PROCEEDING
International Seminar
“Be The Leading Entity in Education”

FACULTY OF TEACHER TRAINING AND EDUCATION
SATYA WACANA CHRISTIAN UNIVERSITY
Salatiga, Central Java, Indonesia
JUNE 27th-28th, 2012

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CONTENTS

Preface

Message by Dean of Faculty of Teacher Training and Education, Satya Wacana Christian University vi
Message by Chair Committee viii

Education Policy

Jonan Donaldson
SCHOOL IS OUT, EDUCATION IS IN 1

Bambang Ismanto
FINANCING EDUCATION IN COMMUNITY EMPOWERMENT IMPLEMENTATION 12 YEAR COMPULSORY EDUCATION IN THE DISTRICT / CITY OF CENTRAL JAVA PROVINCE 8

Bambang S. Sulasmono
SHARIAH PRESERVE IN ALL SCHOOLS: STUDY ‘JOGJA CASES FROM 1998 TO 2003’ 18

Mawardi
THE RELEVANCE OF CURRICULUM, ALUMNI, COMPETENCE, AND USER SATISFACTION ON GRADUATES OF STUDY PROGRAM ELEMENTARY TEACHER TRAINING AND PEDAGOGY, FACULTY OF TEACHER TRAINING AND PEDAGOGY, SATYA WACANA CHRISTIAN UNIVERSITY 29

Rani Argi Puspitasari
THE ROLE OF INDONESIAN IN TEACHING ENGLISH IN RSBI SMAN 1 SALATIGA: TEACHERS’ PERSPECTIVES 44

Theophanny P. Th. Rampisela
THE IMPACTS OF SCHOOL SCHEDULE FOR STUDENTS LEARNING 54

Innovation in Education

Agus Kristiyono, Novisita Ratu
STUDENTS’ ACHIEVEMENT IN MATHEMATICS USING INTERACTIVE CD ON LEARNING FUNCTION - CASE STUDY IN SMK PGRI 02 SALATIGA 60

Arif Kriswahyudi
SKILL IMPROVEMENT OF LEARNING MATERIAL UNDERSTANDING BY STUDENT BASED BINTANG REPORTASE METHODS (A STUDY OF CIVIC IN SMA NEGERI 1 PABELAN KABUPATEN SEMARANG) 66
Atalya Agustin
THE EFFECTIVENESS OF WRITTEN EXPRESSION METHOD AND
VISUAL EXPRESSION METHOD IN CREATIVE AND
PRODUCTIVE MODEL ON STUDENTS’ ACADEMIC ACHIEVEMENT
OF SHORT STORY APPRECIATION AND CREATIVE WRITING
IN THE INTERACTION WITH STUDENTS’ INTEREST
IN LITERARY WORKS

Hery Suharna
REFLECTIVE THINKING PRE-SERVICE TEACHERS IN LEARNING

Mei Lane T.S, Susi Lestariyani, Wendy Kumala D, Theresia W.
APPLYING COOPERATIVE LEARNING NUMBERED HEAD
TOGETHER (NHT) TYPE IN TRIGONOMETRI TOPIC ON XB GRADE
STUDENT OF TELEKOMUNIKASI TUNAS HARAPAN
VOCATIONAL HIGH SCHOOL

Nanick Sulistyawardani
THE EFFECTIVENESS OF INQUIRY LEARNING APPROACH IN THE
SOCIAL LABORATORIUM TO THE INCREASING OF LEARNING
CREATIVITY IN SOCIAL STUDY SUBJECT (IPS) TO THE
FIFTH GRADE ELEMENTARY SCHOOL STUDENTS

Anggi Cahyo S, Nyaji Yanti N.S, Dwi P. Sambodo, Kriswandani
INFLUENCE OF PAIKEM GEMBROT MODEL TO MATHEMATICS
STUDENTS’ ACHIEVEMENT GRADE X ACCOUNTING I DIPONEGORO
VOCATIONAL HIGH SCHOOL SALATIGA

Petra Kristi Mulyani
ADVANCED DIAGNOSIS AND INSTRUCTIONAL INTERVENTIONS
OF LITERACY PROBLEMS ON WRITING: A CASE STUDY TO AN
IRANIAN THIRD GRADE STUDENT

Saptanti Ana, Efi Setyorini, Septi Anggraini, Inawati Budioni
INFLUENCE OF JIGSAW TYPE OF COOPERATIVE LEARNING MODEL
TOWARDS STUDENTS’ LEARNING MOTIVATION IN CIRCLE TOPIC
ON STUDENTS GRADE VIII PANGUDI LUHUR JUNIOR HIGH SCHOOL
SALATIGA

Silindung Ester Hanaya, Marmi Sudarmi, Wahyu Hari Kristiyanto
DEVELOPING COMIC FOR PHYSICS LESSON MEDIA WITH
ELECTRIC CURRENT TOPIC

