, Andrew Ryan Hasudungan Siallagan, Abdul Muin Sibuea, Sugiharto</i>	
THE DEVELOPMENT OF INTERACTIVE LEARNING MULTIMEDIA BASED ON PROBLEM BASED LEARNING ON SOFTWARE ENGINEERING SKILLS COMPETENCIES IN SMK.....	35
<i>Theodora Helena Hutagalung</i>	
DEVELOPMENT OF VIDEO LEARNING CONCEPT COUNTING ON KINDERGARTEN STUDENTS OF DARMA MEDAN MARINDAL.....	41
<i>Ravon Rolan Tua Marbun, Abdul Muin Sibuea, Erma Yulia</i>	
DEVELOPMENT OF WHATSAPP INSTANT MESSAGING APPLICATIONS AS ONLINE LEARNING MEDIA TO IMPROVE SOCIAL SCIENCE LEARNING OUTCOMES IN CLASS VIII SMP NEGERI 2 SUMBUL ACADEMIC YEAR 2020/2021	47
<i>Esra Ph Sitanggang, Hamonangan Tambunan, Naeklan Simbolon</i>	
DEVELOPMENT OF MULTIMEDIA-BASED LEARNING MODELS IN FOURTH GRADE ENGLISH AT AMALIYAH SUNGGAL ELEMENTRY SCHOOL	54
<i>Rizky Mahrani Lubis, Efendi Napitupulu, Naeklan Simbolon</i>	
DEVELOPMENT OF A UKEL KONDE BUN LEARNING VIDEO IN CLASS XI OF SMK NEGERI 3 TEBING TINGGI	63
<i>Puspita Fadli Hsb, R. Mursid, Farihah</i>	
DEVELOPMENT OF INTERACTIVE MULTIMEDIA BLENDED LEARNING BASED ON PROBLEM-BASED LEARNING ON ELECTRICAL LIGHTING INSTALLATION SUBJECTS: RESEARCH AND DEVELOPMENT AT ELEVENTH GRADE OF ELECTRICAL POWER INSTALLATION ENGINEERING AT VOCATIONAL HIGH SCHOOL 1 OF MERDEKA DISTRICT	68
<i>Guido Haga Sigiro</i>	

DEVELOPMENT OF INTERACTIVE LEARNING MEDIA BASED ON ADOBE FLASH TO IMPROVE RESULT OF LEARNING ELECTRICAL MOTOR INSTALLATION (IML) CLASS XI TITL SMK NEGERI 1 MERDEKA KARO REGENCY	75
<i>Tonny Hutagalung</i>	
DEVELOPMENT OF PROBLEM BASED LEARNING-BASED LEARNING TOOLS TO IMPROVE STUDENTS' CRITICAL THINKING SKILLS IN RETAIL BUSINESS MANAGEMENT SUBJECT CLASS XI BDP AT SMK NEGERI 7 MEDAN	82
<i>Cinta Agustina Sinaga, Mukhtar, Hamonangan Tambunan</i>	
THE ROLE OF THE ADVICE TRAINING MODEL IN IMPROVING MEDICAL PHYSICS COMPETENCY IN NORTH SUMATERA	86
<i>Ikhsan Bagatondi Nasution, Efendi Napitupulu, Harun Sitompul</i>	
THE EFFECTIVENESS OF THE STATISTICS LEARNING MODEL BASED ON CONSTRUCTIVIST TO IMPROVE THE STATISTICS LEARNING OUTCOMES OF STUDENTS IN THE BUILDING ENGINEERING EDUCATION STUDY PROGRAM.....	90
<i>Enny Keristiana Sinaga, Abdul Muin Sibuea, Julaga Situmorang</i>	
DEVELOPING THE LEARNING MEDIA VIDEO TUTORIAL OF ULA-ULA LEMBING DANCE WEB-BASED LEARNING ON CULTURAL ARTS SUBJECTS AT SMA NEGERI 2 KEJURUAN MUDA.....	97
<i>Ar Pilar Kuncoro, Samsidar Tanjung, Mursid</i>	
EFFECT OF GROUP INVESTIGATION MODEL AND COGNITIVE STYLE ON HISTORY LEARNING OUTCOMES AFTER CONTROLLING STUDENTS' INITIAL ABILITY	100
<i>Bambang Gulyanto, Harun Sitompul, Abdul Hasan Saragih</i>	
DEVELOPMENT OF LECTORA INSPIRE LEARNING MEDIA ON SHORT STORIES WITH ECOLOGY CONTENT FOR CLASS XI STUDENTS OF SMA NEGERI 1 PERCUT SEI TUAN.....	109
<i>Irma Yani Tarigan, Wisman Hadi, Khairil Ansari</i>	
THE DEVELOPMENT OF TEACHING MATERIALS TO WRITE EXPLANATORY TEXT USING AN ECOLOGICAL-BASED FLIPBOOK FOR GRADE XI STUDENTS AT SMA NEGERI 1 PADANGSIDIMPUAN 2021.....	112
<i>Mhd. Hamzah Fansuri Hsb, M. Oky Fardian Gafari, Wisman Hadi</i>	
DEVELOPMENT OF LECTORA INSPIRE LEARNING MEDIA WRITING ENVIRONMENT BASED DESCRIPTION TEXTS FOR STUDENTS OF CLASS VII SMP NEGERI 5 MEDAN.....	117
<i>Fitri Rahmayanti Ginting, Syahnan Daulay, Rosmawaty Harahap</i>	
DEVELOPMENT OF LEARNING MEDIA FOR GOOGLE SITES WRITING POETRY WITH A CONTEXTUAL APPROACH TO CLASS X STUDENTS OF SMA NEGERI 16 MEDAN.....	120
<i>Fitria, Khairil Ansari, Abdurahman Adisaputera</i>	
DEVELOPMENT OF ASSESSMENT INSTRUMENTS BASED ON HIGH-LEVEL THINKING SKILLS IN THE RECEPTIVE LANGUAGE SKILLS COURSE FOR UNIMED INDONESIAN LANGUAGE AND LITERATURE EDUCATION STUDENTS	123
<i>Atika Sadariah Nasution, Wisman Hadi, Evi Eviyanti</i>	
DEVELOPMENT OF ELECTRONIC LEARNING MEDIA IN FOLKLORE TEXTS WITH ASAHAN SOCIOCULTURAL CONTENTS FOR CLASS X STUDENTS OF SMK NEGERI 2 KISARAN	126
<i>Mira Sari Dewi, Abdurahman Adisaputera, Isda Pramuniati</i>	
DEVELOPMENT OF VIDEO MEDIA LEARNING BASIC TECHNIQUES OF TABLE TENNIS	129
<i>Samsuddin Siregar, Rosmaini Hasibuan, Muhammad Yan Ahady</i>	

DEVELOPMENT OF INTERACTIVE DIGITAL MODULE IN INDIVIDUAL COUNSELING COURSES.....	133
<i>Miswanto, Abdul Munir, Nurarjani</i>	
DEVELOPING DIGITAL STORY TELLING AND EDUCATIONAL GAMES TO IMPROVE EARLY CHILDHOOD COGNITIVE ABILITY.....	138
<i>Ditta Manullang, Humuntal Banjarnahor, Lisbet Simanjuntak</i>	
DEVELOPMENT OF INTERACTIVE WORLD HISTORY BABON BOOK APPLICATION BASED ON BIG DATA AS A DIGITAL LEARNING SOURCE FOR HISTORY EDUCATION STUDENTS IN MBKM CURRICULUM.....	147
<i>Abd. Haris Nasution, Flores Tanjung, Feri Andi Syuhada</i>	
DEVELOPING E-BOOKLET BASED ON HAIR TRIMMING VIDEO FOR BLENDED LEARNING.....	152
<i>Rohana Aritonang, Irmiah Nurul Rangkuti, Vita Pujawanti Dhana</i>	
DEVELOPMENT OF ANDROID-BASED LEARNING MULTIMEDIA FOR ELECTRICAL LIGHTING INSTALLATION COURSES IN VOCATIONAL HIGH SCHOOL.....	156
<i>R Rahmadani, E D Suryanto, M Affandi</i>	
OPTIMIZING THE SIBELIUS 7 APPLICATION IN MULTICULTURAL ART LEARNING BASED ON LEARNING OUTCOMES.....	160
<i>Sri Mustika Aulia, Putra Afriadi, Anada Leo Virganta, Try Wahyu Purnomo</i>	
DEVELOPMENT OF WEB-BASED SCOUTING TEACHING MATERIALS IN THE FACULTY OF SPORTS SCIENCES.....	165
<i>Saipul Ambri Damanik, Agung Sunarno</i>	
UTILIZING ADOBE CAPTIVATE TO DEVELOP FRENCH LITERATURE LEARNING MATERIALS.....	169
<i>R Afrianti, T R Soraya, M Linawati</i>	
JUNITA FRISKA' DEVELOPMENT OF PADLET MEDIA IN DIGITAL-INTERACTIVE-BASED PRODUCTION ÉCRITEINTERMÉDIAIRE LEARNING.....	176
<i>J Friska, P Sembiring</i>	
DEVELOPMENT OF DIGITAL-BASED LEARNING MEDIA IN SOCIOLINGUISTICS COURSES IN THE PANDEMIC ERA.....	183
<i>Emasta Evayanti Simanjuntak, Tangson R. Pangaribuan, Azhar Umar, Trisnawati Hutagalung</i>	
THE DEVELOPMENT OF E-BOOK LEARNING MEDIA ON BILINGUAL LEARNING COURSE.....	189
<i>Dody Feliks Pandimun Ambarita, Naeklan Simbolon, Eva Betty Simanjuntak, Andri Kristianto Sitanggang</i>	
TEACHING MATERIALS DEVELOPMENT USING KVISOFT FLIPBOOK MAKER APPLICATION IN CREATIVE ECONOMY COURSES WITH 4-D MODEL DESIGN.....	192
<i>P K D Lubis, D Adriani, A I Silitonga</i>	
DEVELOPMENT OF ANIMATION VIDEO MEDIA FOR BASIC MOTION LEARNING BASED ON FOLK GAMES AND TRADITIONAL GAMES IN CHILDREN 10-12 YEARS.....	197
<i>Suryadi Damanik, Abdul Hakim Siregar</i>	