Sukis Gunawan, Heru Budi, Obaja Frando Dasuha, Silvia Afriani
EFFORTS TO IMPROVE THE RESULTS OF CLASS X STUDENT
MAJORING IN ACCOUNTING B SMK DIPONEGORO SALATIGA
ON THE MATERIAL THROUGH A LINEAR PROGRAM OF
TYPE STAD COOPERATIVE LEARNING MODEL
Wahyudi 153
THE DEVELOPMENT OF ELECTRONIC TEACHING MATERIALS MULTIMEDIA WITH MACROMEDIA FLASH 8.0

Moral and Ethical Issues in Education

Astia Meilinda Supriyadi, Yari Dwikurnaningsih, Yustinus Windrawanto 162
REDUCING BULLYING THROUGH SEQUENTIALLY PLANNED INTEGRATIVE COUNSELING FOR CHILDREN (SPICC)
GROUP COUNSELING FOR K-5 STUDENT OF SD N PASEKAN 03 AMBARAWA

Christiana Hari Soetjiningsih 170
THE LEVEL OF CHARACTER STRENGTHS ON UNIVERSITY STUDENTS

F.X. Wartoyo 177
ASSESSMENT ON CHARACTER EDUCATION

Magdalena 182
THE EFFECTIVE BIBLICAL DESIGN PATTERN OF CHILD EDUCATION WITHIN THE FROM 7-12 TO PROCESS THE DISCIPLES’ CHARACTER BUILDING

Multicultural Education

Khurtina 193
THE USE OF ISSUE DRIVEN APPROACH THROUGH CHILDREN STORY: A WAY OF TEACHING MULTICULTURAL LITERATURE TO YOUNG LEARNER

Wahyu Purwiyastuti 205
PORTRAIT OF SADAR WISATA GROUP IN SURAKARTA
PREFACE

Message by Dean of Faculty of Teacher Training and Pedagogy
Satya Wacana Christian University

Dr. Bambang S. Sulastmono, M.Si.
Dean of Faculty of Teacher Training and Pedagogy

Distinguished speakers and honorable presenters and participants

First of all, I would like to say thank you very much to Mr. Jonan Donaldson, Dr. Megawati Santoso, Mr. Ajar Budi Kuncoro, Mr. Mark Woodward, and Mr. Pradeep Gupta. Thank you very much for your willingness to present in this International Seminar. This seminar would not be that wonderful without your presence here.

In this opportunity, allow me to highlight some important points of this seminar. First, from Ibu Megawati we learn that to be a leading entity in Education in globalization era is mean that we must fulfill national qualification standard in order to succeed in international competition in a global world. The main implication is that all education institutions should redesign their curriculum in order to better prepare their students to be qualified in international job competition. But the most important implication of that policy is that all students, parents, and stakeholder should be aware that the education process is not just a process of earning a degree/title, but it is really a process of producing qualified and certified person. Because in the global era, whoever we are, we must run, run, and always run to be the winner in the global competition, and it means that we should be the leading entity in education.

Second, from Mr. Jonan Donaldson presentations we learn about
a. Educators nowadays should change their paradigm from traditional one to more contemporary one; giving more chances/opportunities to students to be more creative and innovative. Educators should create environments where mistakes are seen as parts of the learning process. Students should have higher levels of power over their own learning, and should be allowed to be intrinsically motivated. In turn, educators should remove grades as extrinsic motivation, remove reward and punishment, replace tests with projects, and use student-made rubrics to assess their grade mastery. To do these, educators should use project based learning, collaborative learning and inquiry based learning in their teaching-learning processes.

b. The teachers must make students have critical thinking about everything that happen around them through media and digital literacy without leaving traditional literacy. It is important for LPTK (Faculty of teacher’s training and education) to facilitate the students to understand better about media and digital literacy.

Third, from Bapak Ajar Budi Kuncoro’s presentation we learn about the importance of active learning. We have to realize that active learning is not just a program from the government, but it’s also something that we must do. Pak Ajar points out three things for the sustainability of active learning:
1. The role of principals and supervisors: monitor, supervise, and provide assistance for teachers.
2. Support from the government: budget allocation and policy
3. Change in mindset and mentality of teachers

Fourth, from Dr. Mark Woodward we learn that there are some empirical evidences prove that education about religion doesn’t diminish exclusivist thinking. So, Mark suggests that we need civic pluralism. Mark says that civic pluralism draws on the ideas that people enjoy the right to express and actively pursue their identity, be it on ethnic, religious or other grounds. It also focuses on how people can live together. The main educational strategies are: a) rejection of the idea of “religious others” as existential threats; b) emphasis on shared values, and emphasis on positive results of inter-confessional cooperation to solve common problems.

Fifth, from Mr. Pradeep Gupta we have seen how the qualified higher educational system grows rapidly in India. Moreover there are many opportunities for us to study in some universities in India, through the various scholarship schemes. I hope our faculty members will be awarded scholarship.