DEVELOPMENT OF DIGITAL LEARNING VIDEO BASED ON THE CYBERLINK POWER DIRECTOR PROGRAM IN THE ERA OF LEARNING FREEDOM IN EDUCATION ECONOMICS COURSES.....	204
<i>Deni Adriani, Putri Kemala Dewi Lubis, Muhammad Andi Abdillah Triono</i>	
THE DEVELOPMENT OF ELEMENTARY SCHOOL SOCIAL SCIENCE COURSE TEACHING MATERIALS ON MOBILE-LEARNING BASED ANDROID TO INCREASE COLLEGE STUDENTS' ACADEMIC PERFORMANCE.....	209
<i>Husna Parluhutan Tambunan, Risma Sitohang, Yusra Nasution</i>	
LIVEBOARD MEDIA DEVELOPMENT IN LEARNING RÉCEPTION ECRITE DÉBUTANTE.....	212
<i>Dewi Tri Wibowo, Hesti Fibriasari, Tansa Trisna</i>	
DEVELOPING LEARNING MEDIA OF RÉCEPTION ORALE DÉBUTANT USING SMART APPS CREATOR APPLICATION.....	216
<i>L T Pawani, H Fibriasari, R Ramadhani, P Sembiring</i>	
DEVELOPMENT OF DIGITAL LITERATURE-LADEN WEB IN NORTH SUMATRA IN LEARNING COURSES SANGGAR BAHASA DAN SASTRA INDONESIA STATE UNIVERSITY OF MEDAN	225
<i>Diah Eka Sari, S Emasta Evayanti, Salmah Naelofaria</i>	
DEVELOPMENT OF APPLICATION-BASED BADMINTON LEARNING MODEL AT FACULTY OF SPORTS SCIENCE MEDAN STATE UNIVERSITY	232
<i>Usman Nasution, Ibrahim, Zulpikar Ilham</i>	
DEVELOPMENT OF INTERACTIVE E-MODULES BASED ON GOOGLE DOCS IN BASIC CONCEPTS OF BIOLOGY CURRICULUM MBKM UNIMED FIP PGSD STUDY PROGRAM	235
<i>Fahrur Rozi, Septian Prawijaya, Suyit Ratno</i>	
DEVELOPMENT OF BASKETBALL LEARNING MODEL BASED ON E-LEARNING AND MEDIA APPLICATIONS IN FACULTY OF SPORTS SCIENCES (FIK) MEDAN STATE UNIVERSITY	242
<i>Ade Ros Riza, Filli Azandi, Mawardinur, Nimrot Manalu</i>	
DEVELOPMENT OF APPLICATION-BASED SEPAK TAKRAW TEACHING MODEL AND E-LEARNING IN THE FACULTY OF SPORTS SCIENCES MEDAN STATE UNIVERSITY.....	247
<i>Ibrahim, Zulpikar Ilham, Usman Nasution</i>	
TESTING THE FEASIBILITY OF PROJECT BOOK DESIGN GEOTECHNICAL ENGINEERING THAT ASSISTED WITH THE PLAXIS 2D APPLICATION	252
<i>S Suhairiani, Nahesson Panjaitan, Enny Keristiana Sinaga</i>	
DEVELOPMENT OF EDMODO LMS-BASED TRANSFORMATION LEARNING MODEL FOR CHARACTER BUILDING OF MIDDLE EDUCATION UNIT STUDENTS IN NORTH SUMATRA PROVINCE.....	260
<i>Efendi Napitupulu, Hamonangan Tambunan, Nono Sebayang</i>	
DEVELOPMENT OF “CONCRETE WORK PRACTICE” LEARNING MEDIA BY USING THE ADDIE MODEL	266
<i>Syafiatun Siregar, Harun Sitompul, Kinanti Wijaya, Sempurna Perangin-Angin, Nono Sebayang</i>	
IMPLEMENTATION OF STEM AND SCIENTIFIC LITERACY’S ASPECTS THROUGH LESSON STUDY ON ENGLISH FOR SCIENCE COURSE: PRE-SERVICE SCIENCE TEACHER’S INITIAL KNOWLEDGE AND PLAN STAGE	272
<i>Aristo Hardinata, Djulia, Bukhari, Am Siregar</i>	

DIGITAL LITERACY ANALYSIS IN THE ONLINE LEARNING PROCESS	276
<i>Suci Frisnoiry, Tiur Malasari Siregar, Elfitra</i>	
DEVELOPING E-LEARNING OF KKNI-BASED CURRICULUM AND TEXTBOOK ANALYSIS TEACHING INSTRUMENTS IN ENGLISH EDUCATION STUDY PROGRAM, UNIMED	280
<i>Nora Ronita Dewi, Indra Hartoyo, Anggraini Thesisia Saragih</i>	
DESIGN OF WEB-BASED LIBRARY SYSTEM AT SMP KEMALA BHAYANGKARI 1 MEDAN	285
<i>Tansa Trisna Astono Putri, Ressy Dwitias Sari</i>	
THE DEVELOPMENT OF INNOVATIVE LEARNING RESOURCES WITH MULTIMEDIA TO SUPPORT ONLINE LEARNING IN TEACHING INDUSTRIAL MANAGEMENT	289
<i>Hasianna Nopita Situmorang, Saut Purba, Manihar Situmorang</i>	
LAVFISOLA (LABORATORIUM VIRTUAL FISILOGI OLAHRAGA) IN FACULTY OF SPORT SCIENCE, UNIVERSITAS NEGERI MEDAN	297
<i>Hariadi Umar</i>	
THE DEVELOPMENT OF WEB-BASED ASSESSMENT	300
<i>Sanusi Hasibuan, Muhammad Chairad, Chairul Azmi, M. Faisal Ansarai Nasution</i>	
DEVELOPMENT OF E-MAGAZINE BASED ON FLIPBOOK MAKER ON THE PATTERN DRAFTING HOME CLOTHING IN THE FACULTY OF ENGINEERING MEDAN STATE UNIVERSITY	303
<i>Surniati Chalid, Halida Hanim, Yudhistira Anggraini, Ulfa Annida Damanik</i>	
DEVELOPING DIGITAL STORYBOOK TO IMPROVE CHILDREN'S LANGUAGE LEARNING.....	309
<i>Hesti Fibriasari, Baharuddin, Syamsul Gultom, Syawal Gultom, Martina Restuati, Winsyah Putra Ritonga, Juhriansyah Dalle, Aminuddin Prahatama Putra, Danang Biyatmoko, Ariffin Abdul Mutalib, Cut Nora Azizah, Widya Andayani</i>	
THE DEVELOPMENT OF AUDIO-VISUAL LEARNING MEDIA TUTORIAL CRAWL SWIMMING BASIC SKILLS SWIMMING COURSE OF PKO FIK UNIMED PROGRAM 2021	320
<i>Zulfan Heri, M N Hasibuan, Puji Ratno, Shilvia Kumala, T Br Aruan</i>	
<u>SESSION: ECONOMICS, BUSINESS AND MANAGEMENT EDUCATION</u>	
MANAGEMENT ANALYSIS ON GATEBALL SPORT COACHING IN PERGATSI NORTH SUMATERA	324
<i>Warif Poltama Simorangkir, Muhammad Irfan, Budi Valianto</i>	
THE RELATIONSHIP OF FINANCIAL REPORTS ON PERFORMANCE ACCOUNTABILITY EDUCATION OFFICE OF BATU BARA REGENCY	328
<i>Mariani Meri Lumban Gaul, Nasirwa, Chandra Situmeang, Din Oloan Sihotang</i>	
ANALYSIS OF ECONOMICS MATHEMATICS LITERACY AND NUMERACY IN SUPPORTING THE IMPLEMENTATION OF DISTANCE LEARNING	332
<i>Tiur Malasari Siregar, Arnah Ritonga, Linda Septi Yanti Sianipar</i>	
INFLUENCE OF SCHOOL SUPERVISOR OF ACADEMIC SUPERVISION TO THE PROFESSIONALISM OF TEACHERS IN STATES OF ELEMENTARY SCHOOLS DISTRICT OF MEDAN AMPLAS	337
<i>Lukman Nasution, Benyamin Situmorang, Arif Rahman</i>	

INNOVATION DEVELOPMENT OF MICROECONOMICS E-MODULE BASED ON DISCOVERY LEARNING ON UTILITY FUNCTIONS	342
<i>Dede Ruslan, Putri Sari Margaret Julianty Silaban, T. Teviana, Dedi Irawan</i>	

SESSION: TEACHERS EDUCATION MODEL IN FUTURE

THE EFFECT OF FLIPPED LEARNING TO IMPROVE THE READING COMPREHENSION OF COLLEGE STUDENTS OF ELEMENTARY SCHOOL TEACHER STUDY PROGRAM ON PANDEMIC COVID-19	348
<i>Puji Hariati, Nurul Husnah Harahap, Mery Silalahi</i>	

THE RECOMMEND STRATEGY FOR SLOW LEARNERS DIFFICULTIES IN LEARNING SPEAKING AT HOMESCHOOLING	355
<i>Devi Lusiana, Anni Holila Pulungan, Rahmad Husein</i>	

THE DEVELOPMENT OF WEB-BASED LEARNING MEDIA ON THE CHASSIS AND DRIVE TRAIN MAINTENANCE OF LIGHT-VEHICLE TO IMPROVE STUDENTS' LEARNING ACHIEVEMENT AT VOCATIONAL HIGH SCHOOL	360
<i>Fredy Situmorang, Julaga Situmorang, Abdul Hasan Saragih</i>	

DIRECTIVE ILLOCUTIONARY ACT OF MALE AND FEMALE ENGLISH TEACHERS IN JUNIOR HIGH SCHOOL	364
<i>Euis Amalia, Rahmad Husein Napitupulu, Anni Holila Pulungan</i>	

THE EFFECT OF TEACHING STRATEGIES AND STUDENTS' INTEREST IN READING COMPREHENSION	368
<i>Badriyah Jamil Tanjung, Amrin Saragih, Anni Holila Pulungan</i>	

THE DESIGN OF DISCOVERY LEARNING MODEL	372
<i>Muhammad Hardi, Rahmad Husein, Meisuri</i>	

THE DEVELOPMENT OF ASSESSMENT INSTRUMENT MODELS OF MALAY DANCE ART	375
<i>Dilinar Adlin, Julaga Situmorang, Abdul Hasan Saragih</i>	

DEVELOPMENT OF APPLICATION BASED FOOTWORK TRAINING AIDS.....	383
<i>Teguh Septianto Putra</i>	

SESSION: MATHEMATICS,SCIENCE AND NURSING EDUCATION

DEVELOPMENT OF PROBLEM BASED LEARNING TOOLS TO IMPROVE STUDENTS' PROBLEM SOLVING ABILITY AND METACOGNITION ABILITY	388
<i>Randi Tampubolon, Bornok Sinaga, Mulyono</i>	

DIFFERENCES IN INCREASING MATHEMATICAL CRITICAL THINKING ABILITY OF STUDENTS USING THE STAD AND JIGSAW COOPERATIVE LEARNING MODEL FOR JUNIOR HIGH SCHOOL STUDENTS.....	398
<i>Desy Ayu Novianti, Mulyono, Bornok Sinaga</i>	

ANALYSIS OF MATHEMATICS PROBLEM SOLVING ABILITY BASED ON CONTEXTUAL TEACHING AND LEARNING MODELS ASSISTED BY MACROMEDIA FLASH ON PRIVATE JUNIOR HIGH SCHOOL STUDENTS AL-HIKMAH MEDAN	409
<i>Muhammad Arief Rivai, Bornok Sinaga, Ani Minarni</i>	

DEVELOPMENT OF PISA MODEL MATHEMATICAL PROBLEMS ON SPACE AND SHAPE CONTENT TO MEASURE PROBLEM SOLVING ABILITY MIDDLE SCHOOL MATHEMATICS.....	419
<i>Yulia Siska Siahaan, Edy Surya, Pargaulan Siagian</i>	
ANALYSIS OF MATHEMATIC MULTIPLE REPRESENTATIONS ABILITY BY APPLYING THE PROBLEM-BASED LEARNING MODEL (PBL) AT TENTH GRADE STUDENTS OF SMA N 1 PEGAGAN HILIR.....	428
<i>Pardamean Sinambela, E. Elvis Napitupulu, Zul Amry</i>	
ANALYSIS OF STUDENTS' DIFFICULTIES IN SOLVING SPATIAL PROBLEMS WITH WEBSITE-BASED GUIDED DISCOVERY LEARNING AT STATE HIGH SCHOOL 1 SILANGKITANG.....	435
<i>Khairul Umam Rambe, Edi Syahputra, Bornok Sinaga</i>	
ANALYSIS OF STUDENTS' VISUAL MATHEMATICAL THINKING ABILITY IMPROVEMENT USING MODEL LEARNING CONTEXTUAL TEACHING AND LEARNING	445
<i>Husni Tamrin Hrp, Edy Surya, Mulyono</i>	
DEVELOPMENT OF DISCOVERY LEARNING BASED INTERACTIVE MULTIMEDIA ON THE SUBJECT OF TRANSFORMATION FOR CLASS IX OF MTS NEGERI 3 LANGKAT.....	454
<i>Humaida Auzi, Edi Syahputra, R. Mursid</i>	
DEVELOPMENT OF BIOCHEMISTRY E-MODULE TO IMPROVE STUDENTS' HIGHER ORDER THINKING SKILLS.....	463
<i>Freddy Tua Musa Panggabean, Pasar Maulim Silitonga, Marudut Sinaga</i>	
THE DEVELOPMENT OF PROJECT-BASED INNOVATIVE LEARNING RESOURCES FOR TEACHING ORGANIC ANALYTICAL CHEMISTRY	468
<i>Dessy Novianty Pakpahan, Manihar Situmorang, Marham Sitorus, Saronom Silaban</i>	
DEVELOPMENT OF ELECTRONIC PUBLICATION BOOK (EPUB) BASED ON SCIENCE MULTI REPRESENTATION IN BASIC CONCEPTS OF PHYSICS AND CHEMISTRY COURSES.....	475
<i>Imelda Free Unita Manurung, Lidia Simanihuruk, Suyit Ratno</i>	
DEVELOPMENT OF JUNIOR HIGH SCHOOL MATHEMATICS E-MODULES BASED ON PROJECT BASED LEARNING INTEGRATED BY MERDEKA BELAJAR	480
<i>Prihatin Ningsih Sagala, Eri Widyastuti</i>	
DEVELOPMENT OF GENERAL CHEMICAL TEACHING MATERIALS (STOICHIOMETRY) IN AN INTEGRATED NETWORK OF MEDIA-BASED HIGHER ORDER THINKING SKILLS	487
<i>Jamalum Purba, Freddy Tua Musa Panggabean, Adi Widarma</i>	
MATHEMATICS LEARNING MEDIA DEVELOPMENT ASSISTED BY MACROMEDIA FLASH TO IMPROVE STUDENTS VISUAL THINKING ABILITY AND STUDENTS LEARNING MOTIVATION	493
<i>Mariani, Nurliani Manurung, Wingston Leonard Sihombing</i>	
DESIGN OF INTERESTING LEARNING MODULES WITH THE STEM APPROACH ON DYNAMIC ELECTRICAL MATERIALS.....	499
<i>Nursanti Situmorang, Juniastel Rajagukguk, Makmur Sirait</i>	