And last but not least, from all presenters in the concurrent sessions, we found there are many researches, best practices, and lessons learned that encourage us to move on research based teaching. Hopefully, we will find more researches and best practices in the next seminar. Thank you and see you in the next seminar. GBU's.
Message by Chair of the Organizing Committee

Petra Kristi Mulyani, M.Ed.
Chair, Organizing Committee

Distinguished speakers and honorable presenters and participants

Let us first of all extend to everyone present here our warmest greetings and heartfelt welcome to this auspicious occasion, International Seminar ‘Be The Leading Entity in Education’ at Faculty of Teacher Training and Pedagogy, Satya Wacana Christian University (SWCU).

My special welcome and appreciation go to Megawati Santoso, Ph.D., Indonesian Qualification Framework Team Coordinator at Directorate General of Higher Education, Ministry of National Education, Indonesia; Jonan Donaldson, Faculty Support Specialist for Distance Education and Academic Technology at Chemeketa Community College, Oregon, USA; Ajar Budi Kuncoro, Provincial Liaison, Bridging Team of USAID Basic Education; Mark Woodward, Ph.D. University of Illionis at Urbana – Champaign USA; and Pradeep Gupta ,Second Secretary for Education & ASEAN, The Embassy of The Republic of India.

I would like to extend my deep gratitude to Prof. John A. Titaley, Rector of SWCU; Ferdy Samuel Rondonuwu, Ph.D., Vice Rector V of SWCU; Prof. Sutriyono, and Prof. Lobby Loekmono, Steering Committee; to the Organizing Committee members Susanti, Ajeng Ayu Widiastuti, Sapto Irawan, Adriana Setyawati, Yari Dwikurnaningsih, Y. Windrawanto, Kristien W. H., Bambang Ismanto, Wahyu Purwiyastuti, Kriswandani, Stefanus Christian Relmasira, Novisita Ratu, Henny Dewi K., Lanny Wijayaningsih, Arief Sadjarto, Setyorini; and to all students Organizing Committee members.

Faculty of Teacher Training and Pedagogy International Seminar this year will be the start of the upcoming years’ international seminars in this faculty. Faculty of Teacher Training and Pedagogy perceive the need to acquire and to share the results of current research and best practices in education as a good opportunity to maximize the role of alumni of the faculty and all education practitioners from various institutions to fulfill nowadays needs of education. This international seminar can also function as arena of scientific discussion among practitioners in education. There are a variety of topics and presentations of this seminar. Those include the research results and best practices in the following areas: education policy, education management, innovation in education, inclusive education, moral and ethical issues in education, multicultural education, and teacher performance.

Participants and presenters in this seminar are expected to come from a variety of educational practitioners like teachers, professors, staff of private institutions, government officials, religion leaders, foundation owners, counselors, researchers, students, etc. not only from the Faculty of Teacher Training and Education, Satya Wacana Christian University, but also from various universities, schools, institutions, and agencies in Indonesia and abroad.
Finally, we’re hoping that you will get the best benefit in joining this seminar. We expect you to join us in our international seminars in the following years. We have the responsibility to serve in education, which is part of our responsibility to increase education quality through acquiring and sharing the results of current research and best practices, partly fulfilled through this seminar. We’re hoping to see you by next year.

God’s blessings are always with you.

Salatiga, June 28, 2012
THE DEVELOPMENT OF ELECTRONIC TEACHING MATERIALS
MULTIMEDIA WITH MACROMEDIA FLASH 8.0

Wahyudi

Abstract

The advances of technology happen so rapidly and they have an impact on people's lives. The impact also approaches the education world which is computers and the Internet are used to become a media of learning. This utilization facilitates the students to study and get the information in a short time. This condition is also done by SWCU through the media of E-learning which is Flexible Learning. But the learning models are not all equipped with teaching materials to facilitate student learning. The prepared materials are still dominated by moving the books in electronic form (file). The purpose of this research is to develop electronic learning materials multimedia with macromedia flash 8.0 to the basic concept of mathematics course.

This research is a research development. The stages of development is done in four phases, namely: (1) the needs analysis phase, (2) the design phase of the development model, (3) the development phase and evaluation, (4) dissemination stage of the final product. The data collection techniques use the expert judgment and trial products. The instrument used was an expert validation sheet, closed questionnaire responses of students to the use of instructional materials in teaching, an open questionnaire to provide feedback about learning and teaching materials used, and also the test questions to see the impact of learning is used.

These results indicate that the multimedia-based on electronic teaching materials with Macromedia Flash 8 is made to have a good category in terms of material and media. These materials can help facilitate student learning about the system of linear equations in three variables. The trials showed that students are getting more exited in learning math. Students more understand easily about the material because of the help of animation, video, color and attractive appearance. By using this help of text, audio, and video, students can be able to study more independently, so that teaching materials are suitable for being used as a self-teaching materials that can be used everywhere and students can learn that any time.

Keywords: electronic learning materials, multimedia, macromedia flash 8.0, mathematics

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1 Makalah disampaikan dalam seminar internasional FKIP-UKSW 27 – 28 Juni 2012
2 Dosen S1 PGSD FKIP-UKSW