PART 2

SESSION: CURRICULUM, RESEARCH AND DEVELOPMENT

DIFFERENCES IN CREATIVE THINKING ABILITY IN FRACTIONAL MATERIAL BETWEEN CONTEXTUAL LEARNING BASED ON LEARNING STYLES AND DIRECT LEARNING IN GRADE 5TH ELEMENTARY.....	506
<i>Rospita Silaban, Bornok Sinaga, Ramlan Silaban</i>	
THE INFLUENCE OF LEARNING MODELS AND INITIAL ABILITY STUDENTS ON MATERIAL SCIENCE PROCESS SKILLS LIGHT AND PROPERTIES OF CLASS IV STUDENTS SD STATE 094099 SIRUBERUBE.....	513
<i>Junanshe Nando Sinaga, Hasruddin, Ramlan Silaban</i>	
DEVELOPMENT OF VIRTUAL LAB MEDIA TO IMPROVE STUDENT'S CRITICAL THINKING ABILITY.....	518
<i>Nur Fadhilah, Derlina, Rahmatsyah</i>	
DEVELOPMENT OF OBJECTIVE TEST FOR HIGH-LEVEL KNOWLEDGE OF HIGH SCHOOL PHYSICS MATERIALS ON TEMPERATURE AND HEAT	524
<i>Rizki Nursa'Adah, Sahyar, Wawan Bunawan</i>	
THE FLIPPED CLASSROOM: LEARNING REVOLUTION TO IMPROVE STUDENTS' ENGLISH SPEAKING SKILLS.....	531
<i>Etika Maeda Sohaya, Julaga Situmorang, Hamonangan Tambunan</i>	
STUDENTS' NEEDS FOR DEVELOPING ENGLISH TEACHING MATERIALS BASED ON ISLAMIC VALUES OF INTEGRATED LANGUAGE SKILLS FOR ISLAMIC ELEMENTARY SCHOOL.....	537
<i>Savitri Rahmadany, Rahmad Husein, Masitowarni Siregar</i>	
THE EVALUATION OF PHYSICAL, SPORTS AND HEALTH EDUCATION (PSHE) ONLINE LEARNING IMPLEMENTATION AT THE JUNIOR HIGH SCHOOL LEVEL IN SUMBUL DISTRICT DURING COVID-19 PANDEMIC PERIOD FOR THE 2020/2021 ACADEMIC YEAR.....	545
<i>Lokakarsa Purba, Nimrot Manalu, Muhammad Irfan</i>	
THE INFLUENCE OF PROBLEM BASED LEARNING MODEL AND CRITICAL THINKING SKILLS ON STUDENTS SCIENCE PROCESS SKILLS	553
<i>Dina Juni Anggriani Sinaga, Karya, Juniastel</i>	
DEVELOPMENT OF INTERACTIVE MULTIMEDIA-BASED SCIENCE TEACHING MATERIALS ON VIBRATION AND WAVE MATERIALS	560
<i>Harry Davince Gulo, Derlina, Rahmatsyah</i>	
EVALUATION OF PHYSICAL EDUCATION LEARNING PROGRAM AT THE WEST NIAS DISTRICT SENIOR HIGH SCHOOL.....	568
<i>Febry Hakim Nur Siregar, Nurkadri, Sanusi Hasibuan</i>	
DEVELOPMENT OF TEACHING MATERIALS BASED ON WEB IN PHYSICS LEARNING EVALUATION COURSE	580
<i>Dewi Ratna Pertiwi Sitepu, Derlina, Rahmatsyah</i>	

THE EFFECT OF PROJECT BASED LEARNING MODEL'S ON CRITICAL THINKING SKILLS, CREATIVE THINKING SKILLS, COLLABORATION SKILLS, & COMMUNICATION SKILLS (4C) PHYSICS IN SENIOR HIGH SCHOOL.....	585
<i>Rahma Khairani Putri, Nurdin Bukit, Mariati P Simanjuntak</i>	
ENHANCING THE CAPABILITY OF LANGUAGE TEACHERS IN DEVELOPING LESSON PLANS THROUGH ACADEMIC SUPERVISION OF STAFF MEETING TECHNIQUE AT SMP PABA BINJAI.....	593
<i>Dharwita Faradilla Nasution, Saut Purba, Darwin</i>	
DEVELOPMENT OF OPTICAL LEARNING MODULES BASED ON CRITICAL THINKING SKILLS	598
<i>Mardiana Afriany Simatupang, Motlan, Juniastel Rajagukguk</i>	
DEVELOPMENT OF STUDENT WORKSHEETS (LKPD) BASED ON PROBLEM BASED LEARNING TO IMPROVE LEARNING OUTCOMES IN BUSINESS ECONOMICS SUBJECTS CLASS X AT SMK SWASTA TAMAN SISWA MEDAN ACADEMIC YEAR 2020/2021.....	602
<i>Monika Karolina Sianturi, Arwansyah, Muhammad Yusuf</i>	
EXPLORATION OF SPIRITUALITY IN RETIREES TO CREATE AN ART ACTIVITY MODEL FOR ENHANCING SPIRITUAL WELL- BEING.....	608
<i>Weena Thanachaisakul, Ariyabhorn Kuroda</i>	
DEVELOPMENT OF MEDIA USING ADOBE FLASH CS6 WITH A LEARNING BY DOING APPROACH SEWING TECHNOLOGY IN THE STUDENT GRADE X VOCATIONAL HIGH SCHOOL OF FASHION DESIGN	623
<i>Martha Linora Br. Sitompul, Harun Sitompul, Farihah</i>	
EVALUATION OF EDUCATION AND TRAINING PROGRAM DIKLAT INCREASING THE COMPETENCE OF VOCATIONAL SCHOOL TEACHERS IN THE CENTER FOR THE DEVELOPMENT OF QUALITY ASSURANCE OF EDUCATION VOCATIONAL BUILDINGS AND ELECTRICITY (BBPPMPV BBL) MEDAN	634
<i>Rahelina Br Ginting, Abdul Hasan, Sahat Siagian</i>	
ANALYSIS OF ASPECTS OF SCIENTIFIC LITERACY ON ANATOMY AND PHYSIOLOGY OF THE HUMAN BODY TEXTBOOKS UNIVERSITY IN MEDAN CITY	643
<i>Rahmad Gultom, Martina Restuati, Tumiur Gultom</i>	
MODEL OF SPORT MASSAGE SERVICES ON ATHLETS AND COMMUNITIES BASED ON SPORTS INDUSTRY	652
<i>Suprayitno, Zen Fadli, Onyas Widianingsih</i>	
<u>SESSION: EDUCATION AND RESEARCH GLOBAL ISSUE</u>	
DEVELOPMENT OF E-MODULE LEARNING BASIC SEWING TECHNOLOGY BASED ON DISCOVERY LEARNING FOR TENTH GRADE FASHION STUDENTS OF VOCATIONAL HIGH SCHOOL CITRA HARAPAN.....	657
<i>Hutabarat Nur Nahar, Ampera Dina, Farihah</i>	
PRIMARY SCHOOLS ONLINE LEARNING STRATEGIES IN COVID-19 ERA.....	662
<i>Windari, Rosmala Dewi, Rosnelli, Din Oloan Sihotang, Johannes Sohirimon Lumban Batu</i>	
TYPES OF STRATEGIES IN ENGLISH ONLINE LEARNING TO INCLUSIVE STUDENTS	668
<i>Arjuna Peranginangin, Rahmad Husein, Sumarsih</i>	

ONLINE LEARNING IMPLEMENTATION DURING THE COVID-19 PANDEMIC.....	676
<i>M Basir Hasibuan, Syawal Gultom, Wildansyah, Regina Sipayung</i>	
EVALUATION OF PSHE ONLINE LEARNING USING SIGUM (SISTEM INFORMASI GURU MENGAJAR) AT STATE SENIOR HIGH SCHOOLS IN BINJAI FOR A.Y 2020/2021	681
<i>Farid M. Alhumary, Suprayitno, Sanusi Hasibuan</i>	
TYPES OF INDONESIAN SENTENCES BY TEN YEARS OLD RECEPTIVE CHILD.....	691
<i>Yeni Monalisa Gultom</i>	
LANGUAGE IMPOLITENESS STRATEGIES USED BY HEADMASTER WITH REFERENCE TO THE LEVEL OF EDUCATION IN SCHOOL AREA	700
<i>Khairunnisa, Amrin Saragih, Sri Minda Murni</i>	
INQUIRY LEARNING MODEL TO IMPROVE STUDENT’S QUICK READING ABILITY.....	705
<i>Epi Supriyani Siregar, Abdul Muin Sibuea, Julaga Situmorang, Alwi Fahrury Nasution, Dicky Edward Daulay, Joko Priono</i>	
THE EFFECT OF TECHNOLOGY SKILLS AND WORK ETHOS ON TPACK TEACHERS OF SMP NEGERI BATU BARA REGENCY.....	710
<i>Hottua Samosir, Benyamin Situmorang, Eka Daryanto</i>	
THE DEVELOPMENT OF ATTITUDES AND PROFESSIONAL SKILLS OF ECE TEACHERS FIELD INTRODUCTION ACTIVITIES.....	715
<i>Anita Yus, Peny Husna Handayani, Dwi Septi Anjas Wulan, Artha Mahindra Diputera</i>	
IMPROVING THE TEACHING AND LEARNING QUALITY TOWARDS ASEAN UNIVERSITY NETWORK (AUN) STANDARDS: STUDY IN: POSTGRADUATE SCHOOL OF UNIVERSITAS NEGERI MEDAN.....	721
<i>Bornok Sinaga, Sahyar, Darwin</i>	
NEEDS ANALYSIS FOR DESIGN OF AUGMENTES REALITY ASSESSMENT (ARA) IN HIGHER EDUCATION.....	730
<i>Elfitra, Tiur Malasari Siregar, Suci Frisnoiry</i>	
THE INFLUENCE OF PRINCIPAL’S LEADERSHIP AND TEACHER’S PROFESSIONALISM ON TEACHER’S PERFORMANCE AT MUHAMMADIYAH PRIVATE JUNIOR HIGH SCHOOL IN MEDAN	737
<i>Muhammad Yakub, Zainuddin, Harun Sitompul</i>	

SESSION: SOCIAL, LANGUAGE AND CULTURAL EDUCATION

ILLOCUTIONARY ACTS IN PANGGIH CEREMONIES IN TEGAL AND THOSE IN TANJUNG MORAWA.....	742
<i>Ratika Astimawati, Amrin Saragih, Anni Holila Pulungan</i>	
LEXICAL METAPHOR IN INDONESIAN VERSION OF SURAH AL-KAHFI.....	748
<i>Mirwana Siska, Zainuddin, Anni Holila Pulungan</i>	
ADDRESS SYSTEM OF GAYONESE LUT AND DERET IN BENER MERIAH.....	753
<i>Cut Kemala Sari, Zainuddin, Anni Holila Pulungan</i>	
CONVERSATIONAL MAXIMS OF OPERATION TARGETS IN POLICE INVESTIGATIVE INTERVIEWS.....	756
<i>Ade Fitriani Siregar, Sumarsih, Sri Minda Murni</i>	

EFL POLITENESS IN REFUSALS BY STUDENTS OF DIFFERENT CULTURE AND INTERLANGUAGE STAGES	764
<i>Widya Wulandari, Berlin Sibarani, Anni Holila Pulungan</i>	
LANGUAGE STYLE USED IN DEDDY CORBUZIER PODCAST YOUTUBE CHANNEL.....	771
<i>Togi Bertuah Silalahi, Rahmad Husein, Sumarsih</i>	
THE ACQUISITION OF INDOENSIAN VERBS AND NOUNS BY TWO YEARS OLD BATAK MANDAILING CHILDREN	777
<i>Ahmad Rozik Harahap, Siti Aisyah, Anni Holila Pulungan</i>	
PARENTS ROLE IN CHILDREN BILINGUAL DEVELOPMENT.....	781
<i>Amelia Fitrika Sitepu, Berlin Sibarani, Sumarsih</i>	
INTERPERSONAL METAPHOR IN R. S. REGIN SILVEST AND MALINI GANAPATHY'S ANTHOLOGY OF COVID-19 POEMS.....	789
<i>Sri Rezeki, Amrin Saragih, Winda Setiasari</i>	
GENDER STYLE OF HUMOR AT COFFEE SHOP	794
<i>Zetira Ahmad, Anni Holila Pulungan, Sumarsih</i>	
THE CONTRIBUTION OF LOCAL WISDOM VALUES IN MARSURUPAN TRADITION OF ANGKOLA WEDDING CEREMONY TO CHARACTER EDUCATION.....	799
<i>Habib Rahmansyah, Robert Sibarani, Ikhwanuddin Nasution, Syahron Lubis</i>	
METAPHORS IN PANTUN FOR WEDDING CEREMONY IN MALAY LANGKAT TRADITION	803
<i>Afrida Hanum, Anni Holila Pulungan, Siti Aisyah Ginting</i>	
METAPHOR IN BAHASA BATAK ANGKOLA JULU PROVERB	807
<i>Lenni Marlina Harahap</i>	
FILLERS USED BY ENGLISH DEPARTMENT'S STUDENTS OF STATE UNIVERSITY OF MEDAN	814
<i>Nadya Nurfadilah, Ani Holila Pulungan, Amrin Saragih</i>	
TYPES OF SEMANTIC EMOTION OF COVID-19 NEWS AFTER INTRODUCTORY VACCINE ON TWITTER.....	818
<i>Friska Pakpahan, Anni Holila Pulungan, Meisuri</i>	
EMOJI IN WHATSAPP GROUP CONVERSATION: STUDY ON BARTHES THEORY OF SEMIOTICS.....	824
<i>Rahma Yulia Syahfitri, Sumarsih, Muhammad Natsir</i>	
EDUCATIONAL CONSIDERATION IN THE TEXTBOOKS: A SYSTEMIC LINGUISTIC-BASED STUDY.....	829
<i>Inatigris Anggriani Harahap, Amrin Saragih, Zainuddin</i>	
TYPES OF MODALITY IN TEACHER-TO-TEACHER TALK OF FORCED ONLINE LEARNING AMIDST COVID-19 PANDEMIC.....	831
<i>Citra Laoli, Rahmad Husein, Anna Tambunan</i>	
TRANSITIVITY SYSTEM IN CNN ONLINE NEWS	835
<i>Nurul Qomariah, Amrin Saragih, Sri Minda Murni</i>	
DISCOURSE MARKERS USED BY STUDENTS IN NONFORMAL EDUCATION	840
<i>Atikah Nurul, Saragih Amrin, Zainuddin</i>	

IMPOLITENESS STRATEGIES USED BY STUDENTS IN ENGLISH ONLINE LEARNING THROUGH ZOOM DURING PANDEMIC COVID-19	844
<i>Suchroni Panjaitan, Sumarsih, Siti Aisah Ginting</i>	
THE PASSIVE VOICE CONSTRUCTION OF HORONG NI HULA HULA UTTERANCES IN BATAK TOBA WEDDING CEREMONY	848
<i>Posma Siahaan, Didik Santoso, Anni Pulungan</i>	
VIOLATION MAXIMS OF MAIN CHARACTERS IN KELUARGA BETI COMEDY SERIES.....	857
<i>Asrah Raihana, Amrin Saragih, Rahmad Husein</i>	
THE IMPLEMENTATION OF E-LEARNING IN TEACHING WRITING TO UNDERGRADUATE STUDENTS OF UINSU	862
<i>Ali Habibi, Berlin Sibarani, Rahmad Husein</i>	
STUDENTS' ATTITUDE IN LEARNING ENGLISH CONVERSATIONS	866
<i>Sury Utami, Rahmad Husein, Zainuddin</i>	
TRANSLATION QUALITY OF SUBTITLE TEXT IN GRETA'S MOVIE.....	871
<i>Zahara Marhamah, Anni Holila, Zainuddin</i>	
ACQUISITION OF SENTENCE BY A THREE-YEAR-OLD INDONESIAN BOY: A CASE STUDY ON M. GENTAMAS RANSI ALDEN	875
<i>Fadhila Hayani, Siti Aisyah Ginting, Rahmad Husein</i>	
FIGURES OF SPEECH ON POLITICAL HEADLINE: WASPADA AND SINAR INDONESIA BARU (SIB) NEWSPAPER	879
<i>Ade Nurfitriani Harahap, I Wy Dirgeyasa, Anni Holila Pulungan</i>	
EXPLORING THAI EFL UNIVERSITY STUDENTS' GROWTH LANGUAGE MINDSETS: THE BELIEFS ABOUT THE ROLE OF TALENT AND EFFORT	885
<i>Chayachon Chuanon, Ariyabhorn Kuroda, Panadda Yuankrathok</i>	
DEIXIS IN THE HOLY QURAN SURAH AL-MULK	890
<i>Ulya Muharrami, Rahmad Husein, Siti Aisah Ginting</i>	
FIKI NAKI'S SUBTITLING STRATEGIES IN YOUTUBE CHANNEL	895
<i>Noveyona Eny, Minda Murni Sri, Dirgeyasa I Wy</i>	
MORAL AND SOCIAL VALUES IN THE NOVEL SI ANAK PINTAR BY TERELIYE AND ITS USEFULNESS AS READING MATERIALS AT SMA DWITUNGGAL TANJUNGMORAWA	898
<i>Puteri Sion Aritonang, Oky Fardian Gafari, Elly Prihasti Wuriyani</i>	
DIFFUSION OF CIVIC ENGAGEMENT LITERACY WEBSITE INNOVATION OF VILLAGE COMMUNITIES AS AN ALTERNATIVE TO BUILDING PARTICIPATORY VILLAGES: STUDY OF TUMPATAN VILLAGE, BERINGIN DISTRICT, DELI SERDANG REGENCY, NORTH SUMATRA.....	905
<i>Abdinur Batubara, Ramsul Nababan, Maryatun Kabatiah, Fazli Rachman</i>	
INDONESIAN FOOD PROCESSING RECIPE APPLICATION AS AN ANDROID-BASED LEARNING MEDIUM IN STUDENTS OF CULINARY STUDY PROGRAM	913
<i>Sulistawikarsih, Dian Agustina, Mawadda Azizah Sari Waruwu</i>	

SESSION: EDUCATIONAL POLICY AND ADMINISTRATION EDUCATION

- ACADEMIC SUPERVISION PROGRAM BY SCHOOL SUPERVISORS TO IMPROVE THE QUALITY OF LEARNING AT THE STATE VOCATIONAL HIGH SCHOOL 3 BANDA ACEH 917
Zahraini, Benyamin Situmorang, Rosneli
- DEVELOPMENT OF TRAINING MANAGEMENT MODEL BASED ON INFORMATION AND COMMUNICATION TECHNOLOGY TO IMPROVE ICT COMPETENCY TEACHERS' IN SMK NEGERI 12 MEDAN 925
Fatimasari Nasution, Irwandi, Arif Rahman, Achiruddin Siregar
- INQUIRIES-BASED LEARNING WORKSHOP ONE OF TEACHER DEVELOPMENT TO IMPROVE THE QUALITY OF LEARNING IN SANTA LUSIA SEI RATTAN PRIVATE JUNIOR HIGH SCHOOL 931
Listaran Sinurat, Arif Rahman, Zulkfli Mantondang, Fatima Sari Nasution
- DISTANCE LEARNING POLICY ANALYSIS DURING THE COVID-19 PANDEMIC 937
Jonson Rajagukguk, Benyamin Situmorang, Arif Rahman, Johannes Sohirimon Lumban Batu
- SCHOOL MANAGEMENT BASED ON THE BALANCED SCORECARD AT SMA NEGERI 2 LINTONG NIHUTA, HUMBANG HASUNDUTAN REGENCY 943
Hirim Sarimauli Lumban Gaol
- ACCREDITED NON-FORMAL BASIC EDUCATION FOR OUT-OF-SCHOOL MIGRANT CHILDREN IN THAILAND 948
Sandar Lwin, Ekkarin Sungtong, Warapark Maitreephun
- ANALYSIS OF SMARTPHONE POLICY AS A LEARNING MEDIA ON COMMUNITY HEALTH STUDY PROGRAM IN STIKES NAULI HUSADA SIBOLGA 952
Mei Yati Simatupang, Sri Ngayomi Yudha Wastuti, Lely Desi Uli Basana, Tinawati Nainggolan
- THE EFFECT OF TRANSFORMATIONAL LEADERSHIP OF SCHOOL PRINCIPLES, SCHOOL COMMITTEE PARTICIPATION, TEACHER PERFORMANCE, AND SCHOOL CULTURE ON CHILDREN-FRIENDLY SCHOOL PERFORMANCE AT PUBLIC PRIMARY SCHOOL IN DELI SERDANG REGENCY 957
Jumakir, Sri Milfayetty, Ibnu Hajar

SESSION: TRANSFORMATIVE LEARNING AND EDUCATIONAL LEADERSHIP

- SCHOOL LEADERSHIP STRATEGIES IN THE DIGITAL ERA 969
Tota Maria Nababan, Zainuddin, Saut Purba, Johannes Sohirimon Lumban Batu, Godlif Sianipar
- STRATEGY TO BECOME A GREAT PRINCIPAL 973
Hottua Samosir, Benyamin Situmorang, Eka Daryanto
- DEVELOPMENT OF DIGITAL WORKSHEETS ABOUT INTEGRAL AS TEACHING MATERIALS IN THE COVID ERA 978
Ade Andriani, Izwati Dewi, N Siregar
- CENTER OF LABORATORY PROJECT (COLAP) NEEDS ANALYSIS IN LEARNING 983
Tiur Malasari Siregar, Suci Frisnoiry, Elfitra

DESIGN AND VALIDATION OF LESSON PLAN DEVELOPMENT IN MATERIALS TECHNOLOGY COURSES WITH AN OUTCOME-BASED EDUCATION APPROACH.....	988
<i>Sutrisno, Siti Zulfa Yuzni, Nono Sebayang, Mena Fadillia Lukman, Kinanti Wijaya, Iswandi Idris, Ruri Aditya Sari, Agnita Yolanda</i>	

SESSION: SOCIAL, LANGUAGE AND CULTURAL EDUCATION

MAPPING THE DISTRIBUTION OF STUNTING TODDLERS IN SUPPORTING THE SUCCESSFUL ACHIEVEMENT OF THE MILLENIUM DEVELOPMENT GOALS (MDGS) IN DELI SERDANG DISTRICT	994
<i>Hesti Fibriasari, Baharuddin, Dina Ampera, Syamsul Gultom, Restu, Winsyahputra Ritonga, Nurpelita Sembiring, Sukma Erni</i>	

NEOCLASSICAL ARCHITECTURE AS A STYLE INFLUENCED BY LOCAL CONTENT AND ITS ROLE IN EDUCATION.....	1005
<i>Imam Faisal Pane, Hilma Tamiami Fachrudin</i>	

Author Index